COMPLETION REPORT
PHASE I
CONTRACT NO. EG-77-S-07-1691

VOLUME G
APPENDIX II
OREGON REACH DATA TABLES CONTINUED

A RESOURCE SURVEY OF LOW-HEAD HYDROELECTRIC POTENTIAL PACIFIC NORTHWEST REGION

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FORWARD

Due to the tremendous volume of information presented in this report, final publication has been split into ten volumes. The first volume (Volume A) contains the main report which describes study methodologies and sample data tables. The remaining nine volumes (Volumes B-J) contain sets of complete data tables for all the streams studied. Page iii of this volume contains a listing of the contents of all of the volumes. A listing of the distribution of the different report volumes is contained on pages 98 and 99 of Volume A.

Those desiring information from or copies of any of the reach sheets should contact the Idaho Water Resources Research Institute or the water research institute in the particular state in which the stream or streams of interest are located. Institute addresses are shown on the distribution list.

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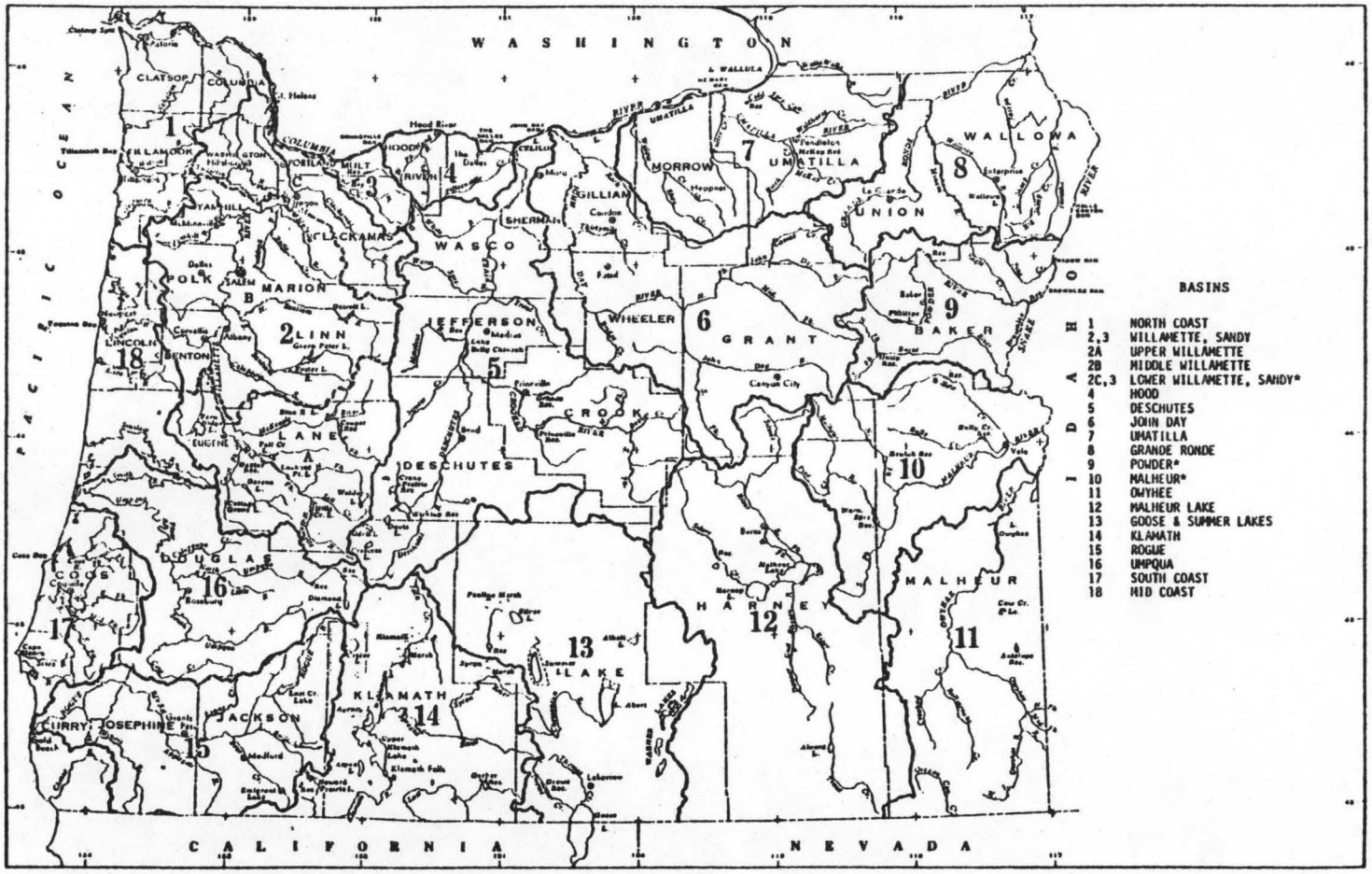
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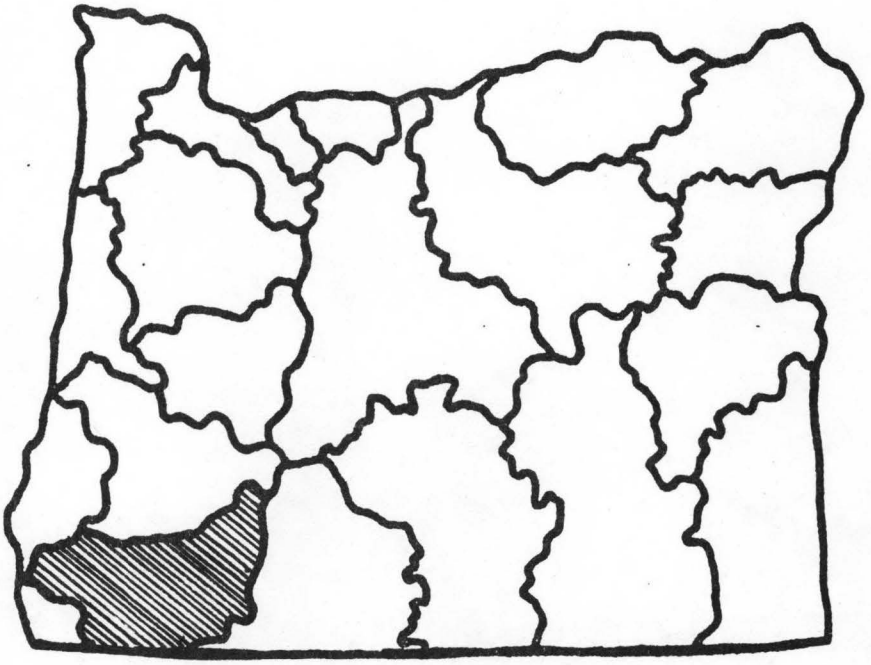
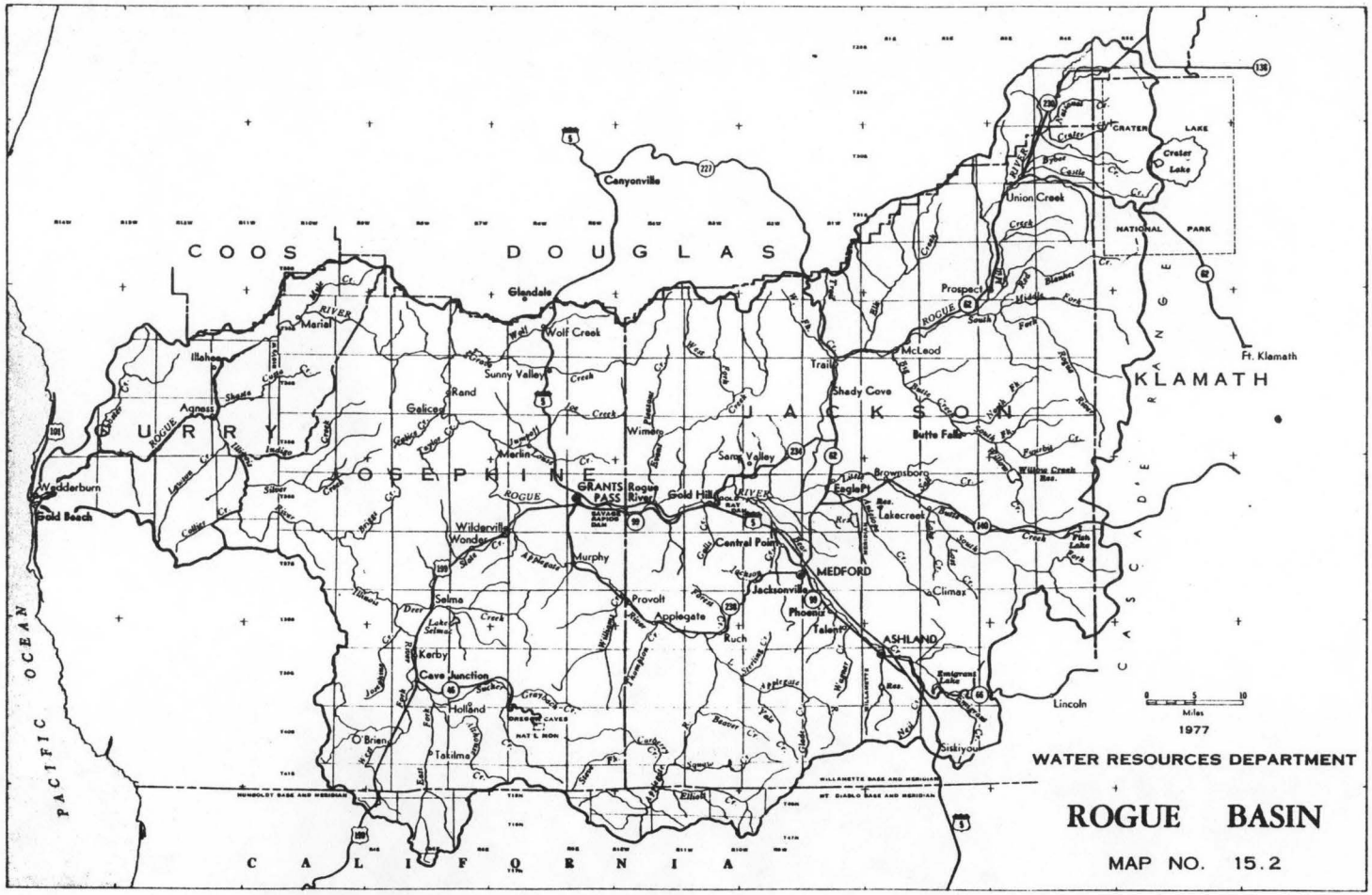
Alsea River & Tribs.	02-635-000-000-000-R0001 thru -050-000-000-R0003	18-54 to 18-81
Yachats River	02-640-000-000-000-R0001 thru R0002	18-82 to 18-83
Tenmile Creek	02-645-000-000-000-R0001 thru R0002	18-84 to 18-85
Big Creek	02-650-000-000-000-R0001 thru R0002	18-86 to 18-87
Siuslaw River & Tribs.	02-655-000-000-000-R0001 thru -062-000-000-R0001	18-88 to 18-133
Siltcoos River & Tribs.	02-660-000-000-000-R0001 thru -025-000-000-R0002	18-134 to 18-138
Tahkenitch Creek	02-665-000-000-000-R0001	18-139



APPENDIX 15

ROGUE BASIN

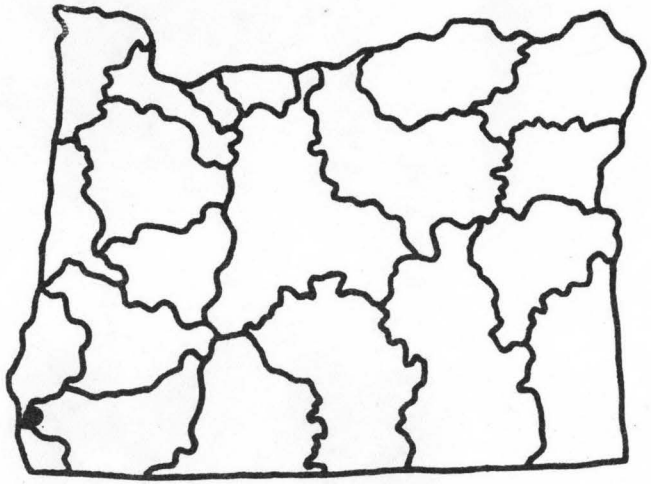

COOS
DOUGLAS
JACKSON
KLAMATH
CURRY
JOSEPHINE
PACIFIC OCEAN
CALIFORNIA
CASCADE RANGE
CRATER LAKE NATIONAL PARK
Crater Lake
Canyonville
Glendale
Wolf Creek
Sunny Valley
Rand
Gelcrest
Agness
Illahee
Marial
Wedderburn
Gold Beach
Wimer
Merlin
GRANTS PASS
Rogue River
Gold Hill
Wilderville
Wonder
Murphy
Selma
Kerby
Cave Junction
Holland
O'Brien
Takilma
Provolt
Applegate
Ruch
Central Point
Jacksonville
MEDFORD
Phoenix
Talent
ASHLAND
Climax
Lakecreek
Eagle Pt.
Butte Falls
Shady Cove
McLeod
Trail
Prospect
Union Creek
Ft. Klamath
Brownsboro
Sams Valley
Siskiyou
Emigrant Lake
Lincoln
ROGUE
APPLEGATE
1977
WATER RESOURCES DEPARTMENT
ROGUE BASIN
MAP NO. 15.2

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 9, T36S, R14W
D.	Latitude, Longitude	42°27'N, 124°20'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 10.8



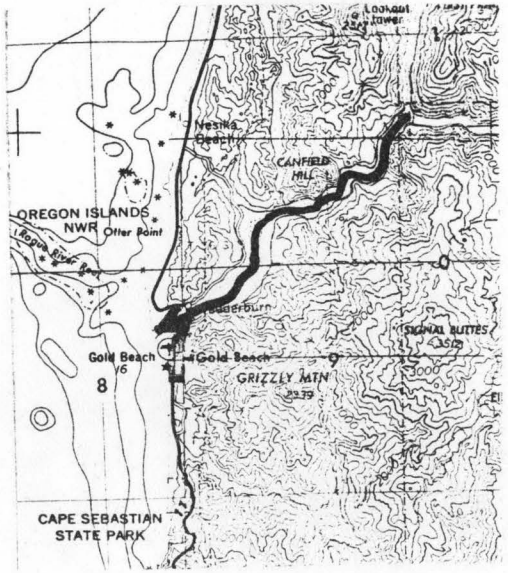
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	20	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	20	Ft.
D.	Average Slope in Reach	1.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	5160	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

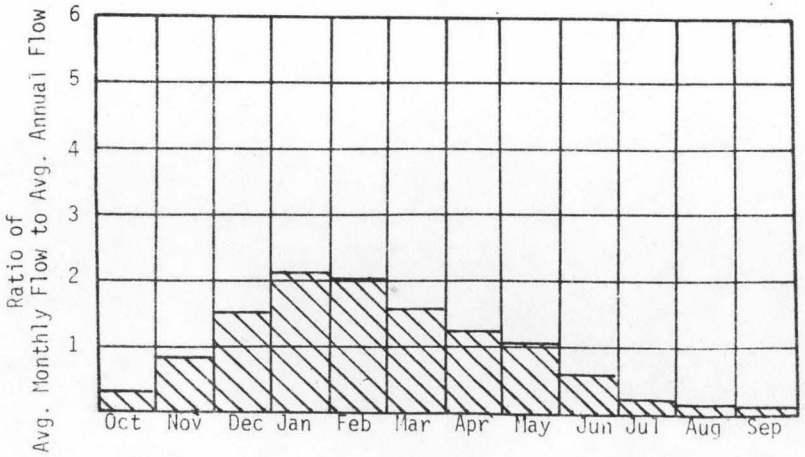
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1724.7	2.92	25.61	1.000
80	2570.8	4.36	36.60	.959
50	6913.0	11.72	78.51	.765
30	11971.7	20.29	108.55	.611
10	22382.6	37.94	139.46	.420

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 11721 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-002-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 8, T35S, R14W
D.	Latitude, Longitude	42°34'N, 124°16'W
E.	Stream Name	Lobster Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 9.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

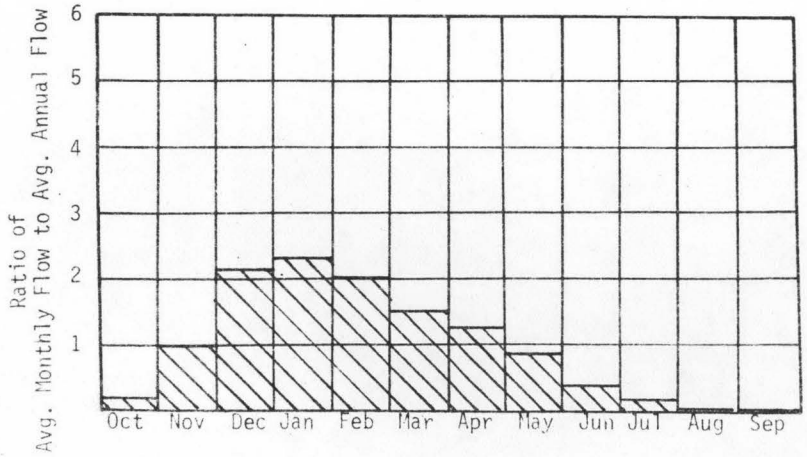
A.	Upstream Elevation of Reach	410	Ft. MSL
B.	Downstream Elevation of Reach	20	Ft. MSL
C.	Total Available Head in Reach	390	Ft.
D.	Average Slope in Reach	40.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	69	Sq.Mi.
F.	Inflow Classification	Natural	

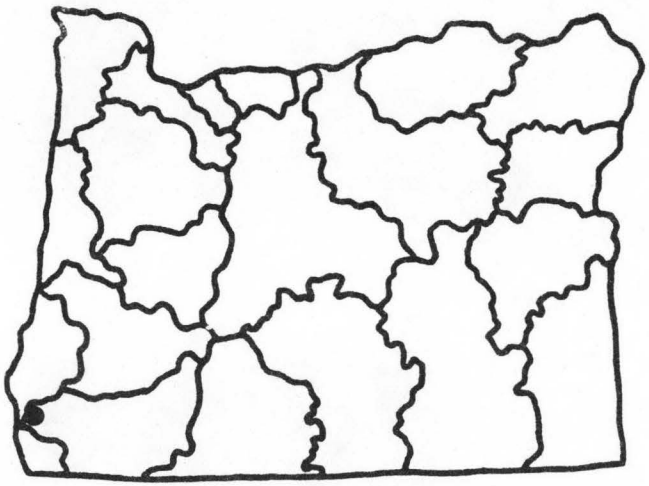
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	22.1	.73	6.39	1.000
80	43.8	1.45	11.89	.938
50	127.6	4.22	27.67	.749
30	253.7	8.38	42.27	.575
10	522.0	17.25	57.80	.382

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 250 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-002-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 11, T34S, R13W
D.	Latitude, Longitude	42°41'N, 124°13'W
E.	Stream Name	North Fork Lobster Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

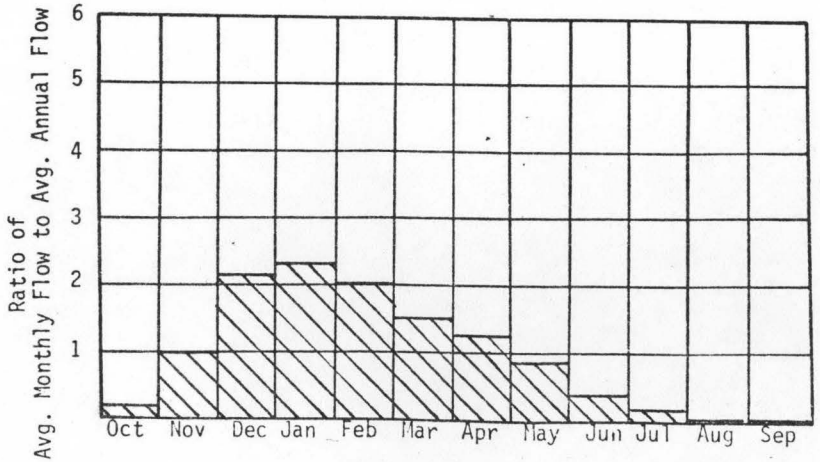
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	16	Sq.Mi.
F.	Inflow Classification	Natural	

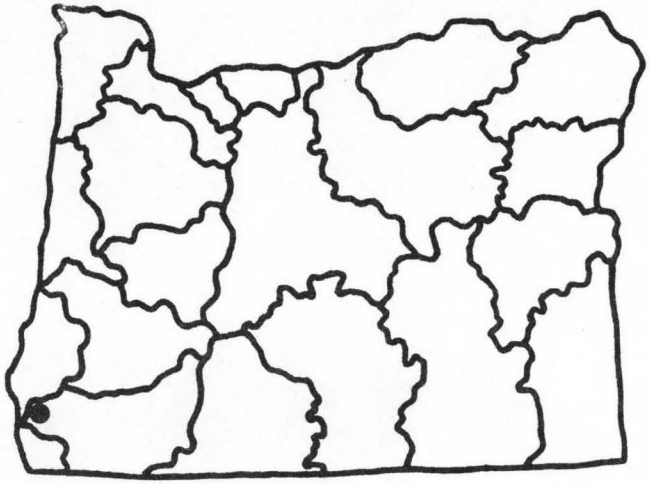
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.6	.03	.27	1.000
80	12.1	.07	.55	.933
50	36.2	.20	1.32	.744
30	75.2	.42	2.09	.566
10	159.6	.89	2.91	.373

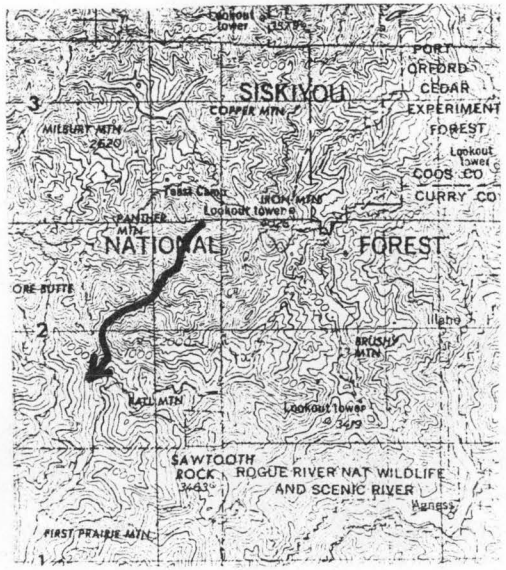
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 74 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-002-010-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 26, T34S, R13W
D.	Latitude, Longitude	42°38'N, 123 °13'W
E.	Stream Name	South Fork Lobster Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 4.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

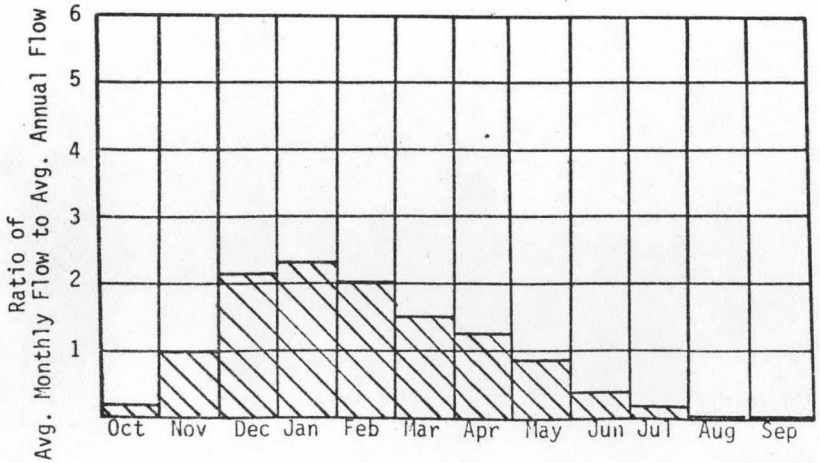
A.	Upstream Elevation of Reach	760	Ft. MSL
B.	Downstream Elevation of Reach	410	Ft. MSL
C.	Total Available Head in Reach	350	Ft.
D.	Average Slope in Reach	77.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	25	Sq.Mi.
F.	Inflow Classification	Natural	

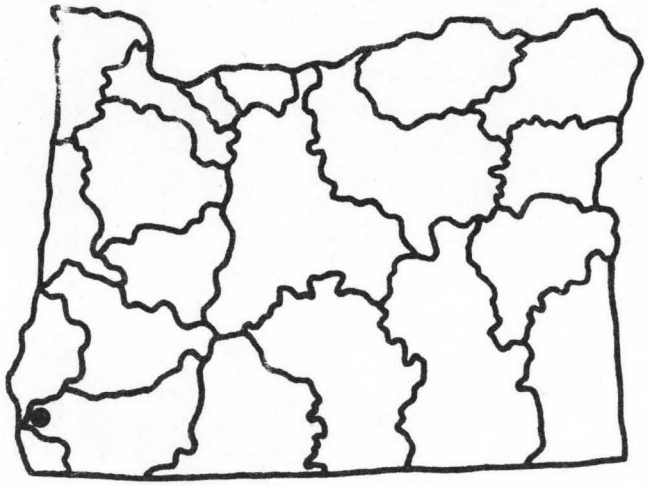
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.1	.24	2.10	1.000
80	17.1	.51	4.16	.934
50	50.9	1.51	9.86	.746
30	104.5	3.10	15.43	.568
10	219.7	6.52	21.42	.375

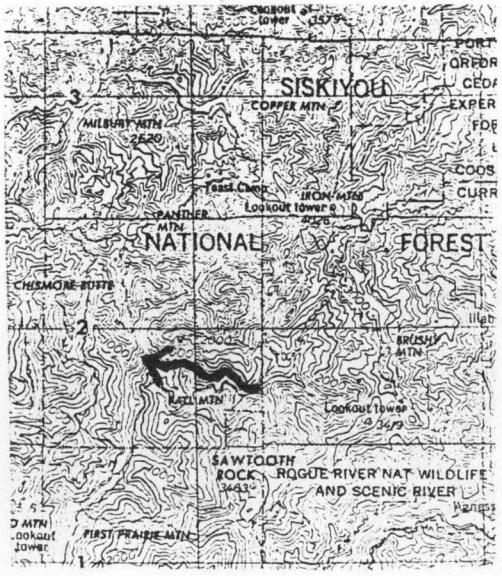
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 102 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-002-010-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 20, T34S, R13W
D.	Latitude, Longitude	42°38'N, 123°13'W
E.	Stream Name	South Fork Lobster Creek
F.	Major Basin Name	Rogue
G.	River Mile	4.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

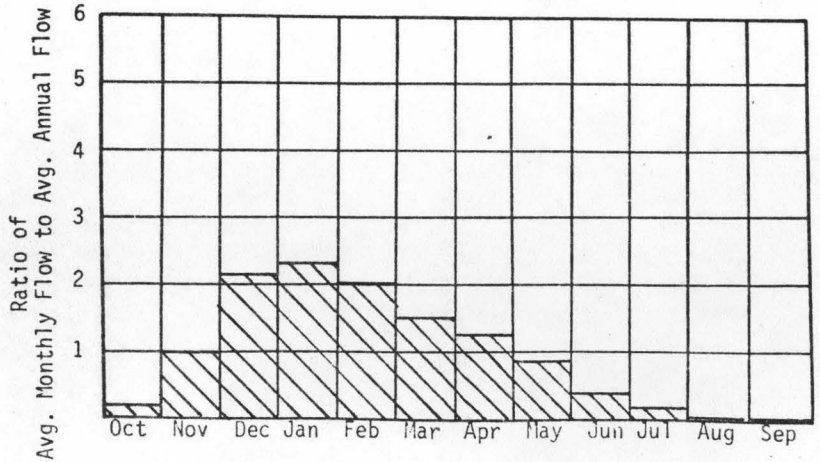
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	19	Sq.Mi.
F.	Inflow Classification	Natural	

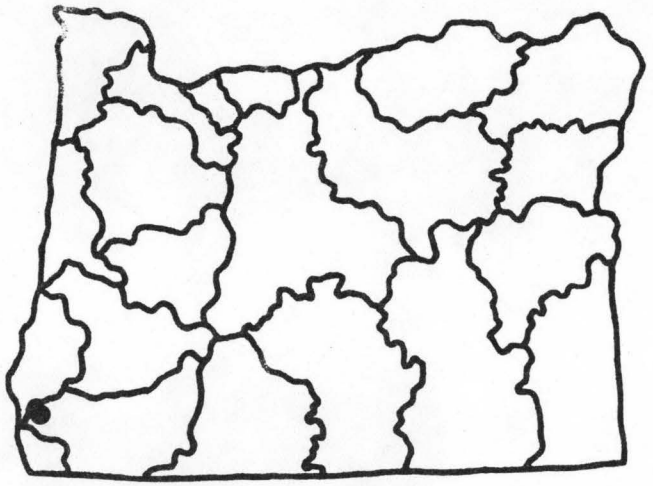
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.0	.04	.34	1.000
80	14.9	.08	.68	.933
50	44.5	.25	1.62	.745
30	91.7	.51	2.55	.567
10	193.6	1.08	3.55	.374

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 90 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	Sec. 32, T35S, R13W	
D. Latitude, Longitude	42°30'N, 124°15'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	10.8 to 13.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

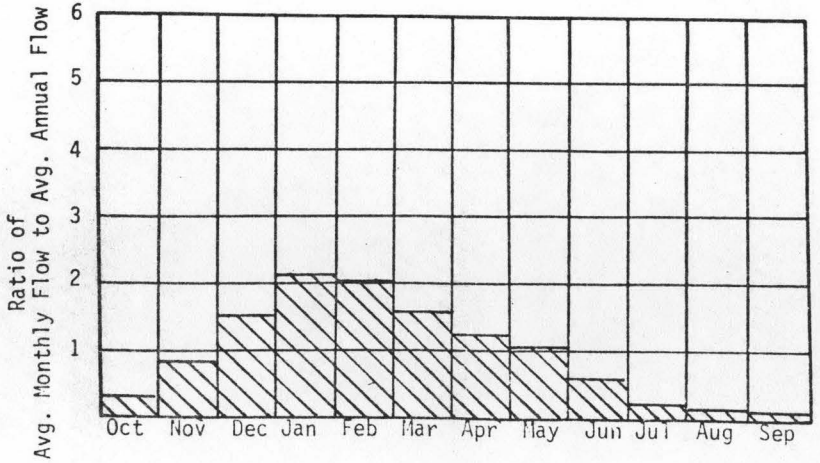
A. Upstream Elevation of Reach	30	Ft. MSL
B. Downstream Elevation of Reach	20	Ft. MSL
C. Total Available Head in Reach	10	Ft.
D. Average Slope in Reach	3.3	Ft./Mi.
E. Drainage Area above Reach Mouth	5048	Sq.Mi.
F. Inflow Classification	Natural	

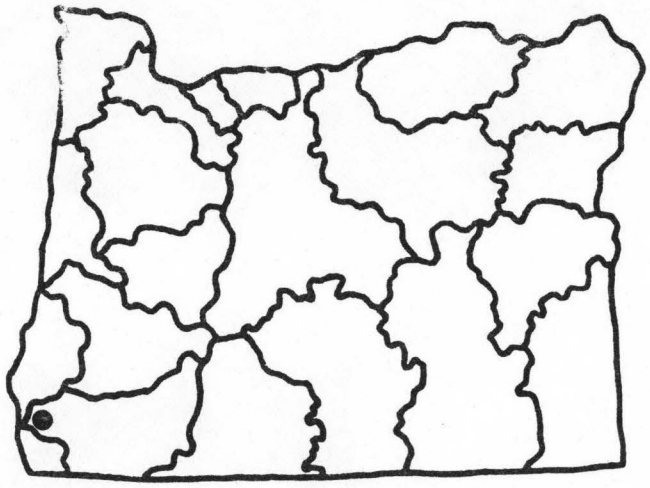
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1656.8	1.40	12.30	1.000
80	2476.2	2.10	17.62	.959
50	6663.6	5.65	37.83	.765
30	11554.4	9.79	52.35	.610
10	21621.5	18.32	67.30	.419

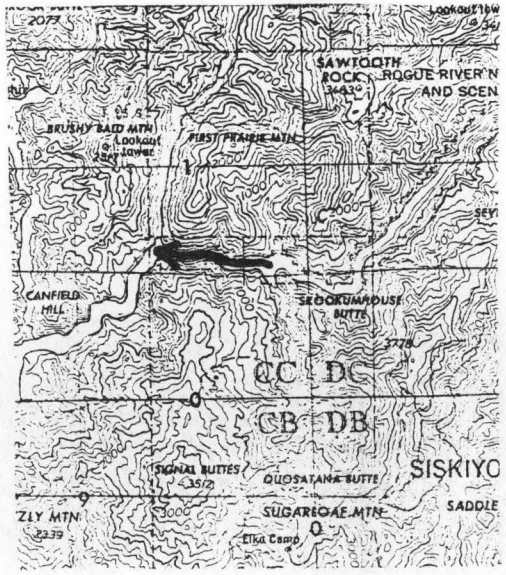
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 11313 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-005-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 22, T36S, R13W
D.	Latitude, Longitude	42°26'N, 124°14'W
E.	Stream Name	Quosatana Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

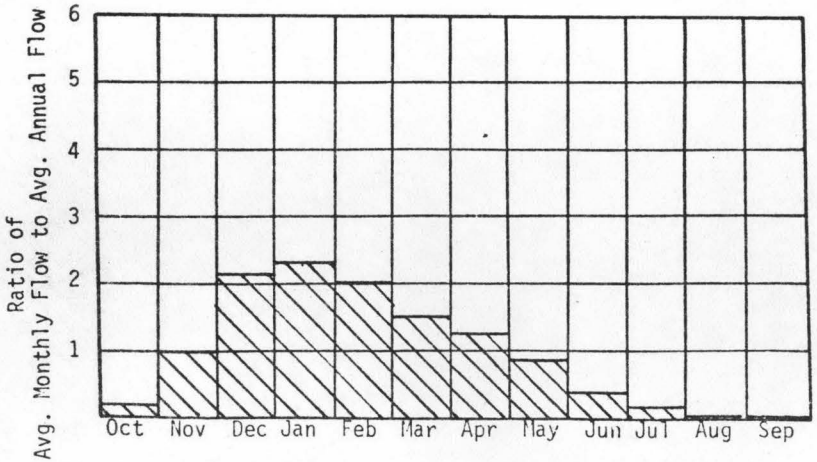
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	23	Sq.Mi.
F.	Inflow Classification	Natural	

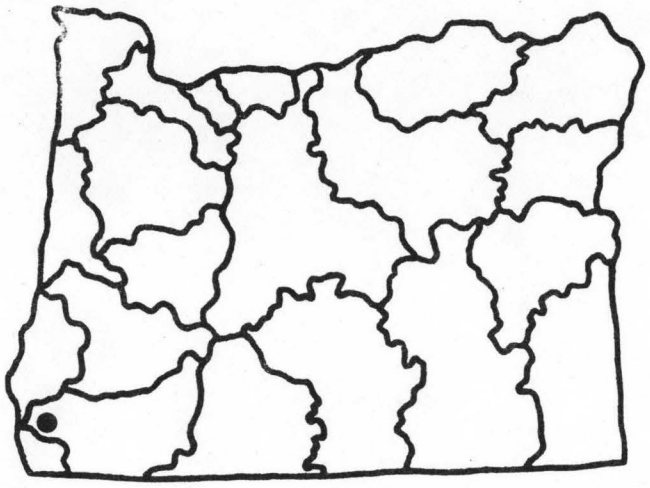
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.2	.04	.35	1.000
80	15.4	.09	.70	.934
50	45.8	.26	1.67	.745
30	94.4	.53	2.63	.568
10	199.1	1.11	3.65	.374

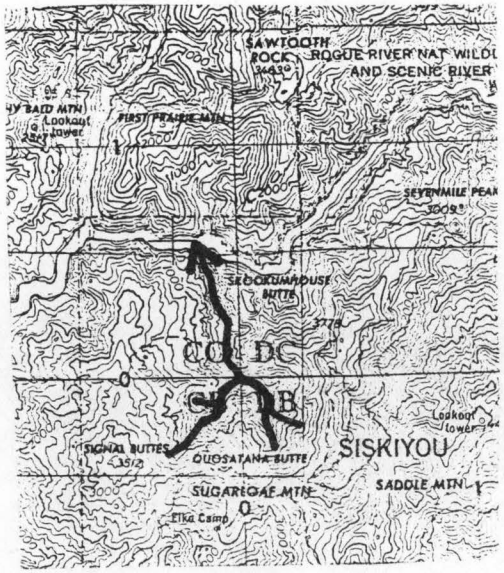
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 93 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 36, T32S, R13W
D.	Latitude, Longitude	42°30'N, 124°11'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	13.8 to 20.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

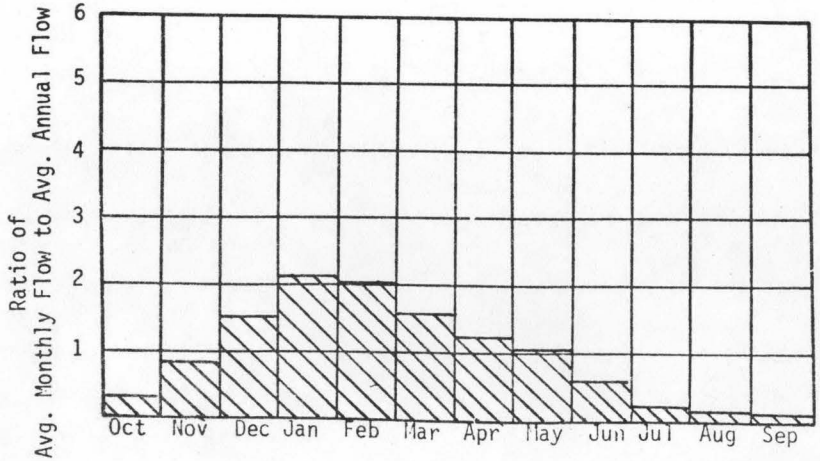
A.	Upstream Elevation of Reach	52	Ft. MSL
B.	Downstream Elevation of Reach	30	Ft. MSL
C.	Total Available Head in Reach	22	Ft.
D.	Average Slope in Reach	3.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	5018	Sq.Mi.
F.	Inflow Classification	Natural	

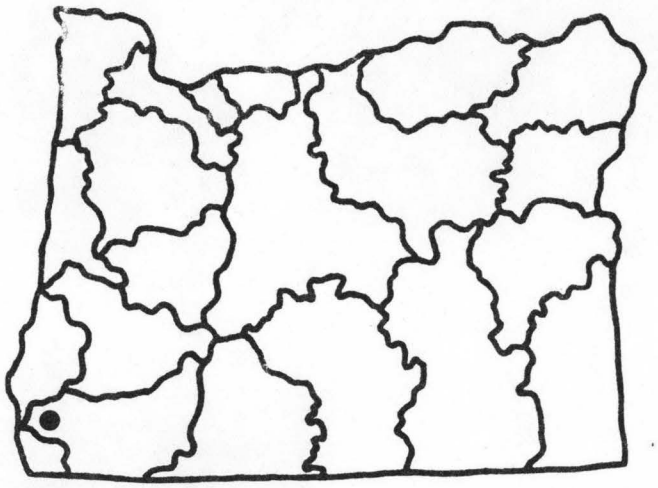
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1626.3	3.03	26.56	1.000
80	2433.6	4.54	38.10	.959
50	6551.1	12.21	81.81	.765
30	11365.9	21.19	113.26	.610
10	21277.4	39.67	145.64	.419

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 11129 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 10, T35S, R12W
D.	Latitude, Longitude	42°34'N, 124°06'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	20.3 to 27.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

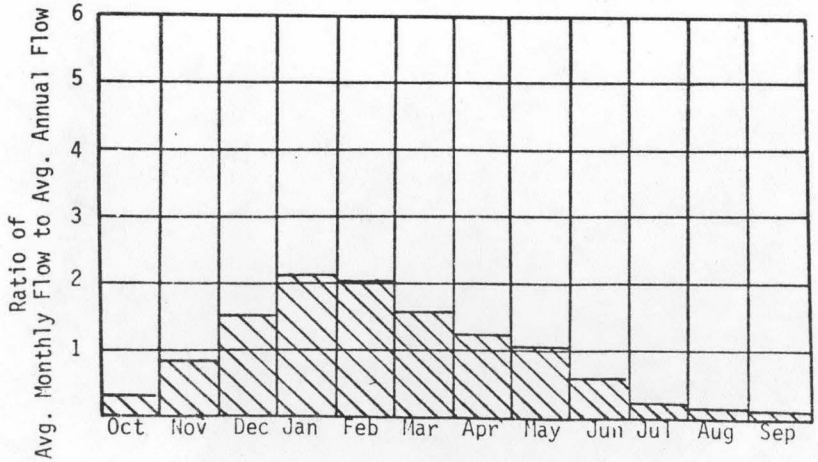
A.	Upstream Elevation of Reach	95	Ft. MSL
B.	Downstream Elevation of Reach	52	Ft. MSL
C.	Total Available Head in Reach	43	Ft.
D.	Average Slope in Reach	6	Ft./Mi.
E.	Drainage Area above Reach Mouth	4984	Sq.Mi.
F.	Inflow Classification	Natural	

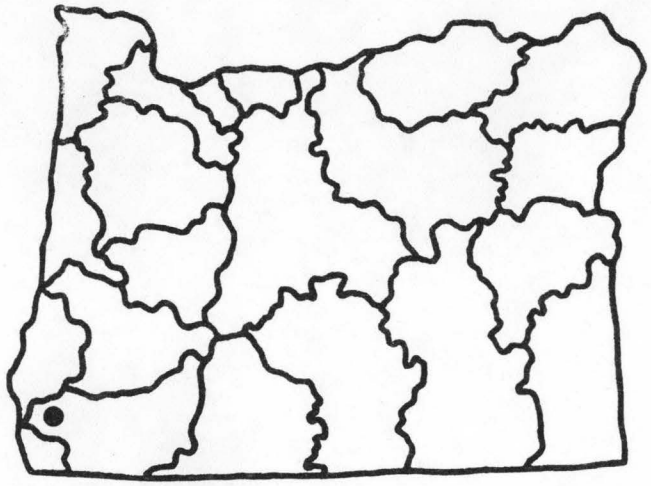
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1603.8	5.84	51.20	1.000
80	2402.1	8.75	73.49	.958
50	6468.0	23.57	157.86	.765
30	11226.8	40.91	218.62	.610
10	21023.5	76.61	281.17	.419

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 10992 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	Sec. 19, T35S, R12W	
D. Latitude, Longitude	42°32'N, 124°03'W	
E. Stream Name	Illinois River	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 3.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

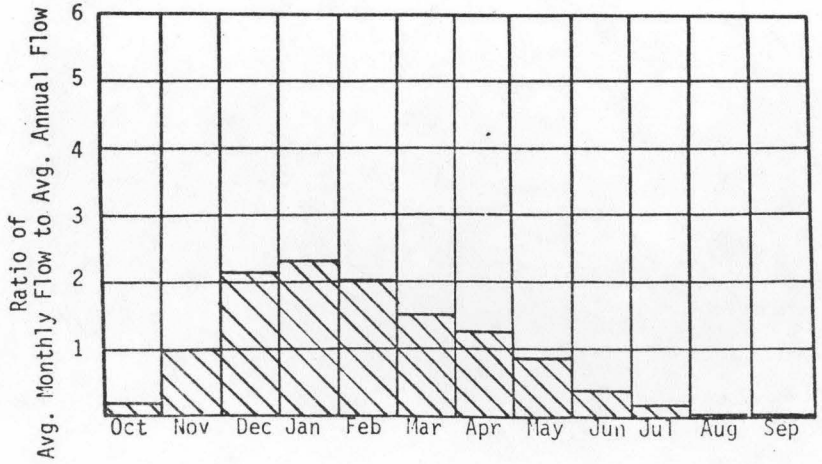
A. Upstream Elevation of Reach	133	Ft. MSL
B. Downstream Elevation of Reach	95	Ft. MSL
C. Total Available Head in Reach	38	Ft.
D. Average Slope in Reach	10.6	Ft./Mi.
E. Drainage Area above Reach Mouth	994	Sq.Mi.
F. Inflow Classification	Natural	

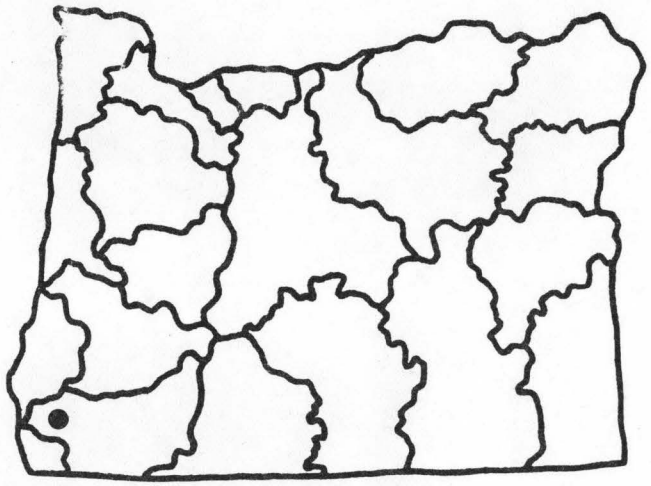
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	419.7	1.35	11.84	1.000
80	686.4	2.21	18.42	.951
50	1894.8	6.10	40.58	.759
30	3431.3	11.05	57.92	.598
10	6617.8	21.31	75.90	.407

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3364 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-015-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	Sec. 31, T35S, R12W	
D. Latitude, Longitude	42°29'N, 124°03'W	
E. Stream Name	Lawson Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 4.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

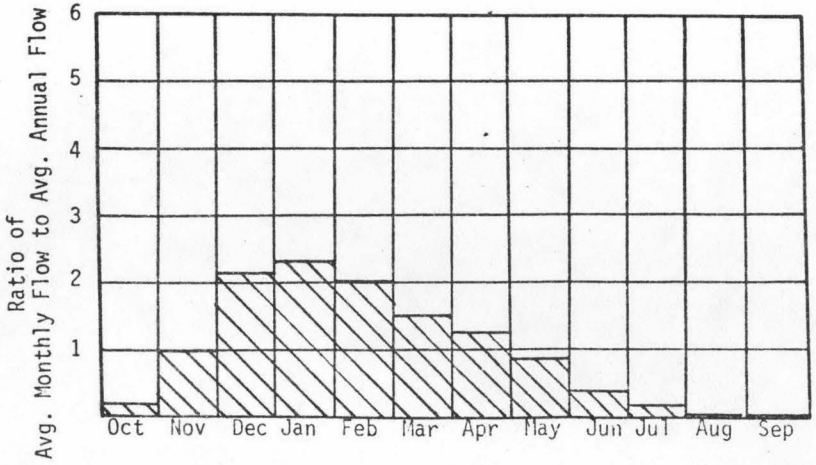
A. Upstream Elevation of Reach	700	Ft. MSL
B. Downstream Elevation of Reach	133	Ft. MSL
C. Total Available Head in Reach	567	Ft.
D. Average Slope in Reach	118.1	Ft./Mi.
E. Drainage Area above Reach Mouth	39	Sq.Mi.
F. Inflow Classification	Natural	

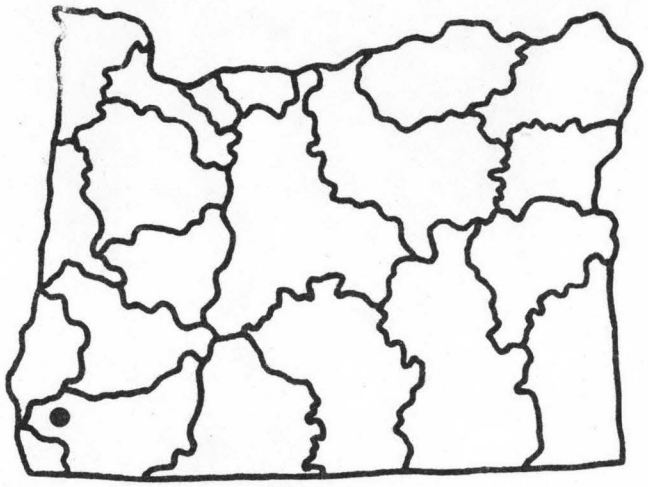
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	13.7	.66	5.78	1.000
80	28.1	1.35	11.07	.936
50	82.6	3.97	26.00	.747
30	166.8	8.01	40.16	.572
10	346.8	16.66	55.31	.379

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 164 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-015-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 15, T36S, R12W
D.	Latitude, Longitude	42°27'N, 124°07'W
E.	Stream Name	Lawson Creek
F.	Major Basin Name	Rogue
G.	River Mile	4.8 to 9.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

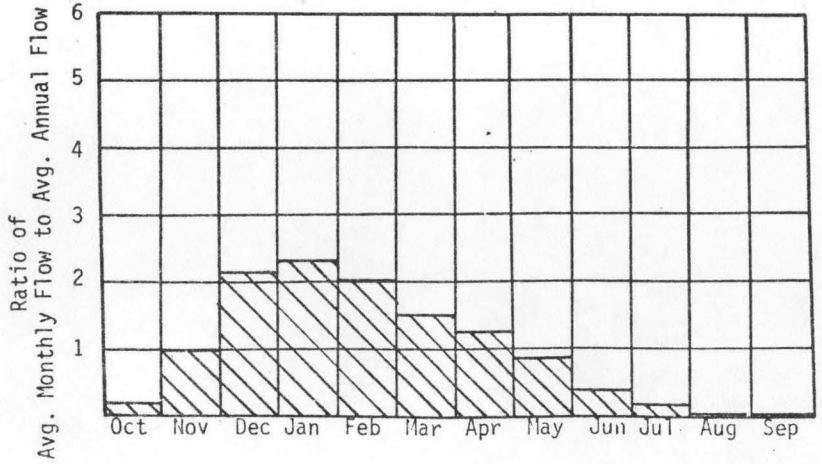
A.	Upstream Elevation of Reach	1560	Ft. MSL
B.	Downstream Elevation of Reach	700	Ft. MSL
C.	Total Available Head in Reach	860	Ft.
D.	Average Slope in Reach	183	Ft./Mi.
E.	Drainage Area above Reach Mouth	30	Sq.Mi.
F.	Inflow Classification	Natural	

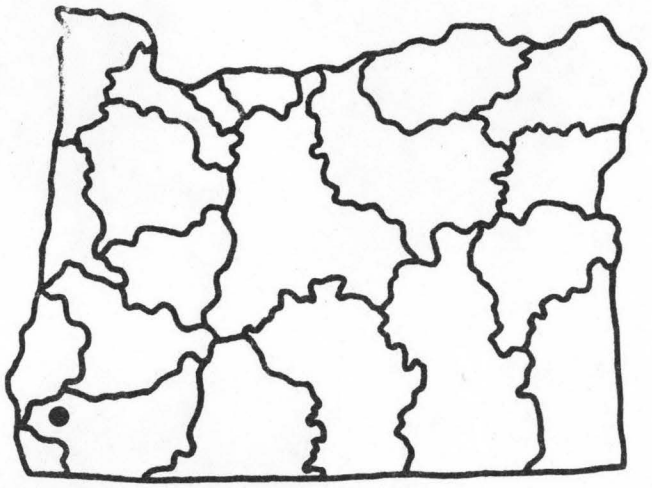
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.9	.65	5.66	1.000
80	18.7	1.36	11.15	.934
50	55.4	4.04	26.40	.746
30	113.4	8.27	41.21	.569
10	238.1	17.35	57.13	.376

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-015-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 5, T37S, R12W
D.	Latitude, Longitude	42°23'N, 124°08'W
E.	Stream Name	Lawson Creek
F.	Major Basin Name	Rogue
G.	River Mile	9.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

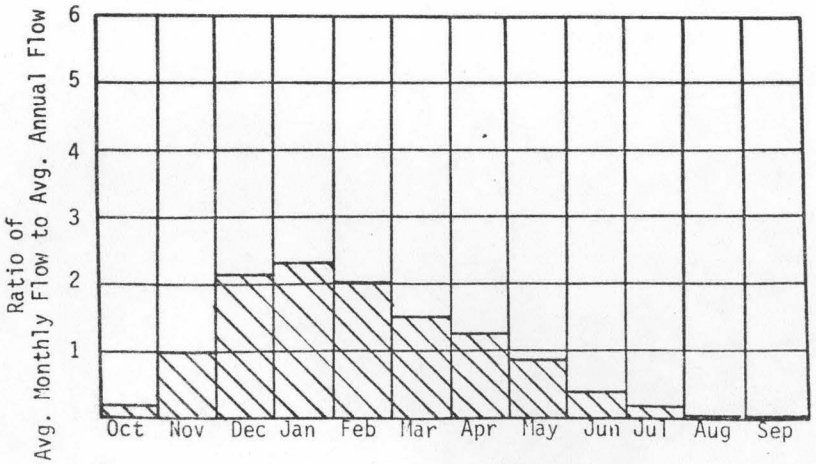
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	17	Sq.Mi.
F.	Inflow Classification	Natural	

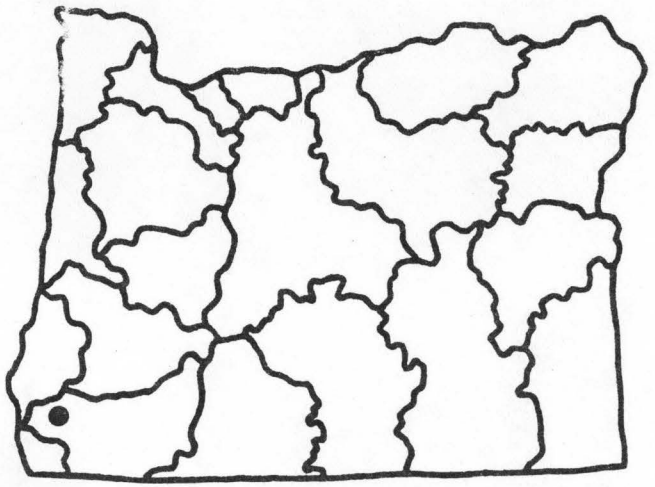
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.0	.03	.29	1.000
80	12.9	.07	.59	.933
50	38.5	.22	1.40	.745
30	79.8	.45	2.21	.566
10	168.9	.94	3.09	.373

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 79 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 32, T35S, R11W
D.	Latitude, Longitude	42°29'N, 124°02'W
E.	Stream Name	Illinois River
F.	Major Basin Name	Rogue
G.	River Mile	3.6 to 6.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

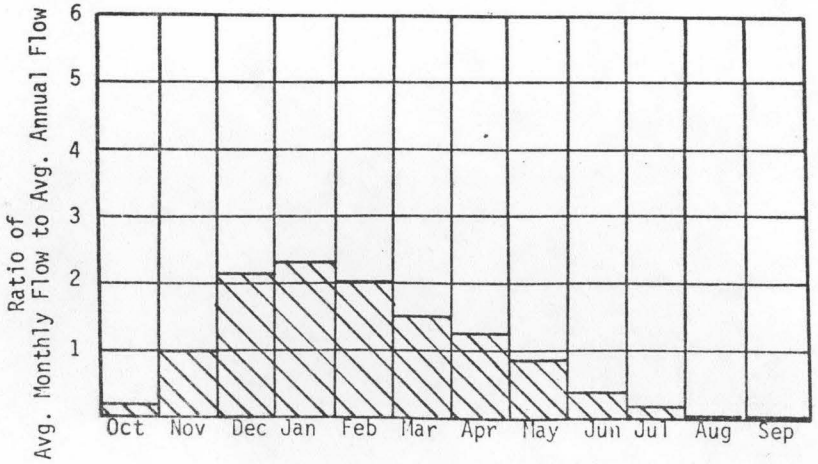
A.	Upstream Elevation of Reach	163	Ft. MSL
B.	Downstream Elevation of Reach	133	Ft. MSL
C.	Total Available Head in Reach	30	Ft.
D.	Average Slope in Reach	10	Ft./Mi.
E.	Drainage Area above Reach Mouth	946	Sq.Mi.
F.	Inflow Classification	Natural	

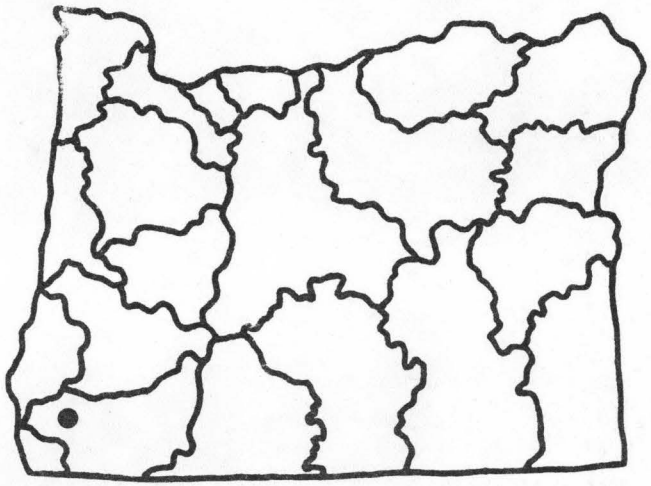
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	386.5	.98	8.61	1.000
80	635.7	1.62	13.46	.951
50	1757.4	4.47	29.70	.759
30	3190.8	8.11	42.47	.598
10	6165.0	15.67	55.72	.406

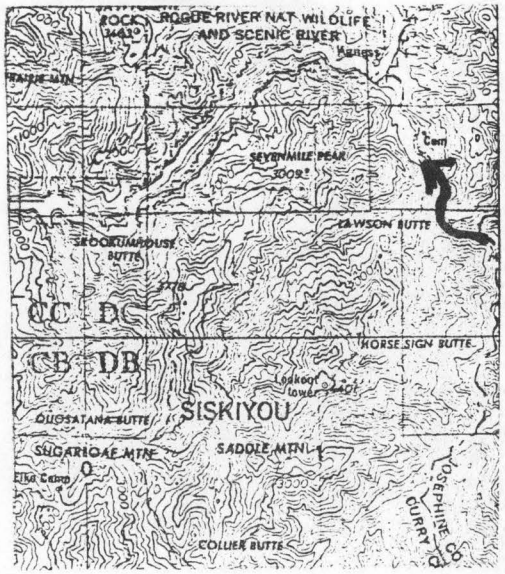
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3128 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-020-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Curry/Josephine	
C. Township, Range	Sec. 28, T35S, R11W	
D. Latitude, Longitude	42°29'N, 123°57'W	
E. Stream Name	Indigo Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 8.1	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

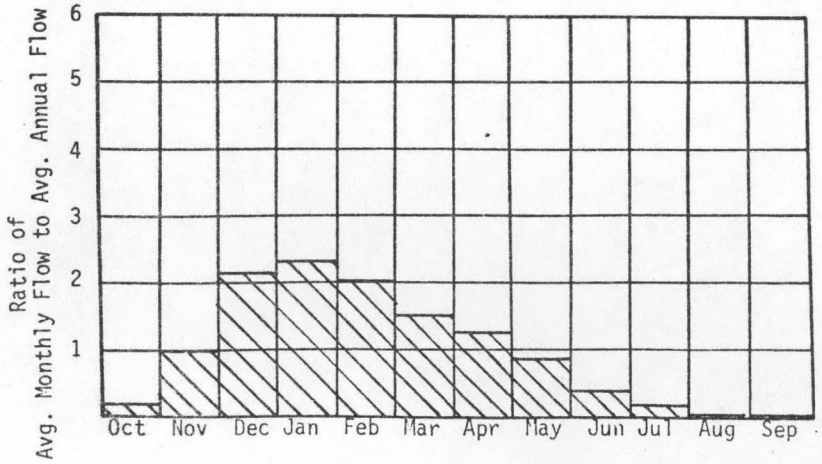
A. Upstream Elevation of Reach	920	Ft. MSL
B. Downstream Elevation of Reach	163	Ft. MSL
C. Total Available Head in Reach	757	Ft.
D. Average Slope in Reach	93.5	Ft./Mi.
E. Drainage Area above Reach Mouth	80	Sq.Mi.
F. Inflow Classification	Natural	

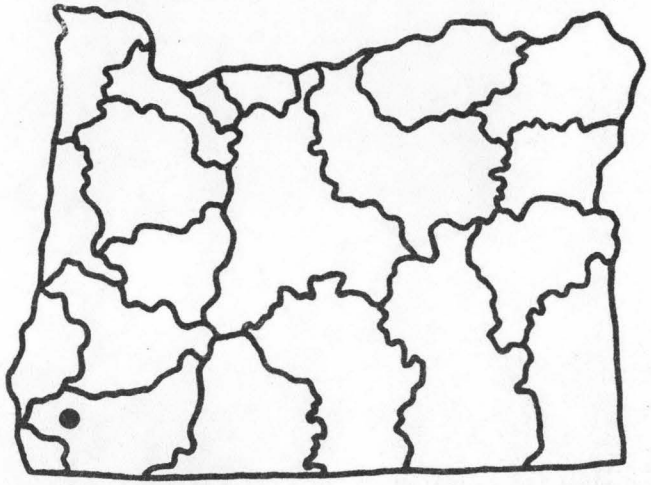
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	30.0	1.93	16.86	1.000
80	58.4	3.74	30.81	.939
50	169.2	10.86	71.30	.750
30	333.1	21.37	108.14	.578
10	680.8	43.67	147.22	.385

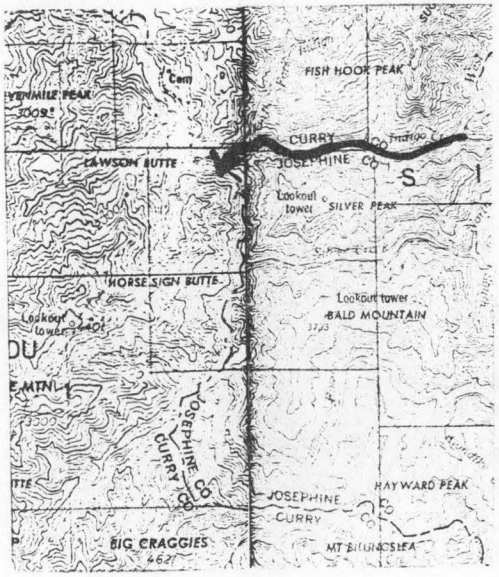
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 328 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-020-005-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry/Josephine
C.	Township, Range	Sec. 10, T35S, R10W
D.	Latitude, Longitude	42°33'N, 123°52'W
E.	Stream Name	West Fork Indigo Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 4.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

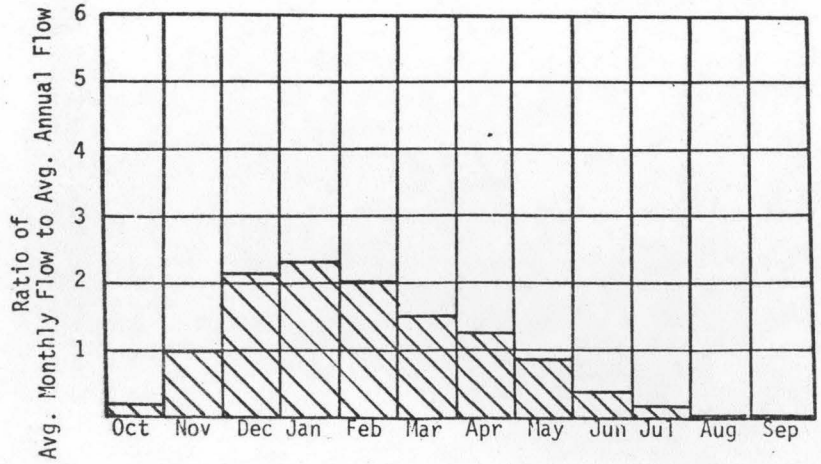
A.	Upstream Elevation of Reach	1710	Ft. MSL
B.	Downstream Elevation of Reach	920	Ft. MSL
C.	Total Available Head in Reach	790	Ft.
D.	Average Slope in Reach	188.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	28	Sq.Mi.
F.	Inflow Classification	Natural	

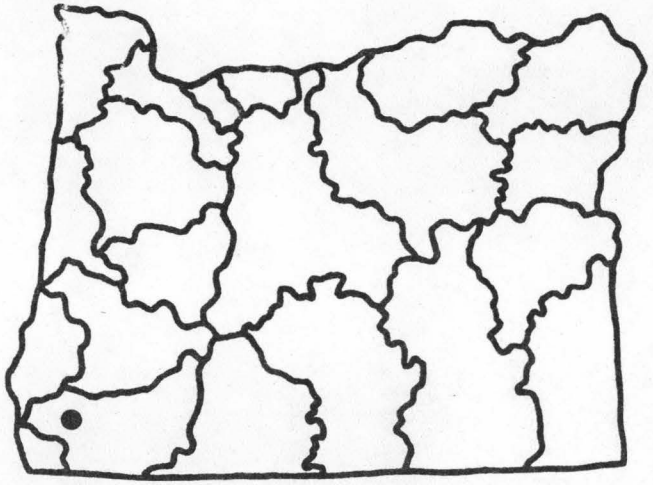
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.4	.57	4.95	1.000
80	17.9	1.20	9.78	.934
50	53.0	3.55	23.17	.746
30	108.5	7.27	36.21	.569
10	228.1	15.27	50.23	.375

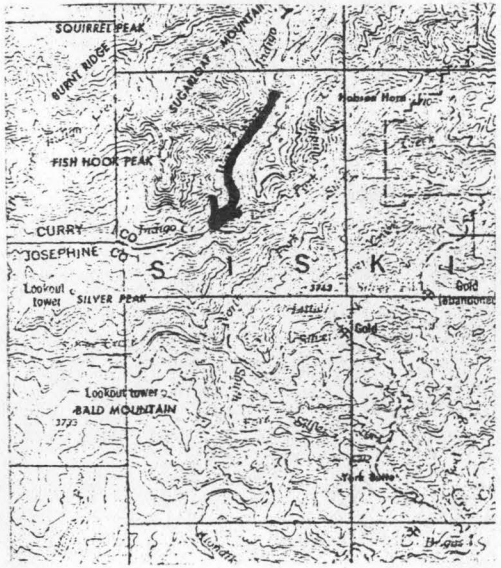
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 106 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-020-005-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry/Josephine
C.	Township, Range	Sec. 24, T34S, R10W
D.	Latitude, Longitude	42°35'N, 123° 49'W
E.	Stream Name	West Fork Indigo Creek
F.	Major Basin Name	Rogue
G.	River Mile	4.2 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

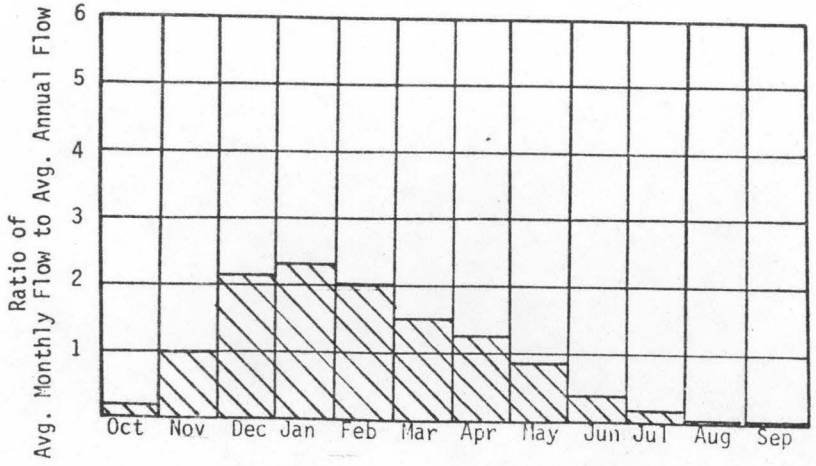
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

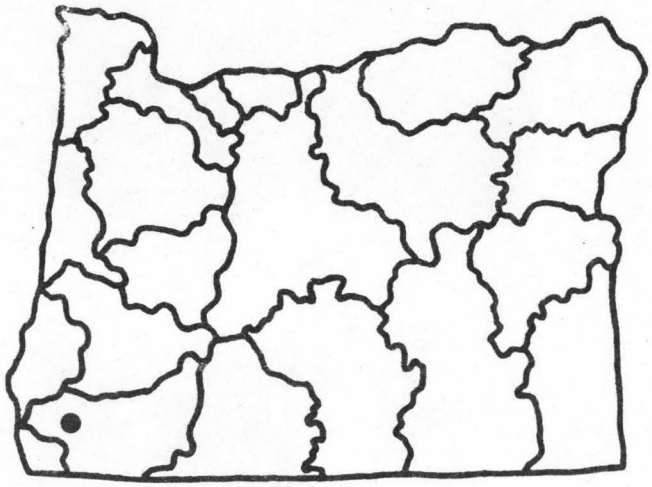
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.5	.03	.27	1.000
80	12.0	.07	.55	.932
50	35.8	.20	1.31	.744
30	74.3	.42	2.06	.566
10	157.7	.88	2.88	.372

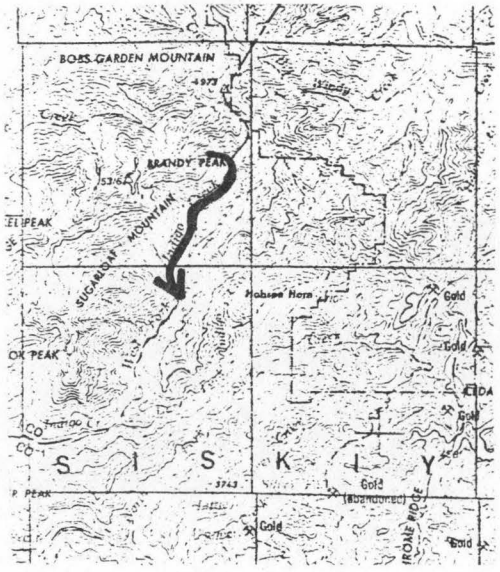
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW - 73 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-020-010-R0001

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 23, T35S. R10W	
D. Latitude, Longitude	42°31'N, 123°50'W	
E. Stream Name	East Fork Indigo Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 5.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

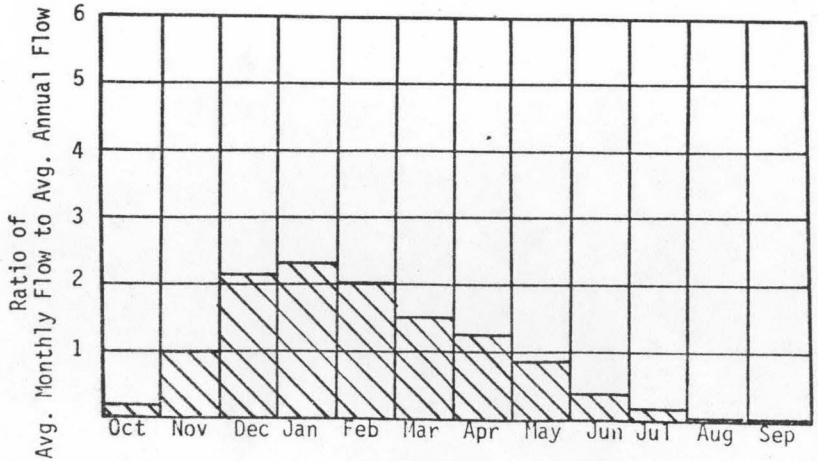
A. Upstream Elevation of Reach	1880	Ft. MSL
B. Downstream Elevation of Reach	920	Ft. MSL
C. Total Available Head in Reach	960	Ft.
D. Average Slope in Reach	174.5	Ft./Mi.
E. Drainage Area above Reach Mouth	22	Sq.Mi.
F. Inflow Classification	Natural	

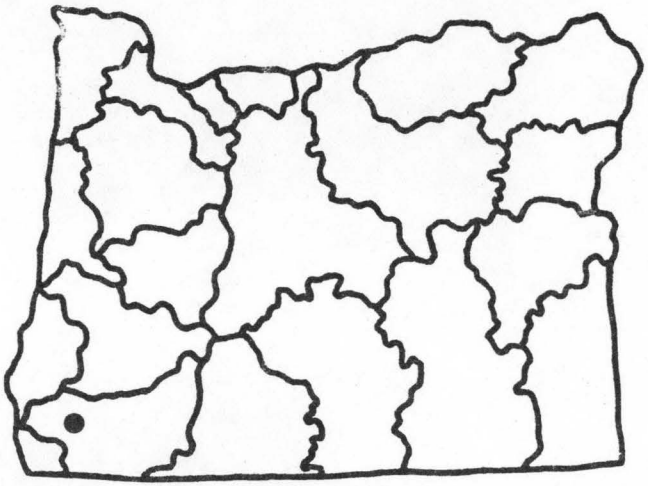
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.0	.57	5.00	1.000
80	15.0	1.22	9.98	.933
50	44.7	3.64	23.73	.745
30	92.1	7.49	37.25	.567
10	194.4	15.81	51.83	.374

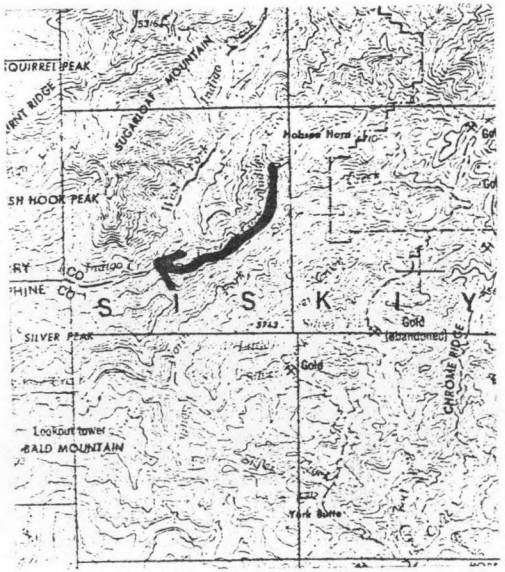
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 91 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-020-010-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 31, T34S, R9W
D.	Latitude, Longitude	42°34'N, 123°48'W
E.	Stream Name	East Fork Indigo Creek
F.	Major Basin Name	Rogue
G.	River Mile	5.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

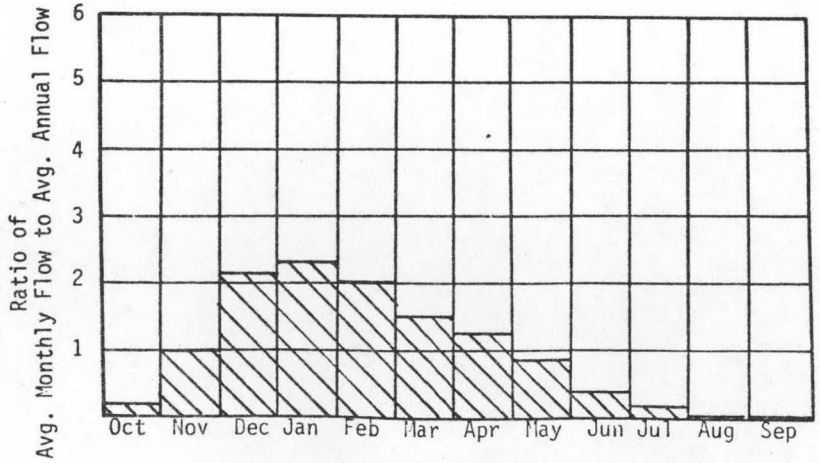
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	16	Sq.Mi.
F.	Inflow Classification	Natural	

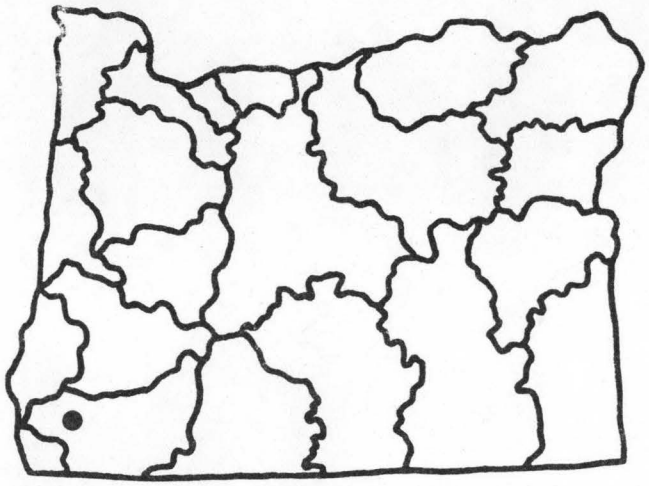
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.2	.03	.31	1.000
80	13.5	.08	.62	.933
50	40.2	.22	1.47	.745
30	83.1	.46	2.31	.567
10	175.8	.98	3.22	.373

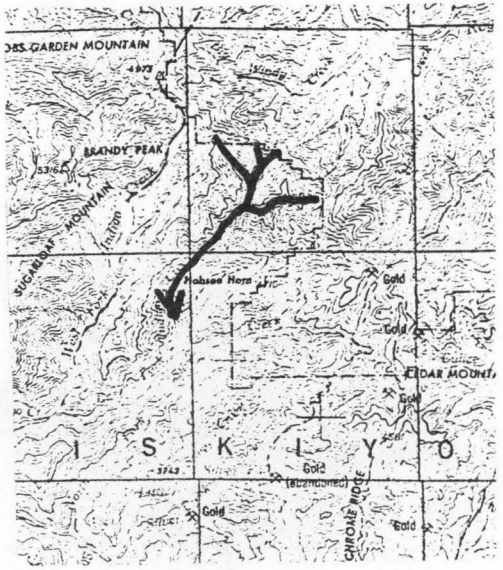
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 82 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 9, T36S, R11W	
D. Latitude, Longitude	42°28'N, 124°00'W	
E. Stream Name	Illinois River	
F. Major Basin Name	Rogue	
G. River Mile	6.6 to 9.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

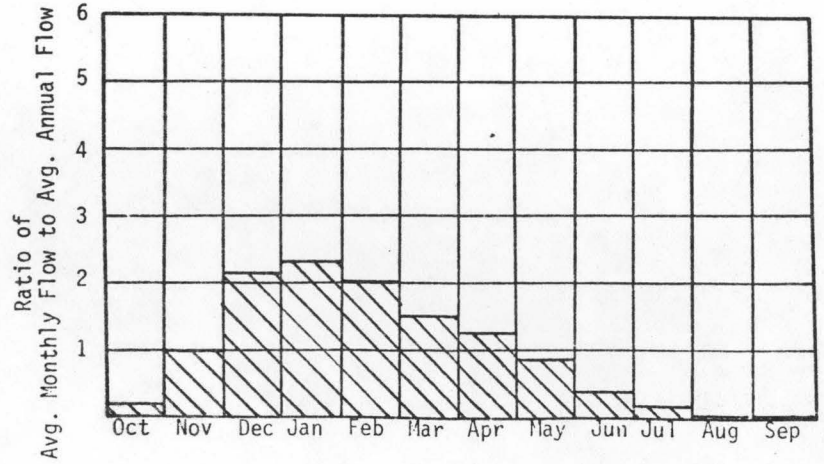
A. Upstream Elevation of Reach	204	Ft. MSL
B. Downstream Elevation of Reach	163	Ft. MSL
C. Total Available Head in Reach	41	Ft.
D. Average Slope in Reach	14.1	Ft./Mi.
E. Drainage Area above Reach Mouth	854	Sq.Mi.
F. Inflow Classification	Natural	

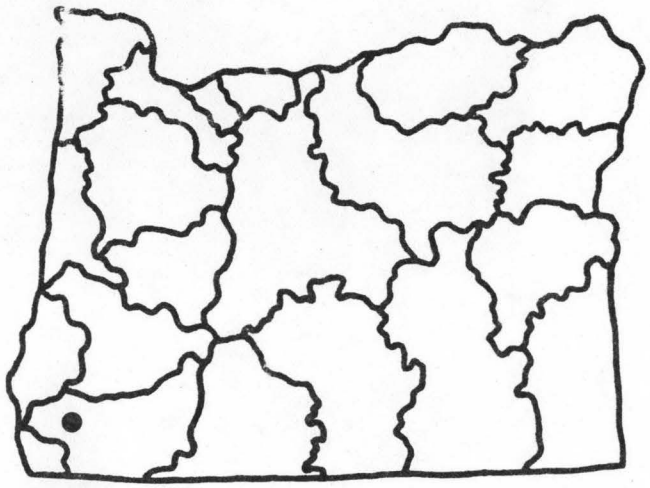
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	324.9	1.13	9.89	1.000
80	540.4	1.88	15.63	.950
50	1498.8	5.21	34.59	.758
30	2736.2	9.51	49.65	.596
10	5306.9	18.44	65.30	.404

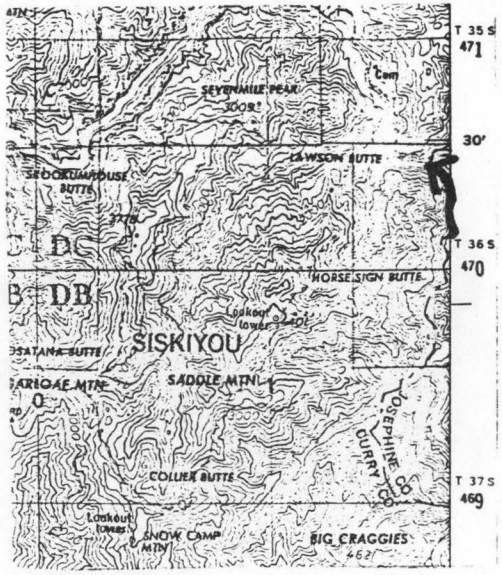
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2683 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-040-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 13, T36S, R11W
D.	Latitude, Longitude	42°27'N, 123°56'W
E.	Stream Name	Silver Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 7.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

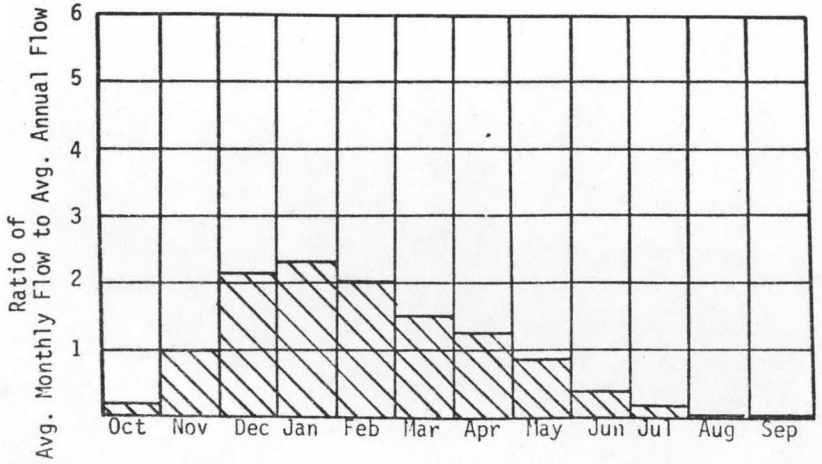
A.	Upstream Elevation of Reach	840	Ft. MSL
B.	Downstream Elevation of Reach	204	Ft. MSL
C.	Total Available Head in Reach	636	Ft.
D.	Average Slope in Reach	90.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	80	Sq.Mi.
F.	Inflow Classification	Natural	

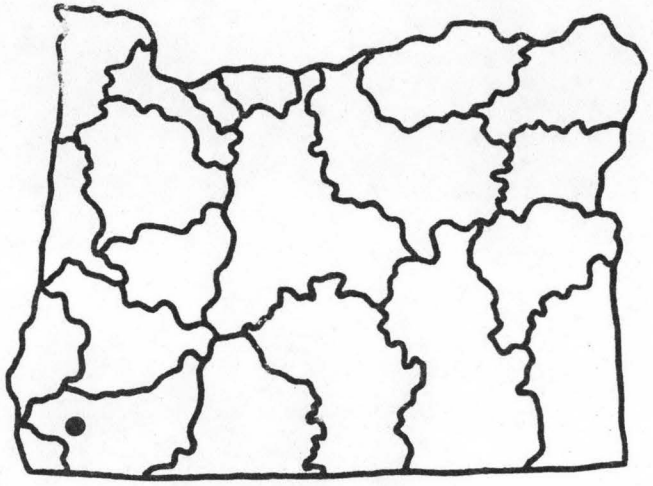
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	31.9	1.72	15.07	1.000
80	61.8	3.33	27.43	.940
50	179.1	9.65	63.41	.750
30	351.8	18.96	96.03	.578
10	718.0	38.70	130.61	.385

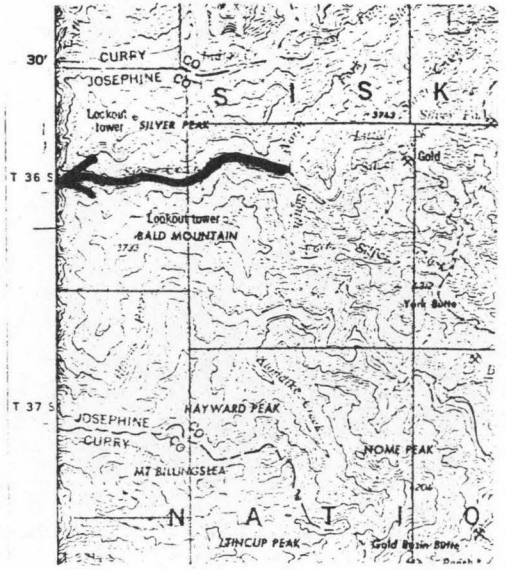
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 346 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-040-005-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 17, T35S, R9W
D.	Latitude, Longitude	42°31'N, 123°47'W
E.	Stream Name	North Fork Silver Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

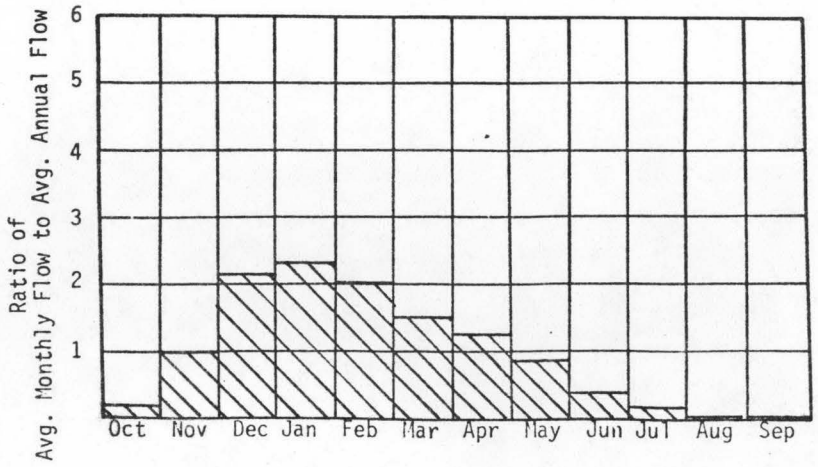
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	—	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	23	Sq.Mi.
F.	Inflow Classification	Natural	

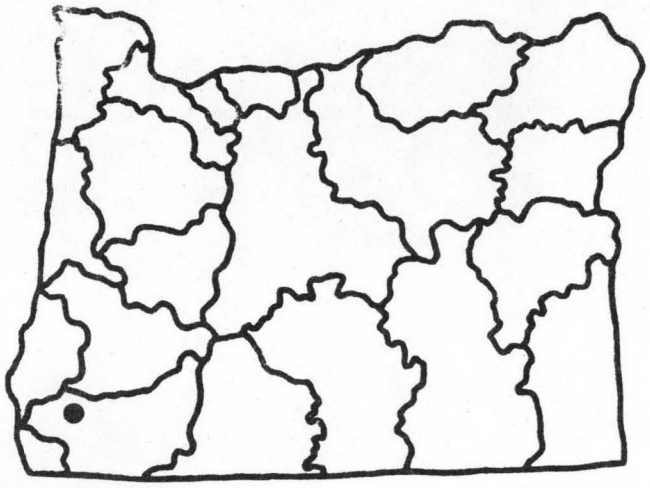
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.3	.05	.45	1.000
80	19.5	.11	.89	.934
50	57.8	.32	2.11	.746
30	118.1	.66	3.29	.569
10	247.6	1.39	4.56	.376

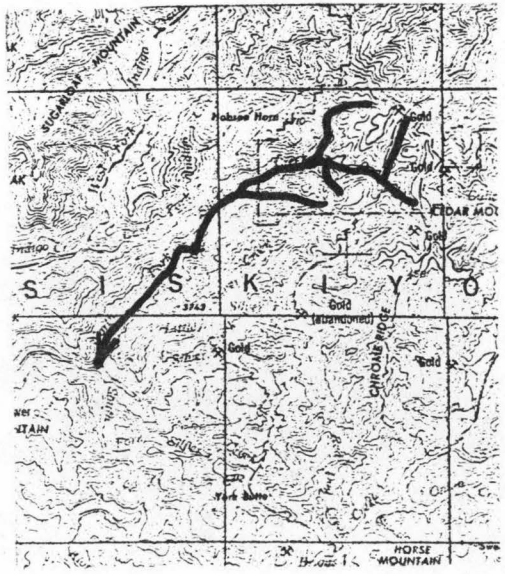
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 116 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-040-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 15, T36S, R10W
D.	Latitude, Longitude	42°27'N, 123°51'W
E.	Stream Name	Silver Creek
F.	Major Basin Name	Rogue
G.	River Mile	7.0 to 10.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

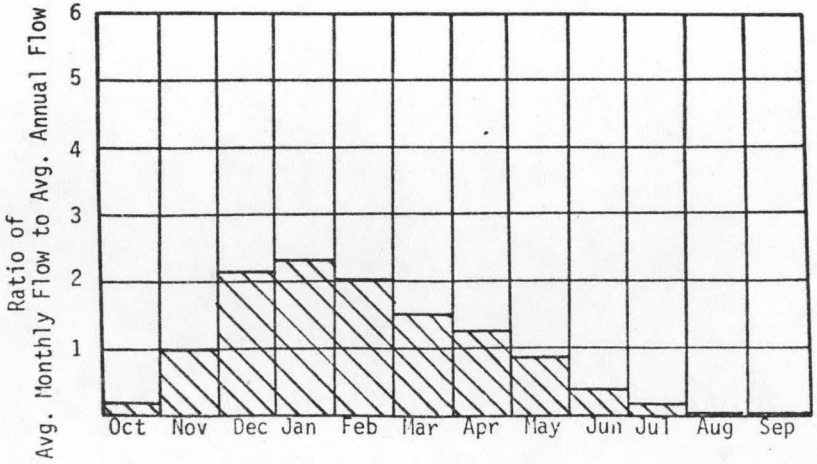
A.	Upstream Elevation of Reach	1240	Ft. MSL
B.	Downstream Elevation of Reach	840	Ft. MSL
C.	Total Available Head in Reach	400	Ft.
D.	Average Slope in Reach	102.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	41	Sq.Mi.
F.	Inflow Classification	Natural	

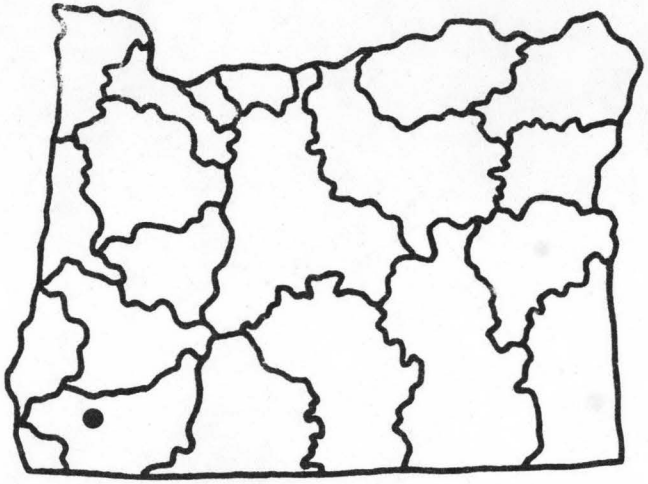
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.8	.40	3.50	1.000
80	24.4	.83	6.77	.935
50	71.9	2.44	15.95	.747
30	145.8	4.94	24.73	.571
10	304.2	10.31	34.14	.378

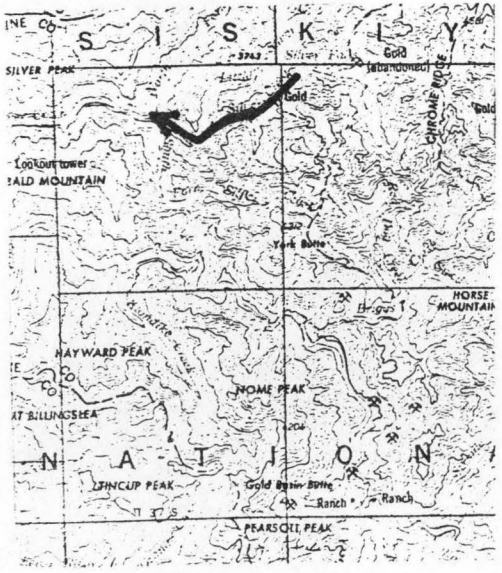
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 144 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-040-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 33, T35S, R9W
D.	Latitude, Longitude	42°29'N, 123°46'W
E.	Stream Name	Silver Creek
F.	Major Basin Name	Rogue
G.	River Mile	10.9 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

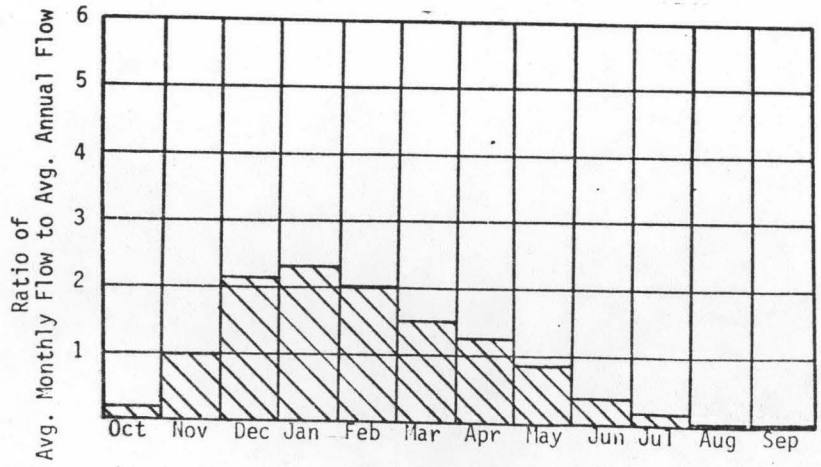
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	21	Sq.Mi.
F.	Inflow Classification	Natural	

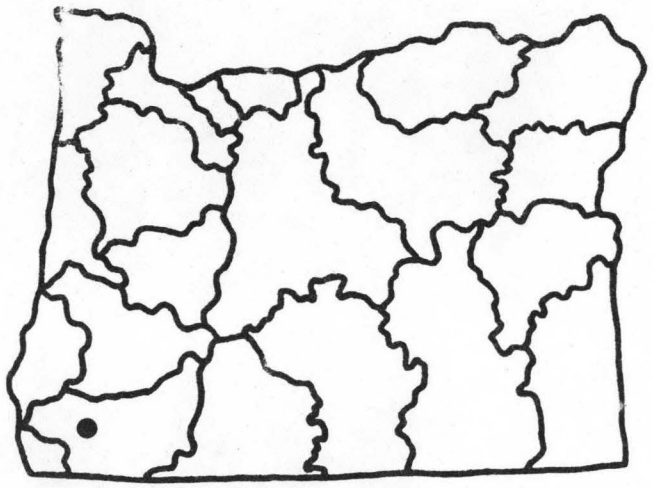
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.6	.04	.37	1.000
80	16.1	.09	.74	.934
50	47.9	.27	1.75	.745
30	98.5	.55	2.74	.568
10	207.4	1.16	3.81	.375

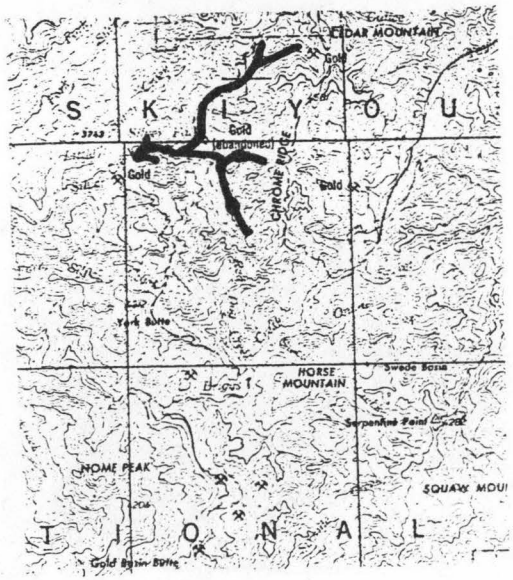
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 97 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Curry/Josephine
C.	Township, Range	Sec. 29, T36S, R11W
D.	Latitude, Longitude	42°26'N, 124°00'W
E.	Stream Name	Illinois River
F.	Major Basin Name	Rogue
G.	River Mile	9.5 to 13.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

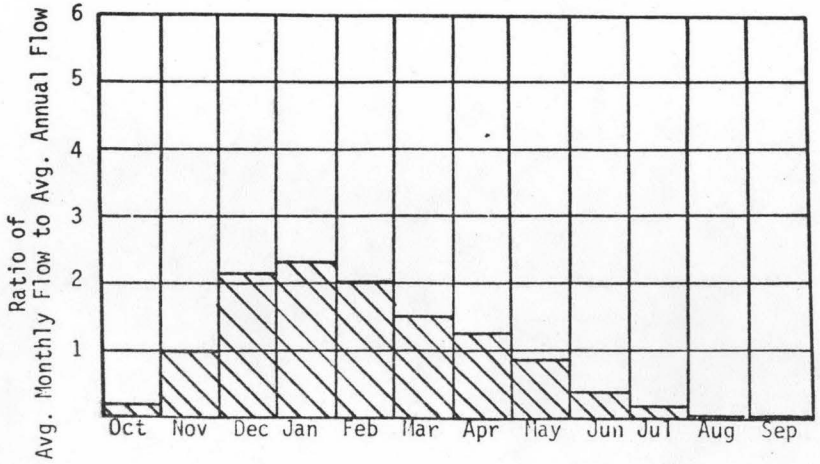
A.	Upstream Elevation of Reach	277	Ft. MSL
B.	Downstream Elevation of Reach	204	Ft. MSL
C.	Total Available Head in Reach	72	Ft.
D.	Average Slope in Reach	19	Ft./Mi.
E.	Drainage Area above Reach Mouth	770	Sq.Mi.
F.	Inflow Classification	Natural	

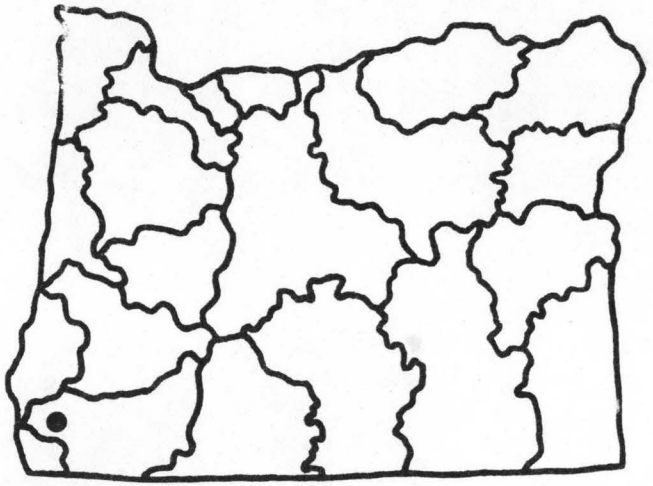
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	267.7	1.63	14.31	1.000
80	451.0	2.75	22.88	.949
50	1255.2	7.66	50.82	.757
30	2305.7	14.07	73.28	.595
10	4491.0	27.40	96.64	.403

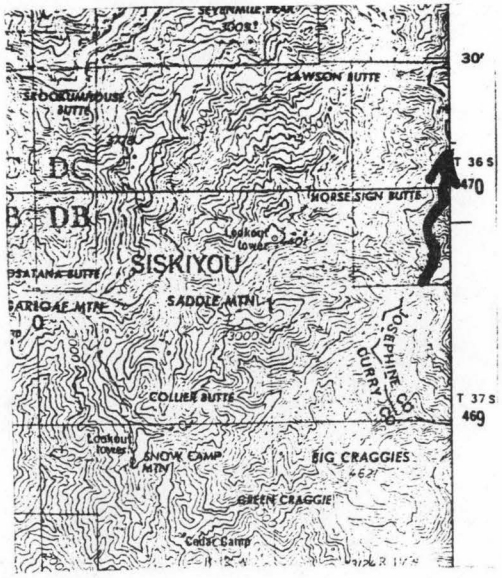
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2262 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-045-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 7, T37S, R11W
D.	Latitude, Longitude	42°23'N, 124°04'W
E.	Stream Name	Collier Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 4.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

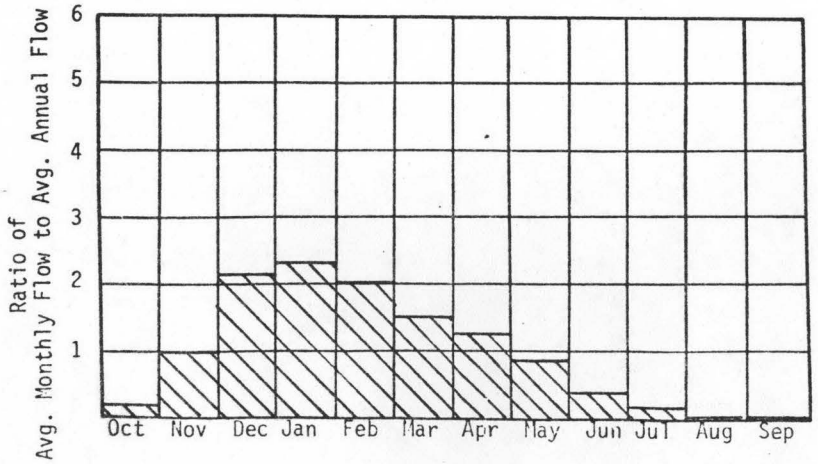
A.	Upstream Elevation of Reach	810	Ft. MSL
B.	Downstream Elevation of Reach	277	Ft. MSL
C.	Total Available Head in Reach	533	Ft.
D.	Average Slope in Reach	133	Ft./Mi.
E.	Drainage Area above Reach Mouth	35	Sq.Mi.
F.	Inflow Classification	Natural	

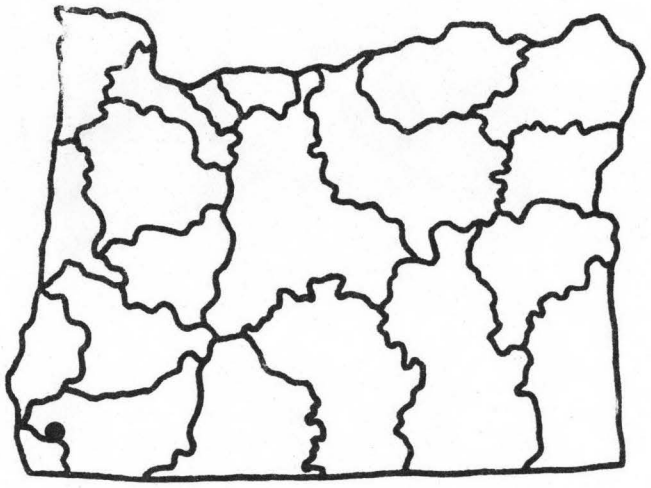
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.0	.45	3.96	1.000
80	20.9	.94	7.73	.935
50	61.8	2.79	18.26	.746
30	126.0	5.69	28.42	.570
10	263.9	11.92	39.33	.377

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 124 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-045-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	T37S, R12W	
D. Latitude, Longitude	42°21'N, 124°06'W	
E. Stream Name	Collier Creek	
F. Major Basin Name	Rogue	
G. River Mile	4.0 to H.W.	

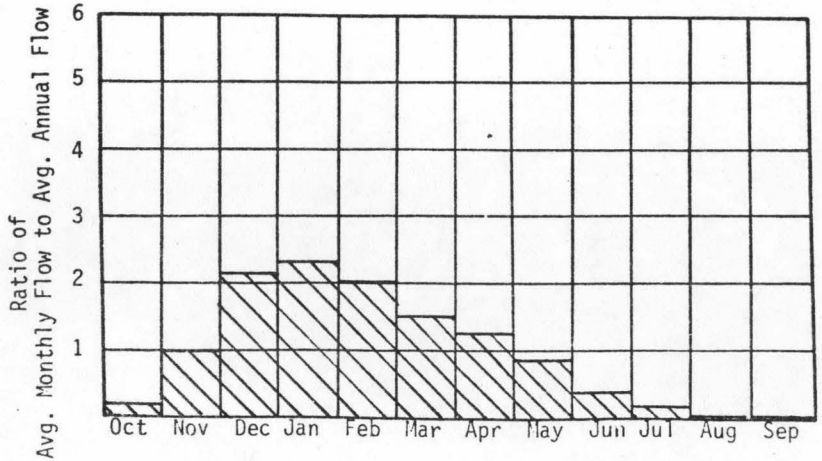
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

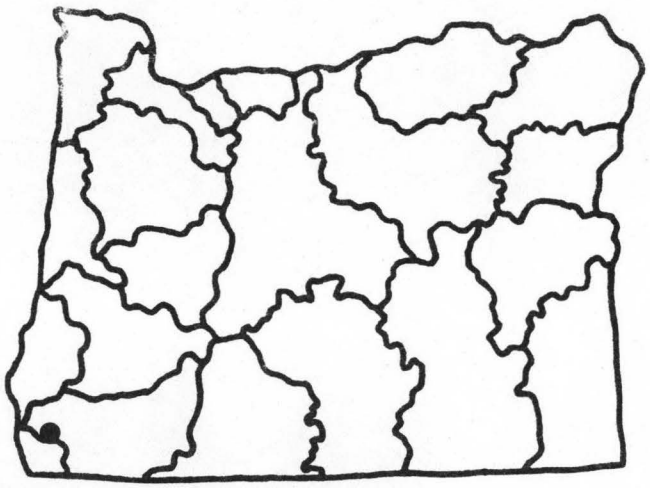
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	17	Sq.Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.4	.04	.31	1.000
80	13.7	.08	.63	.933
50	40.9	.23	1.49	.745
30	84.6	.47	2.35	.567
10	178.8	1.00	3.27	.373

IV. TYPICAL ANNUAL HYDROGRAPH AVG. ANNUAL FLOW = 83 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 11, T37S, R11W
D.	Latitude, Longitude	42°23'N, 123°57'W
E.	Stream Name	Illinois River
F.	Major Basin Name	Rogue
G.	River Mile	13.3 to 25.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

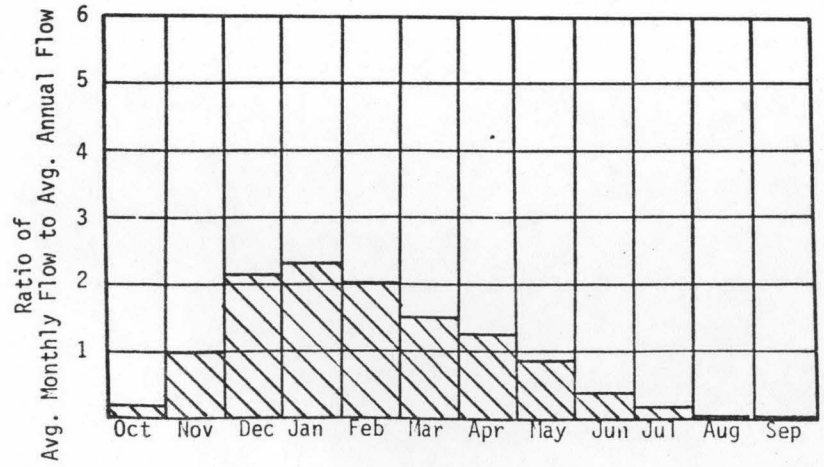
A.	Upstream Elevation of Reach	625	Ft. MSL
B.	Downstream Elevation of Reach	277	Ft. MSL
C.	Total Available Head in Reach	348	Ft.
D.	Average Slope in Reach	29.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	725	Sq.Mi.
F.	Inflow Classification	Natural	

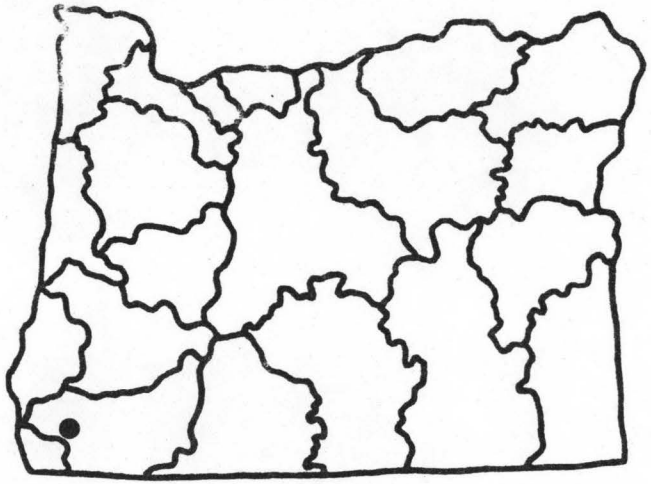
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	234.9	6.93	60.69	1.000
80	399.2	11.77	97.82	.949
50	1113.8	32.85	217.82	.757
30	2054.3	60.58	315.01	.594
10	4012.9	118.35	416.21	.401

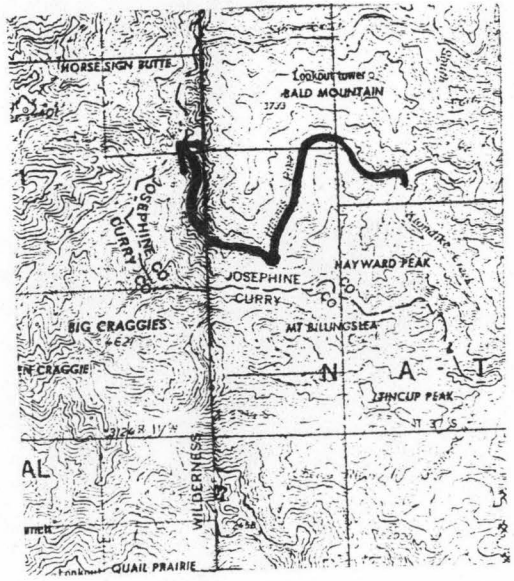
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2016 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 2, T37S, R10W
D.	Latitude, Longitude	42°23'N, 123°50'W
E.	Stream Name	Illinois River
F.	Major Basin Name	Rogue
G.	River Mile	25.0 to 32.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

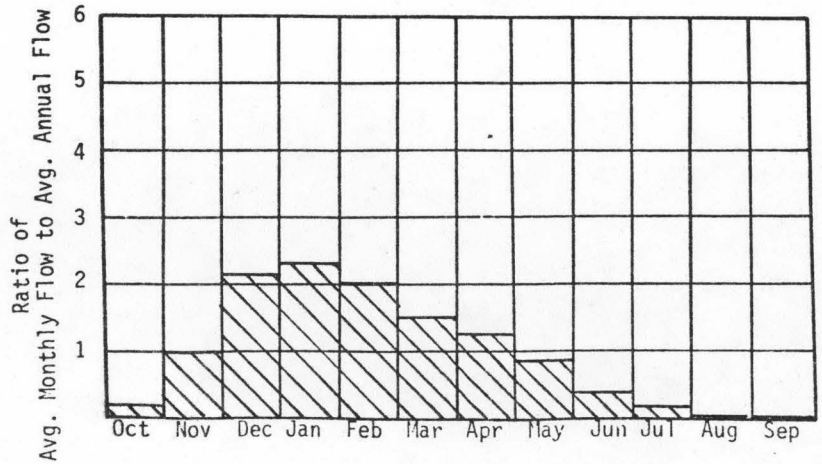
A.	Upstream Elevation of Reach	850	Ft. MSL
B.	Downstream Elevation of Reach	625	Ft. MSL
C.	Total Available Head in Reach	225	Ft.
D.	Average Slope in Reach	30	Ft./Mi.
E.	Drainage Area above Reach Mouth	685	Sq.Mi.
F.	Inflow Classification	Natural	

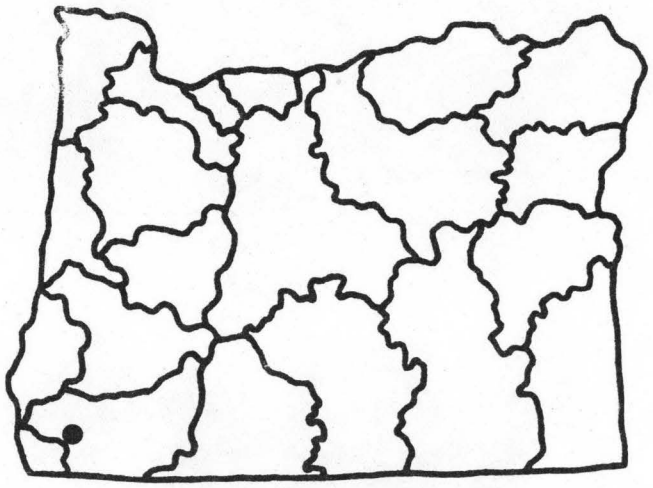
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	213.9	4.08	35.74	1.000
80	365.8	6.97	57.93	.948
50	1022.4	19.50	129.22	.757
30	1891.4	36.06	187.28	.593
10	3702.2	70.59	247.77	.401

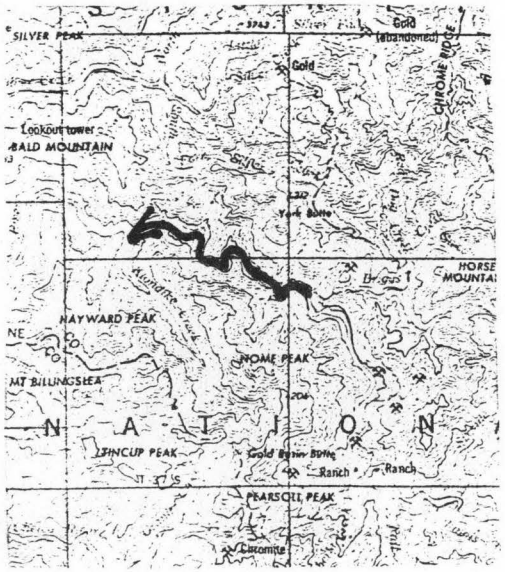
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1856 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-050-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 3, T37S, R9W	
D. Latitude, Longitude	42°24'N, 123°44'W	
E. Stream Name	Briggs River	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 6.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

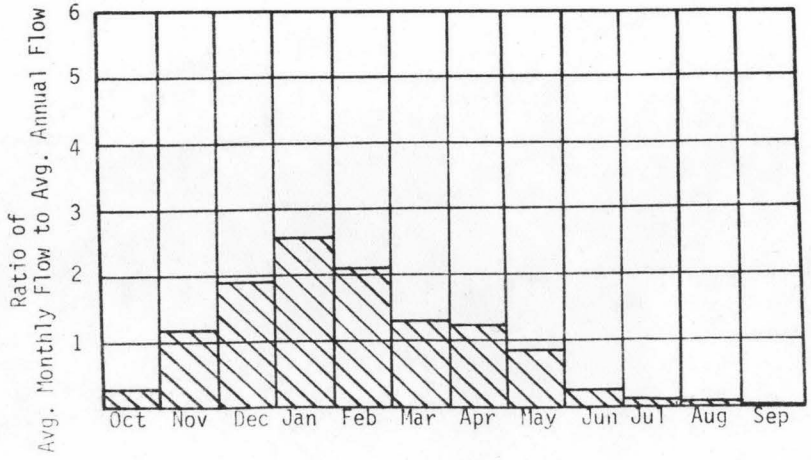
A. Upstream Elevation of Reach	1730	Ft. MSL
B. Downstream Elevation of Reach	850	Ft. MSL
C. Total Available Head in Reach	880	Ft.
D. Average Slope in Reach	141.9	Ft./Mi.
E. Drainage Area above Reach Mouth	70	Sq.Mi.
F. Inflow Classification	Natural	

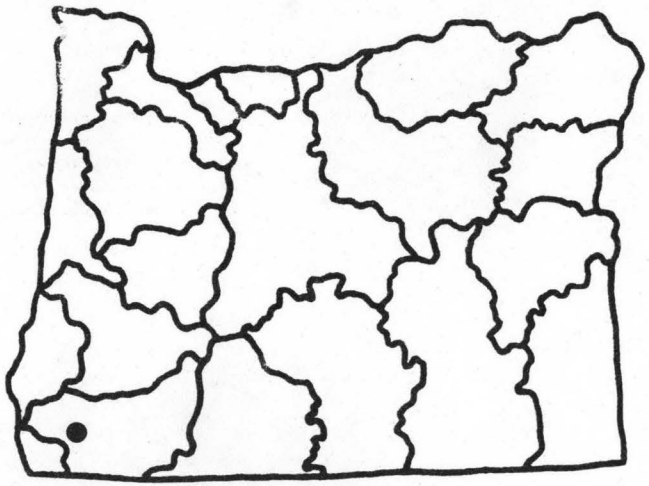
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	14.1	1.05	9.21	1.000
80	28.8	2.15	17.63	.936
50	84.7	6.32	41.37	.747
30	170.8	12.74	63.86	.572
10	355.0	26.47	87.92	.379

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 168 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-050-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 18, T36S, R8W
D.	Latitude, Longitude	42°26'N, 123°42'W
E.	Stream Name	Briggs River
F.	Major Basin Name	Rogue
G.	River Mile	6.2 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

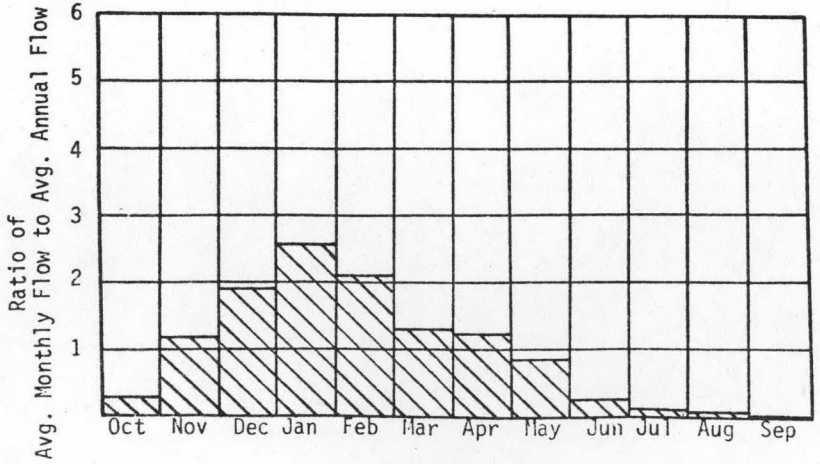
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	28	Sq.Mi.
F.	Inflow Classification	Natural	

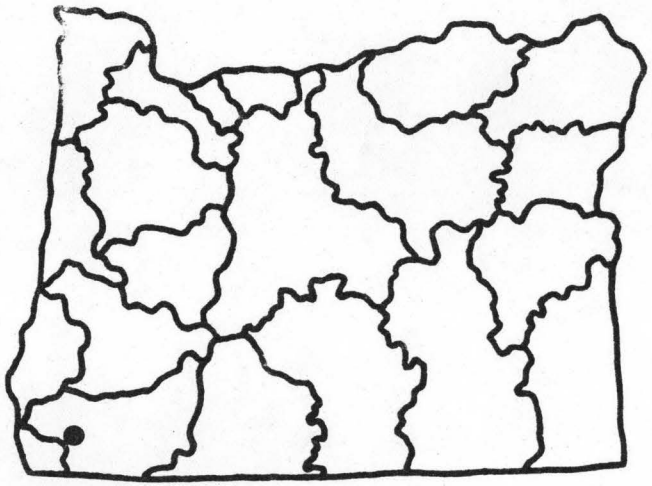
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.7	.04	.38	1.000
80	16.4	.09	.75	.934
50	48.9	.27	1.78	.745
30	100.4	.56	2.79	.568
10	211.4	1.18	3.88	.375

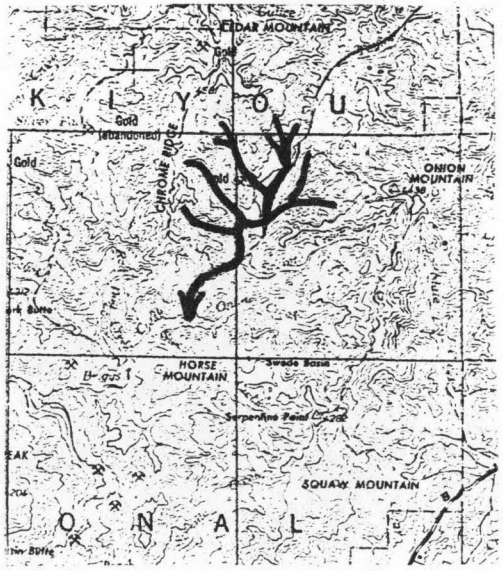
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 99 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0007

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 33, T37S, R9W	
D. Latitude, Longitude	42°18'N, 123°47'W	
E. Stream Name	Illinois River	
F. Major Basin Name	Rogue	
G. River Mile	32.5 to 46.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

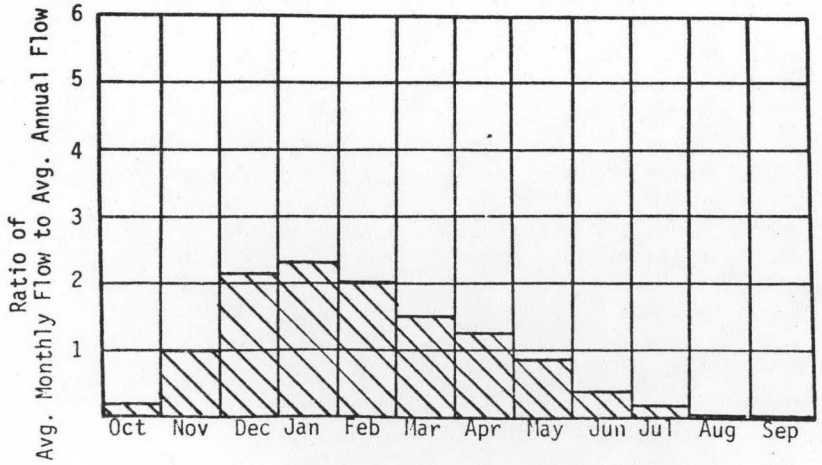
A. Upstream Elevation of Reach	1138	Ft. MSL
B. Downstream Elevation of Reach	850	Ft. MSL
C. Total Available Head in Reach	288	Ft.
D. Average Slope in Reach	20.5	Ft./Mi.
E. Drainage Area above Reach Mouth	596	Sq.Mi.
F. Inflow Classification	Natural	

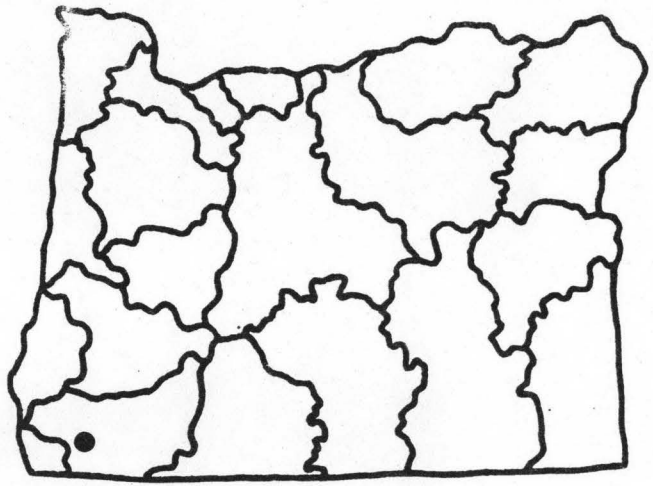
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	167.1	4.08	35.73	1.000
80	290.4	7.09	58.79	.947
50	815.4	19.90	131.75	.756
30	1520.1	37.10	192.02	.591
10	2991.8	73.02	254.95	.399

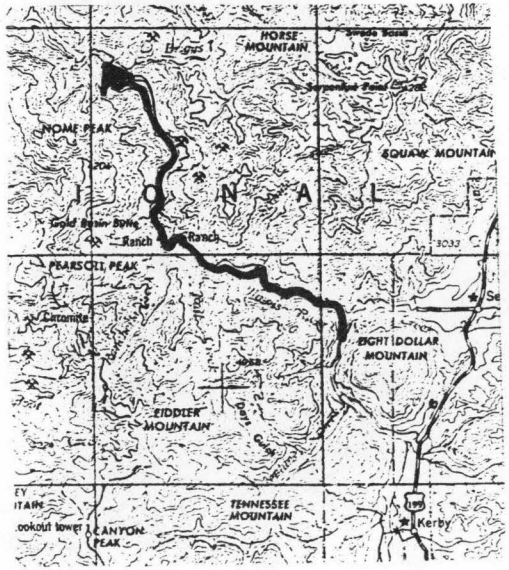
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1492 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-060-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 11, T38S, R8W
D.	Latitude, Longitude	42°18'N, 123°46'W
E.	Stream Name	Deer Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 8.6

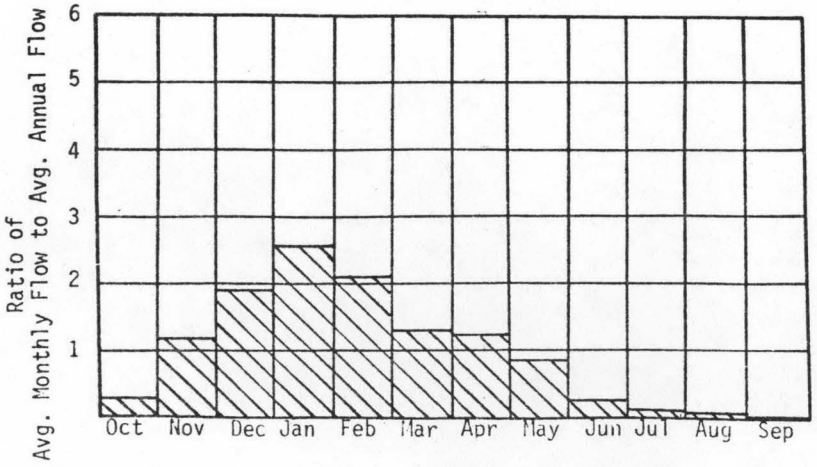
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

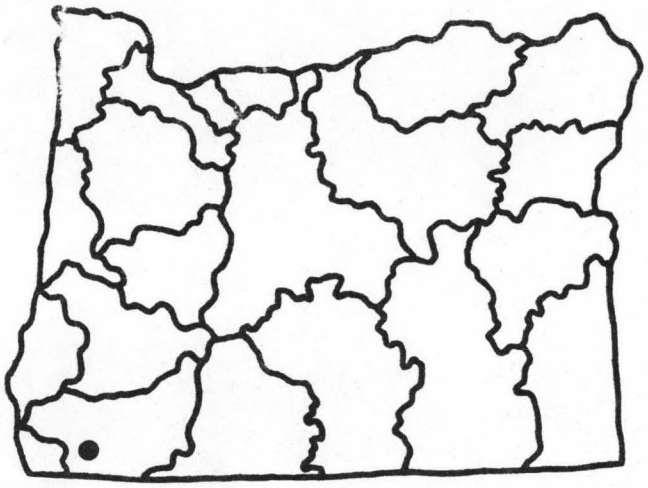
A.	Upstream Elevation of Reach	1354	Ft. MSL
B.	Downstream Elevation of Reach	1138	Ft. MSL
C.	Total Available Head in Reach	216	Ft.
D.	Average Slope in Reach	25	Ft./Mi.
E.	Drainage Area above Reach Mouth	114	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

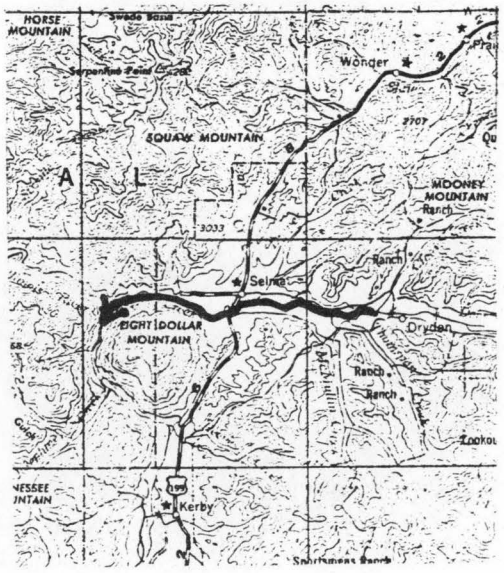
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.7	.21	1.87	1.000
80	24.1	.44	3.62	.935
50	71.2	1.30	8.52	.747
30	144.4	2.64	13.22	.571
10	301.3	5.52	18.25	.378

IV. TYPICAL ANNUAL HYDROGRAPH AVG. ANNUAL FLOW = 142 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

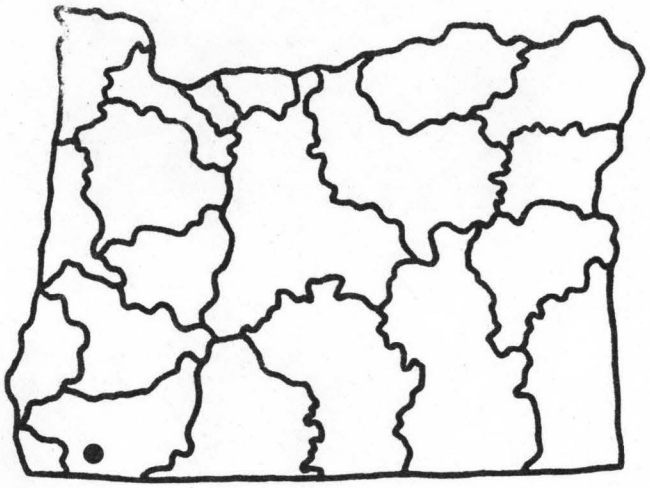


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-060-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 20, T38S, R6W
D.	Latitude, Longitude	42°16'N, 123°26'W
E.	Stream Name	Deer Creek
F.	Major Basin Name	Rogue
G.	River Mile	8.6 to H.W.



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

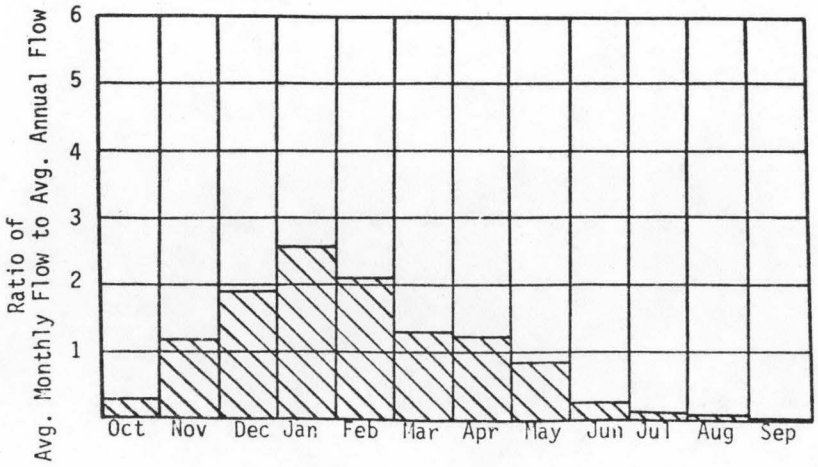
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	48	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

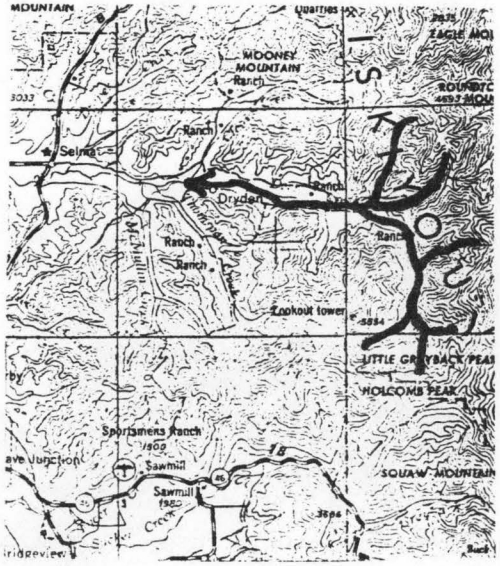
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.1	.03	.30	1.000
80	13.1	.07	.60	.933
50	39.3	.22	1.43	.745
30	81.3	.45	2.26	.567
10	172.0	.96	3.15	.373

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 80 CFS



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

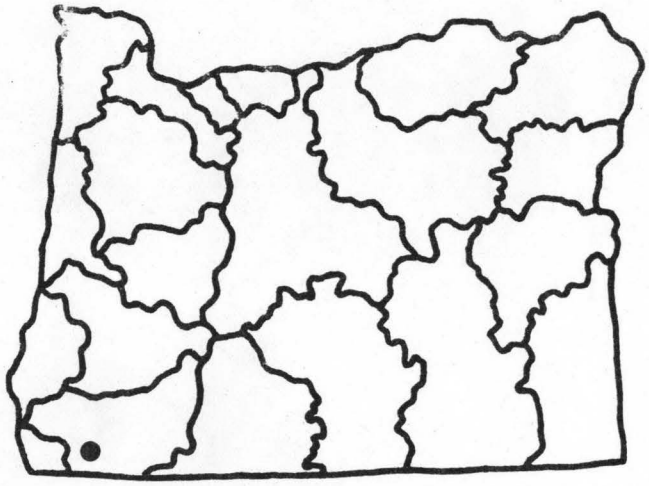


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec 19, T38S, R8W
D.	Latitude, Longitude	42°15'N, 123°42'W
E.	Stream Name	Illinois River
F.	Major Basin Name	Rogue
G.	River Mile	46.5 to 48.7



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

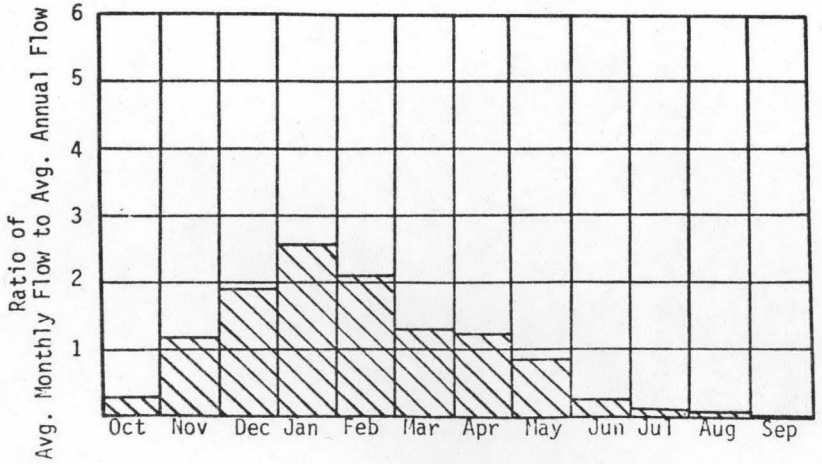
A.	Upstream Elevation of Reach	1167	Ft. MSL
B.	Downstream Elevation of Reach	1138	Ft. MSL
C.	Total Available Head in Reach	29	Ft.
D.	Average Slope in Reach	13.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	428	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

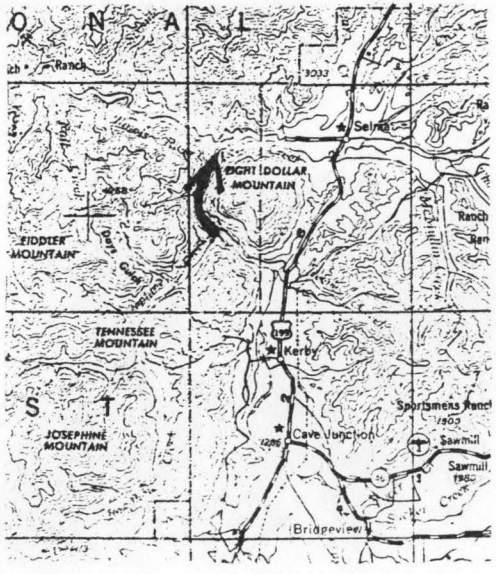
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	130.1	.32	2.80	1.000
80	229.8	.56	4.68	.946
50	648.2	1.59	10.53	.755
30	1218.0	2.99	15.44	.589
10	2410.4	5.92	20.57	.396

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1196 CFS



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-065-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 12, T39S, R9W
D.	Latitude, Longitude	42°11'N, 123°44'W
E.	Stream Name	Josephine Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

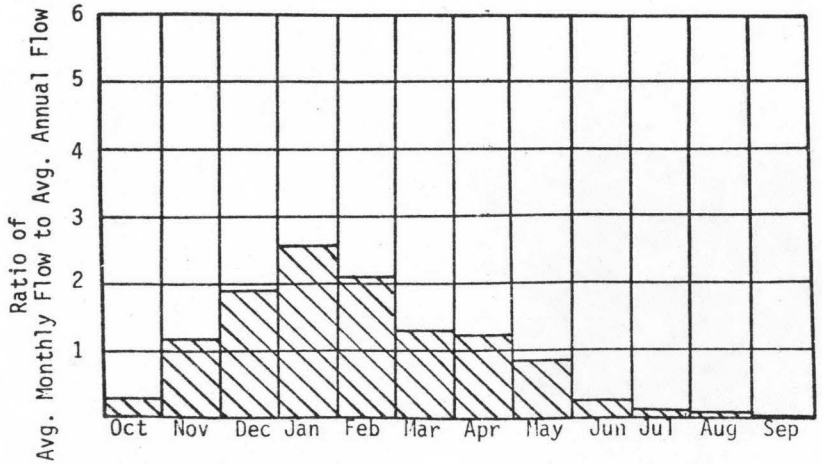
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	42	Sq.Mi.
F.	Inflow Classification	Natural	

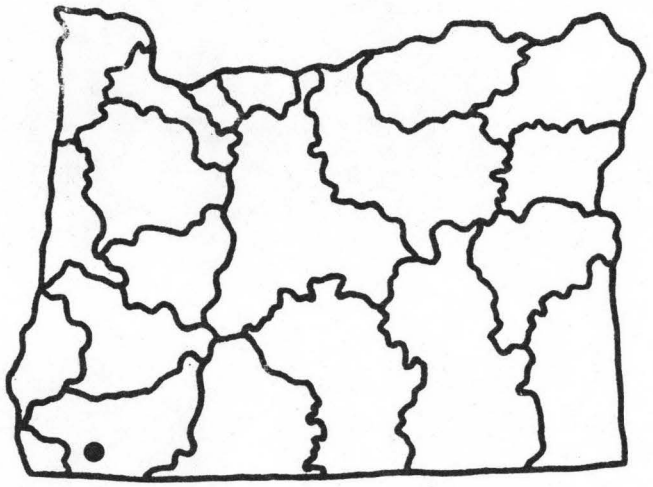
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.2	.06	.50	1.000
80	21.3	.12	.98	.935
50	63.0	.35	2.31	.746
30	128.4	.72	3.59	.570
10	268.7	1.50	4.96	.377

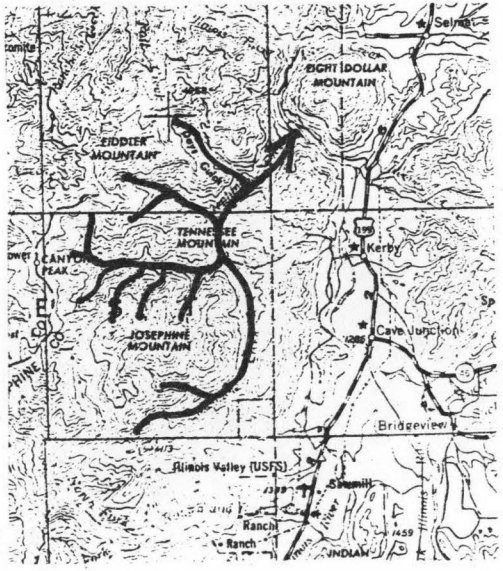
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 126 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-000-000-R0009

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 4, T39S, R8W	
D. Latitude, Longitude	42°12'N, 123°39'W	
E. Stream Name	Illinois River	
F. Major Basin Name	Rogue	
G. River Mile	48.7 to 56.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

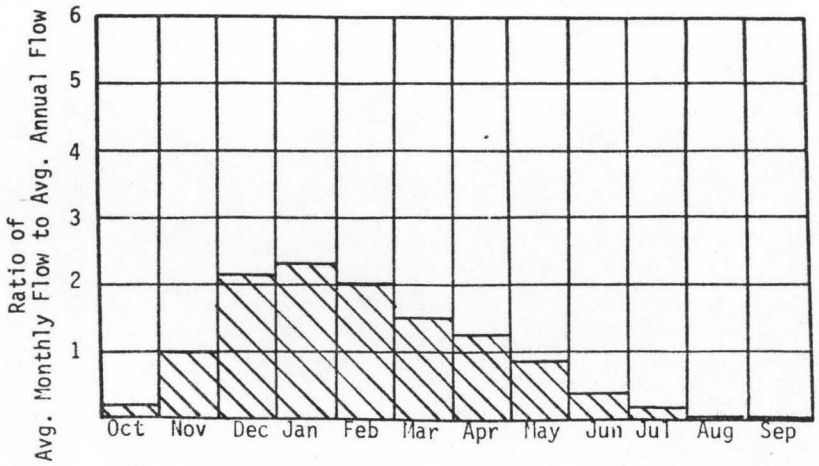
A. Upstream Elevation of Reach	1276	Ft. MSL
B. Downstream Elevation of Reach	1167	Ft. MSL
C. Total Available Head in Reach	109	Ft.
D. Average Slope in Reach	14	Ft./Mi.
E. Drainage Area above Reach Mouth	382	Sq.Mi.
F. Inflow Classification	Natural	

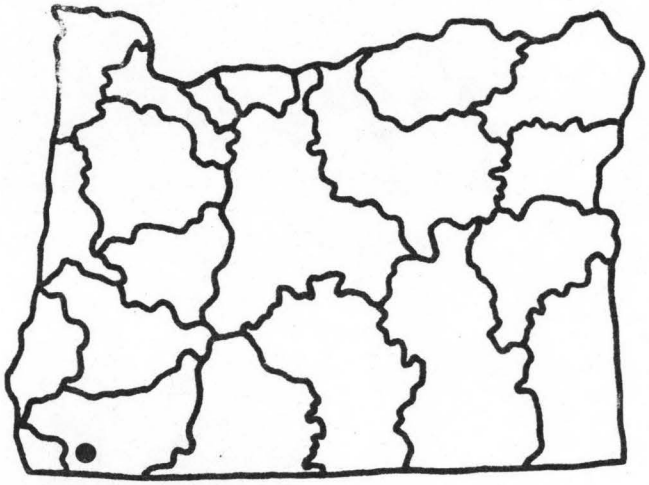
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	110.3	1.02	8.93	1.000
80	197.0	1.82	15.06	.945
50	557.5	5.15	34.02	.754
30	1053.1	9.73	50.07	.588
10	2091.6	19.32	66.87	.395

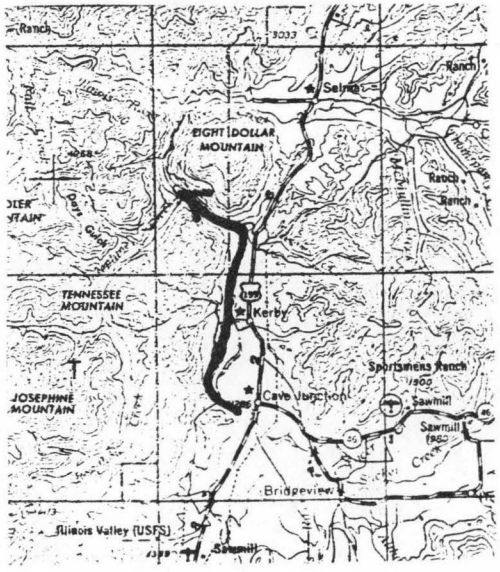
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1034 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-075-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 5, T40S, R8W	
D. Latitude, Longitude	42°06'N, 123°40'W	
E. Stream Name	West Fork Illinois	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 6.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

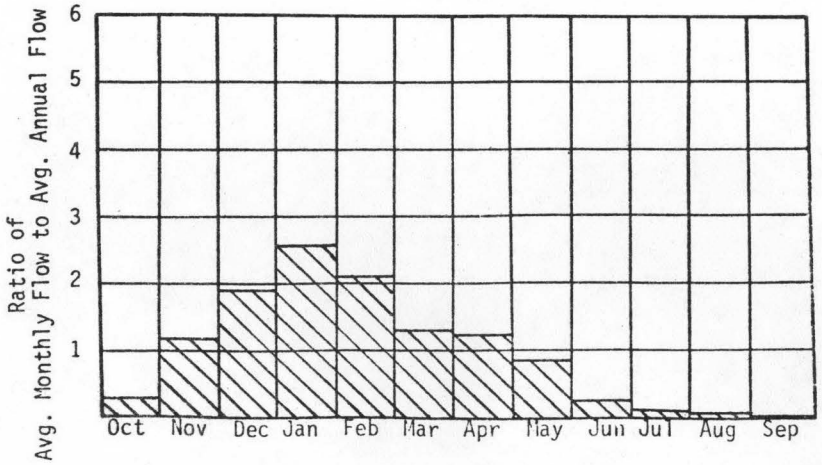
A. Upstream Elevation of Reach	1349	Ft. MSL
B. Downstream Elevation of Reach	1276	Ft. MSL
C. Total Available Head in Reach	73	Ft.
D. Average Slope in Reach	11	Ft./Mi.
E. Drainage Area above Reach Mouth	121	Sq.Mi.
F. Inflow Classification	Natural	

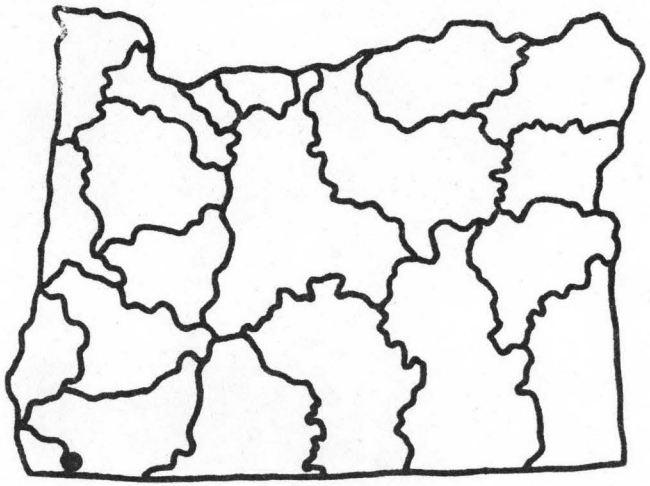
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	33.7	.21	1.83	1.000
80	65.1	.40	3.32	.940
50	188.4	1.17	7.66	.750
30	369.5	2.29	11.59	.579
10	753.3	4.66	15.75	.386

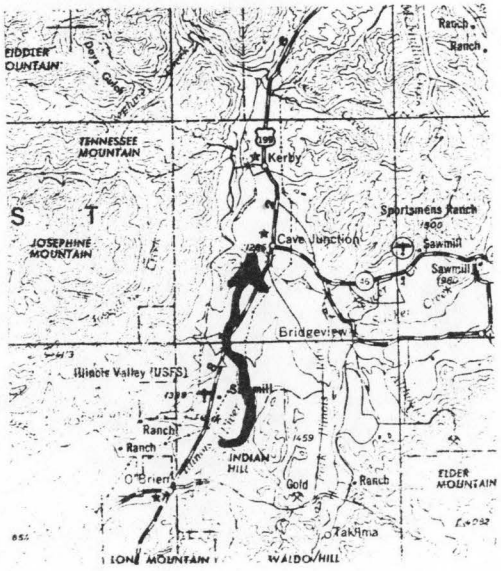
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 364 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD-WEED



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-075-005-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 16, T40S, R9W
D.	Latitude, Longitude	42°05'N, 123°46'W
E.	Stream Name	Rough & Ready Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

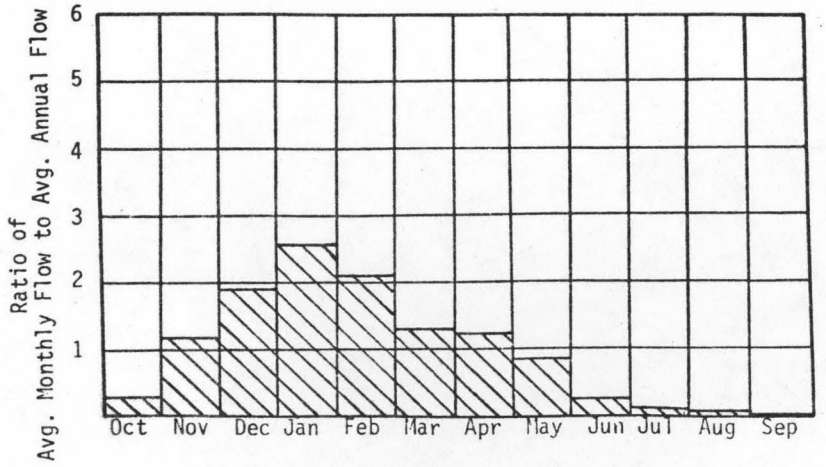
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

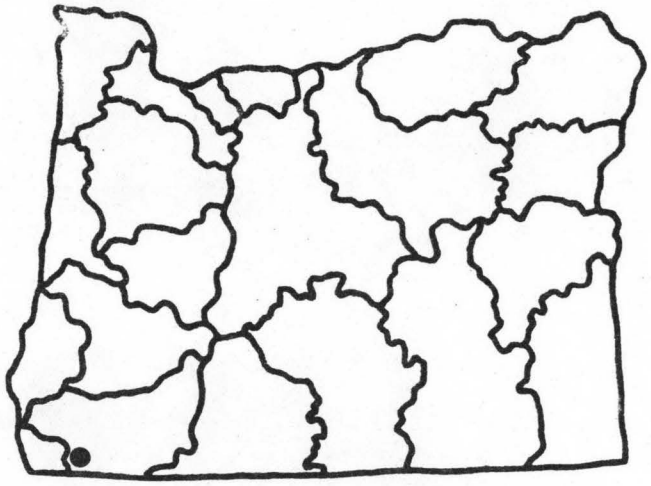
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	36	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

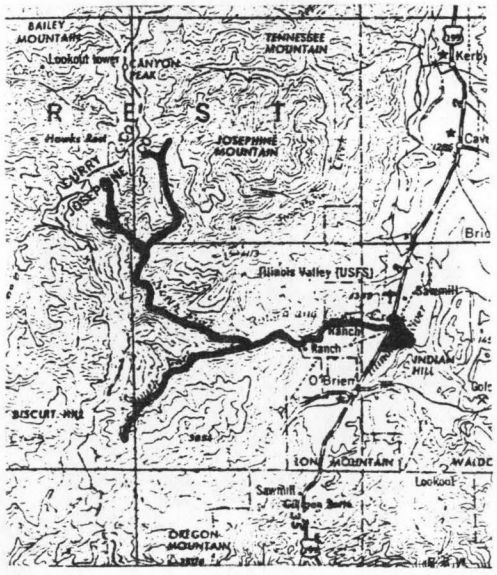
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.1	.06	.49	1.000
80	21.0	.12	.96	.935
50	62.1	.35	2.27	.746
30	126.6	.71	3.54	.570
10	265.1	1.48	4.89	.377

IV. TYPICAL ANNUAL HYDROGRAPH AVG. ANNUAL FLOW = 125 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-075-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 26, T40S, R9W
D.	Latitude, Longitude	42°02'N, 123°42'W
E.	Stream Name	West Fork Illinois River
F.	Major Basin Name	Rogue
G.	River Mile	6.7 to 13.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

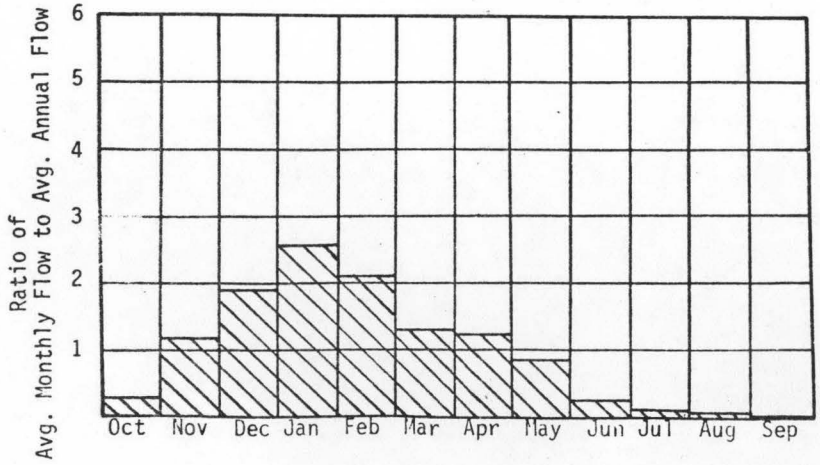
A.	Upstream Elevation of Reach	1538	Ft. MSL
B.	Downstream Elevation of Reach	1349	Ft. MSL
C.	Total Available Head in Reach	189	Ft.
D.	Average Slope in Reach	29.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	62	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

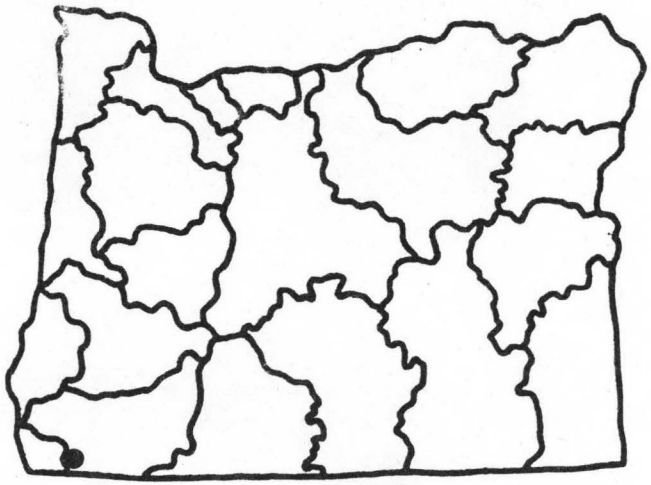
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	14.7	.24	2.07	1.000
80	30.1	.48	3.95	.936
50	88.3	1.41	9.26	.747
30	177.7	2.85	14.28	.573
10	369.0	5.91	19.65	.379

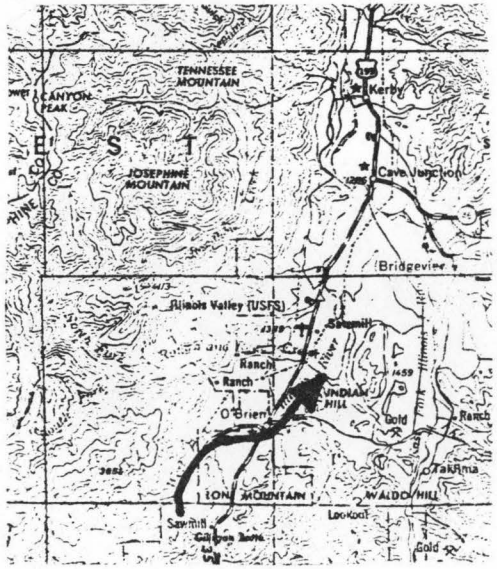
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 174 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-075-010-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 13, T41S, R9W
D.	Latitude, Longitude	42°02'N, 123°42'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

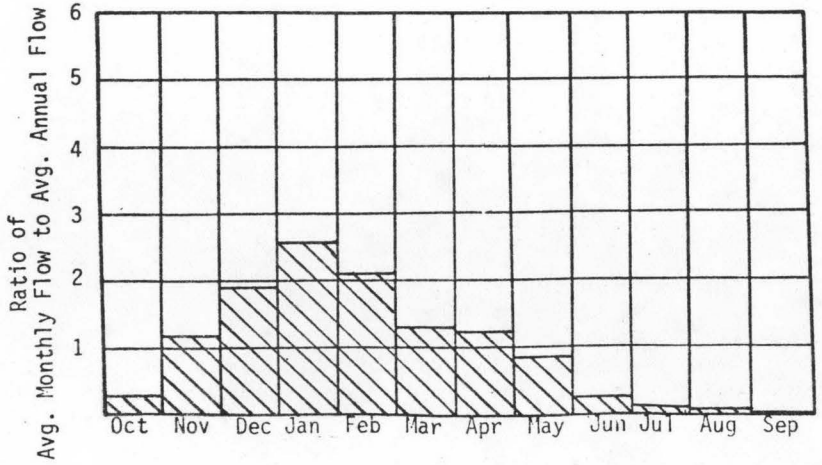
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	28	Sq.Mi.
F.	Inflow Classification	Natural	

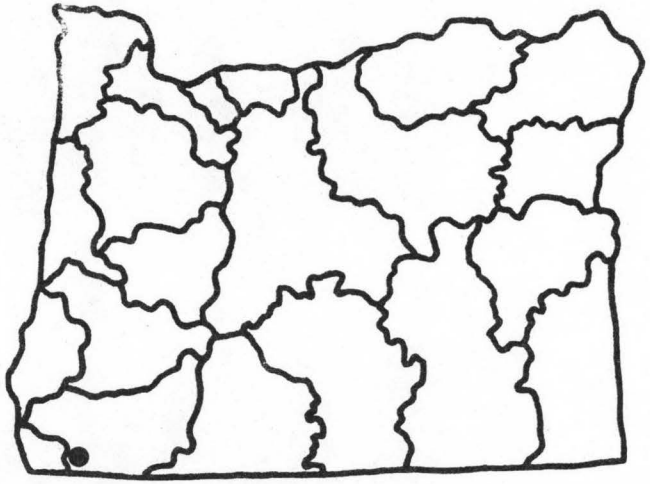
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.4	.04	.36	1.000
80	15.7	.09	.72	.934
50	46.8	.26	1.71	.745
30	96.3	.54	2.68	.568
10	203.0	1.14	3.72	.374

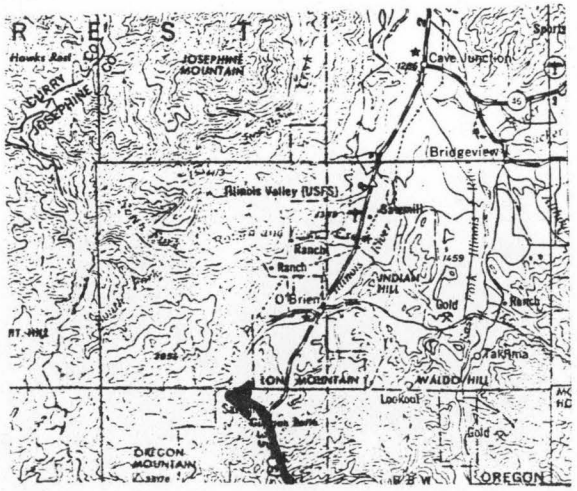
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 95 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD-WEED



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-095-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 27, T39S, R8W
D.	Latitude, Longitude	42°08'N, 123°39'W
E.	Stream Name	East Fork Illinois River
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 4.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

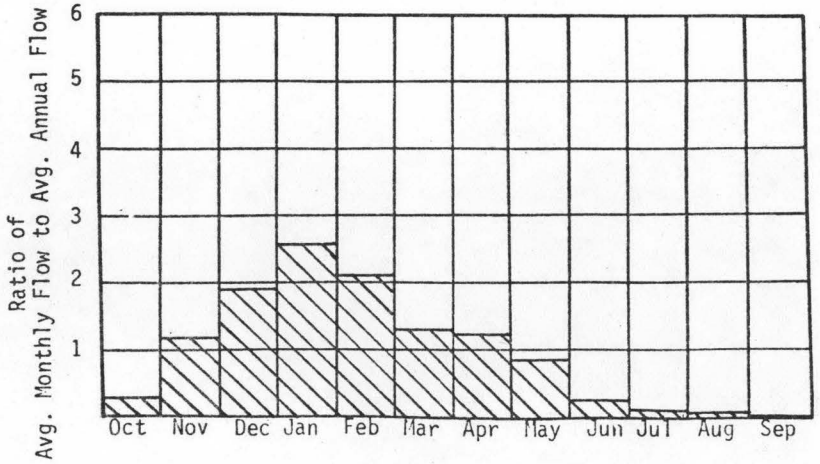
A.	Upstream Elevation of Reach	1344	Ft. MSL
B.	Downstream Elevation of Reach	1276	Ft. MSL
C.	Total Available Head in Reach	68	Ft.
D.	Average Slope in Reach	15.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	233	Sq.Mi.
F.	Inflow Classification	Natural	

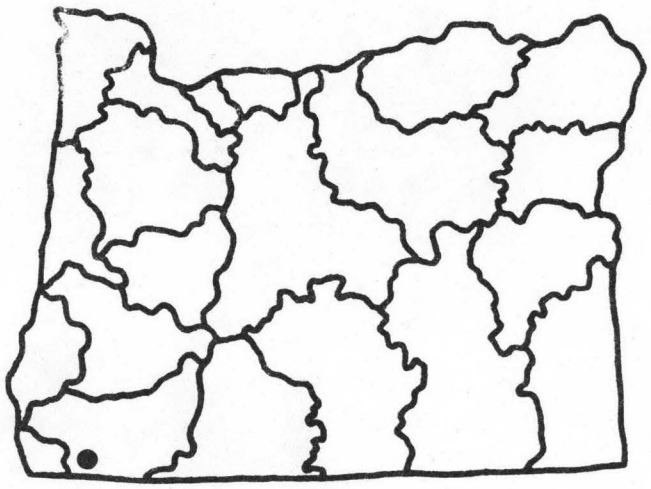
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	58.6	.34	2.96	1.000
80	109.1	.63	5.19	.942
50	312.4	1.80	11.86	.752
30	602.0	3.47	17.71	.583
10	1212.5	6.99	23.87	.390

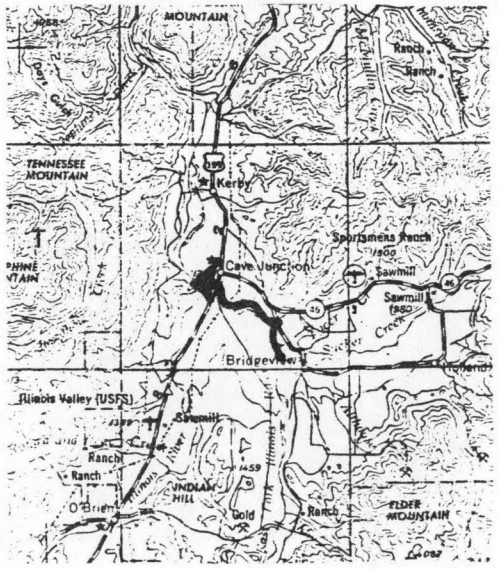
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 592 CFS





U.S.G.S. TOPO, SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-095-005-R0001

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 21, T39S, R7W	
D. Latitude, Longitude	42°10'N, 123°32'W	
E. Stream Name	Sucker Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 11.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

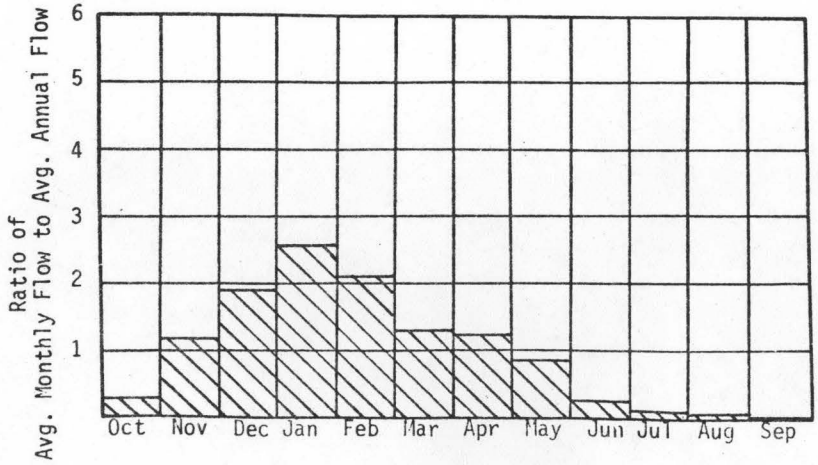
A. Upstream Elevation of Reach	1800	Ft. MSL
B. Downstream Elevation of Reach	1344	Ft. MSL
C. Total Available Head in Reach	456	Ft.
D. Average Slope in Reach	40.7	Ft./Mi.
E. Drainage Area above Reach Mouth	97	Sq.Mi.
F. Inflow Classification	Natural	

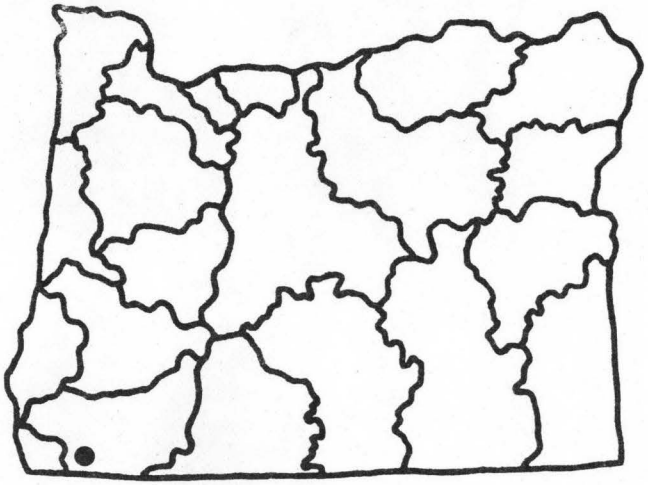
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	17.2	.66	5.81	1.000
80	34.6	1.34	10.98	.937
50	101.4	3.92	25.67	.748
30	203.1	7.85	39.45	.574
10	420.3	16.24	54.16	.381

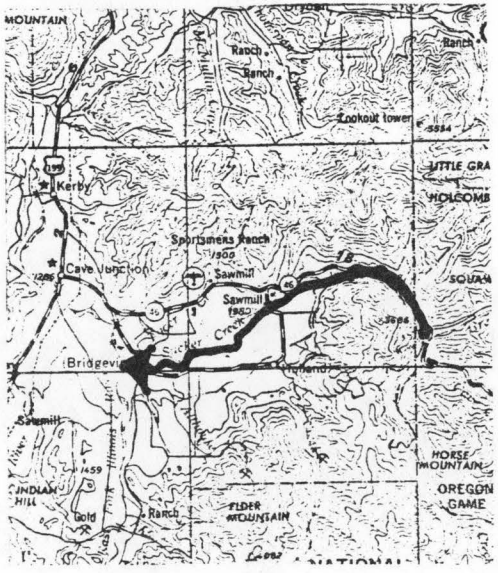
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 200 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-095-005-R002

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 1, T40S, R6E	
D. Latitude, Longitude	42°07'N, 123°28'W	
E. Stream Name	Sucker Creek	
F. Major Basin Name	Rogue	
G. River Mile	11.2 to 14.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

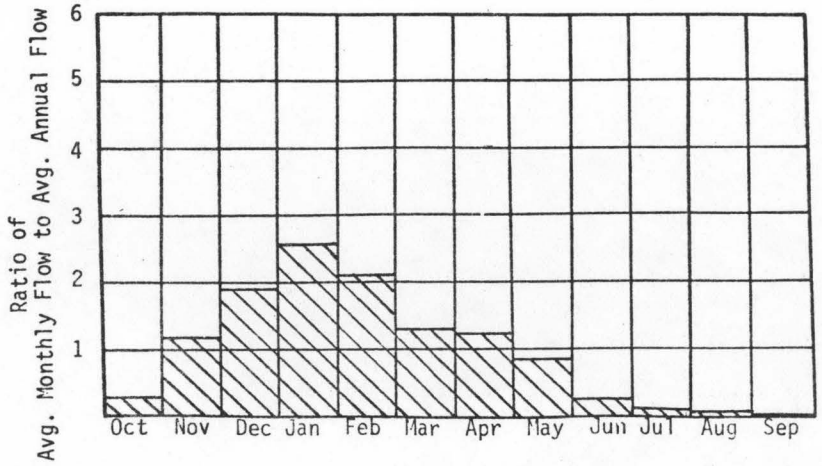
A. Upstream Elevation of Reach	2140	Ft. MSL
B. Downstream Elevation of Reach	1800	Ft. MSL
C. Total Available Head in Reach	340	Ft.
D. Average Slope in Reach	103	Ft./Mi.
E. Drainage Area above Reach Mouth	50	Sq.Mi.
F. Inflow Classification	Natural	

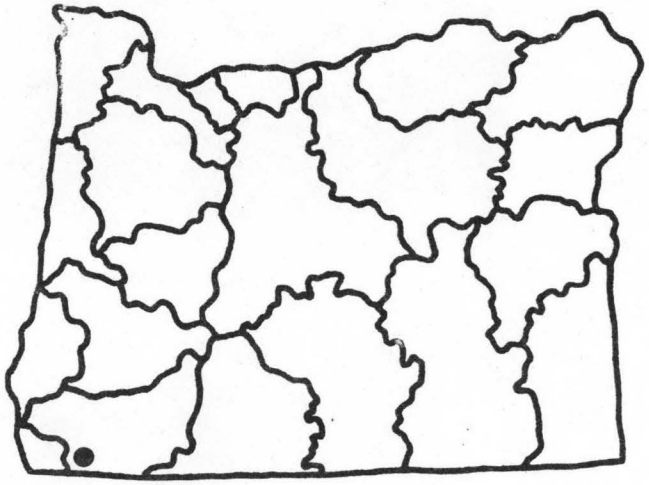
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.3	.24	2.09	1.000
80	17.5	.51	4.14	.934
50	52.1	1.50	9.80	.746
30	106.8	3.08	15.32	.569
10	224.5	6.47	21.27	.375

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 105 CFS





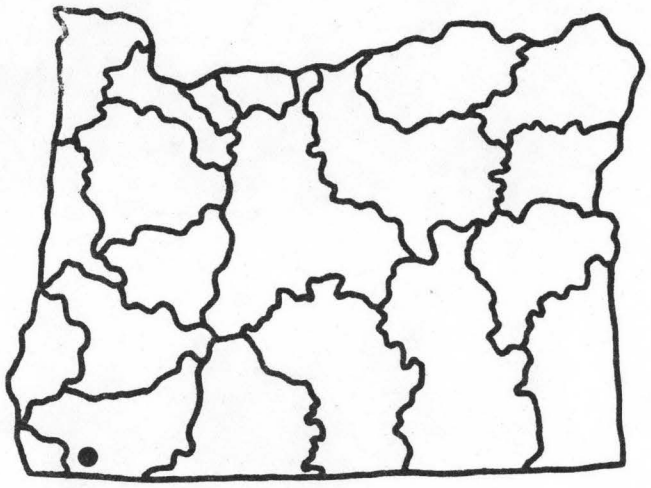
U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-095-0005-R0003

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 29, T40S, R6W
D.	Latitude, Longitude	42°03'N, 123°26'W
E.	Stream Name	Sucker Creek
F.	Major Basin Name	Rogue
G.	River Mile	14.5 to H.W.



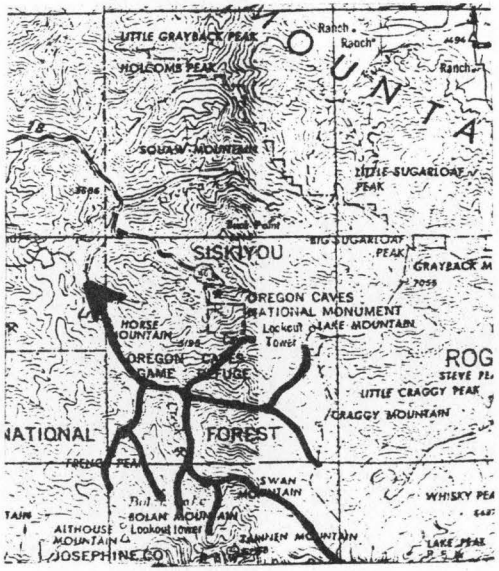
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	34	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

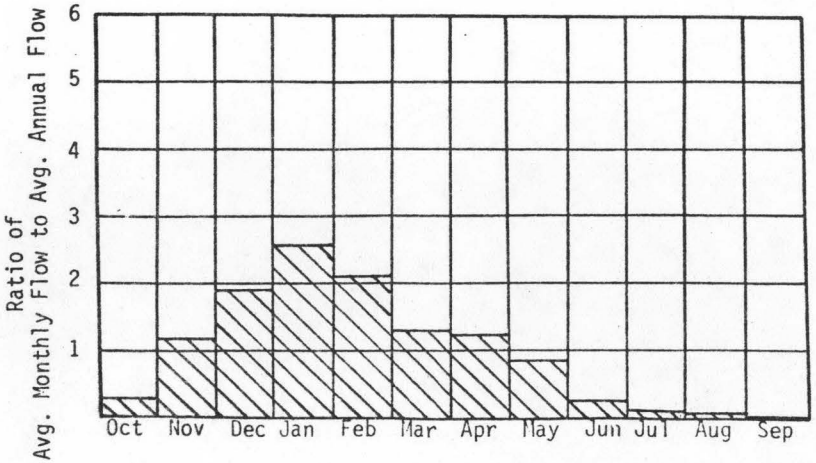
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.7	.04	.33	1.000
80	14.4	.08	.66	.933
50	42.8	.24	1.56	.745
30	88.3	.49	2.45	.567
10	186.6	1.04	3.42	.374

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 87 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-095-010-R0001

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 7, T40S, R7W	
D. Latitude, Longitude	42°05'N, 123°34'W	
E. Stream Name	Althouse Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 7.4	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

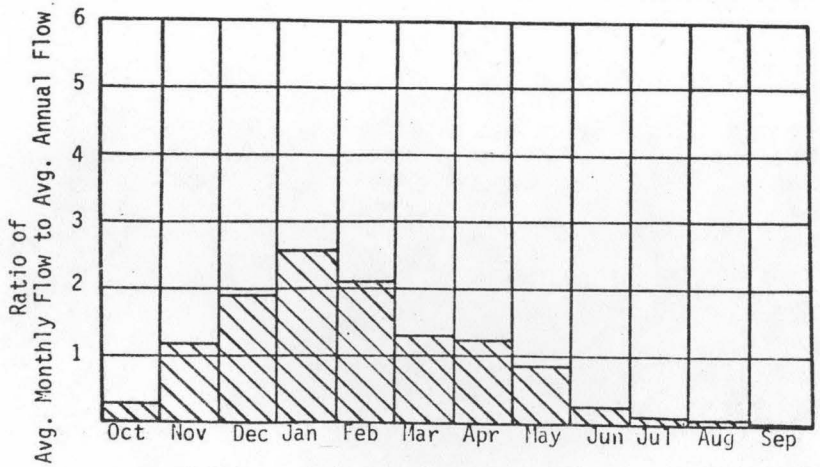
A. Upstream Elevation of Reach	1676	Ft. MSL
B. Downstream Elevation of Reach	1344	Ft. MSL
C. Total Available Head in Reach	332	Ft.
D. Average Slope in Reach	45	Ft./Mi.
E. Drainage Area above Reach Mouth	46	Sq.Mi.
F. Inflow Classification	Slightly Regulated	

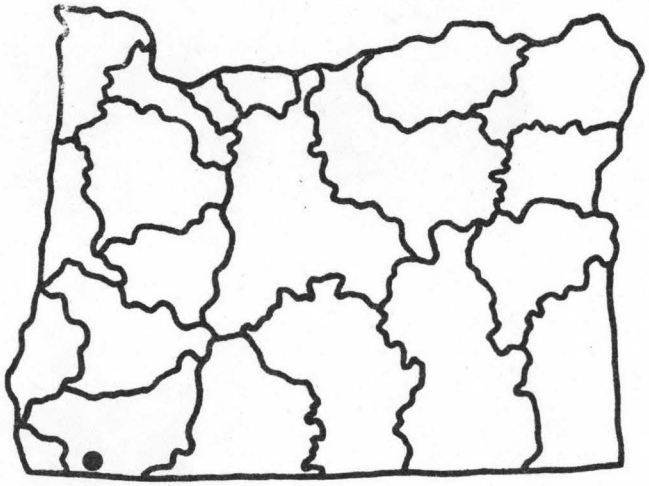
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.7	.22	1.90	1.000
80	16.4	.46	3.77	.934
50	48.7	1.37	8.95	.745
30	100.1	2.82	14.02	.568
10	210.8	5.93	19.48	.375

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 98 CFS





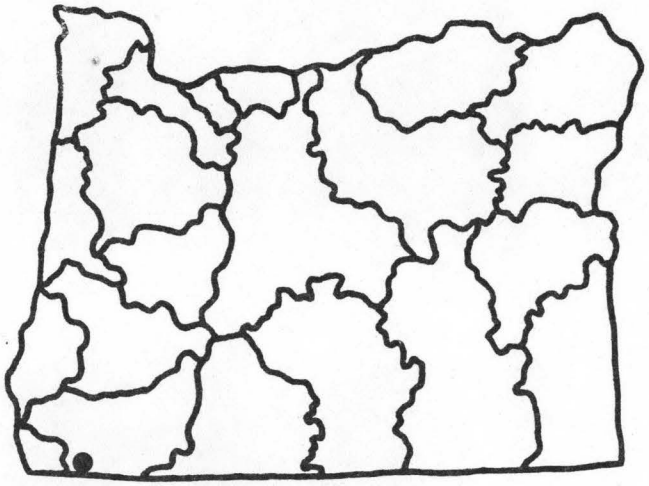
U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-095-010-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 33, T40S, R7W
D.	Latitude, Longitude	42°03'N, 123°32'W
E.	Stream Name	Althouse Creek
F.	Major Basin Name	Rogue
G.	River Mile	7.4 to H.W.



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	25	Sq.Mi.
F.	Inflow Classification	Natural	

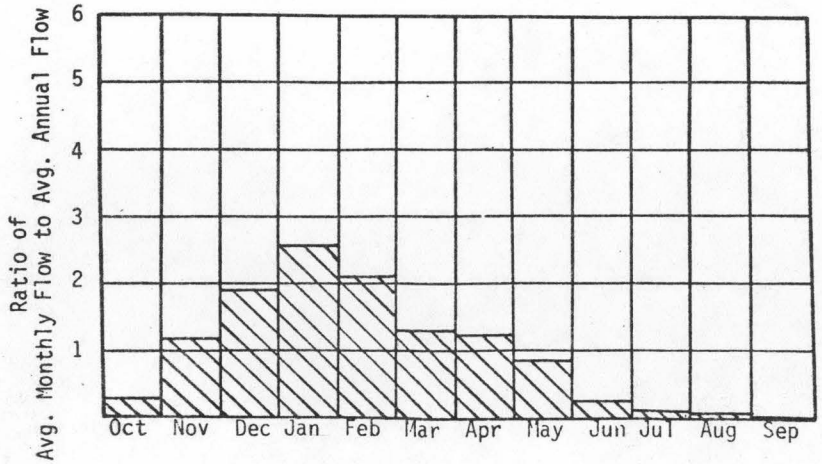
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.3	.03	.26	1.000
80	11.5	.06	.52	.932
50	34.4	.19	1.25	.744
30	71.5	.40	1.98	.566
10	151.8	.85	2.77	.372

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 70 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-015-095-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 23, T40S, R8W	
D. Latitude, Longitude	42°04'N, 123°37'W	
E. Stream Name	East Fork Illinois River	
F. Major Basin Name	Rogue	
G. River Mile	4.5 to 11.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

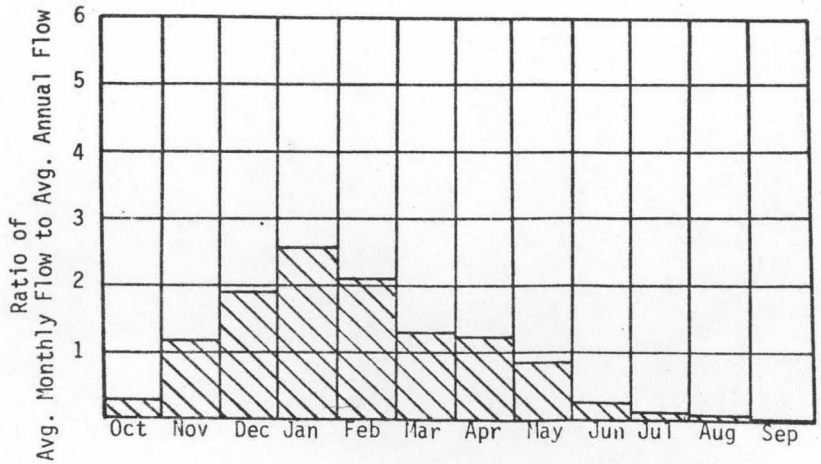
A. Upstream Elevation of Reach	1644	Ft. MSL
B. Downstream Elevation of Reach	1344	Ft. MSL
C. Total Available Head in Reach	300	Ft.
D. Average Slope in Reach	41.7	Ft./Mi.
E. Drainage Area above Reach Mouth	70	Sq.Mi.
F. Inflow Classification	Natural	

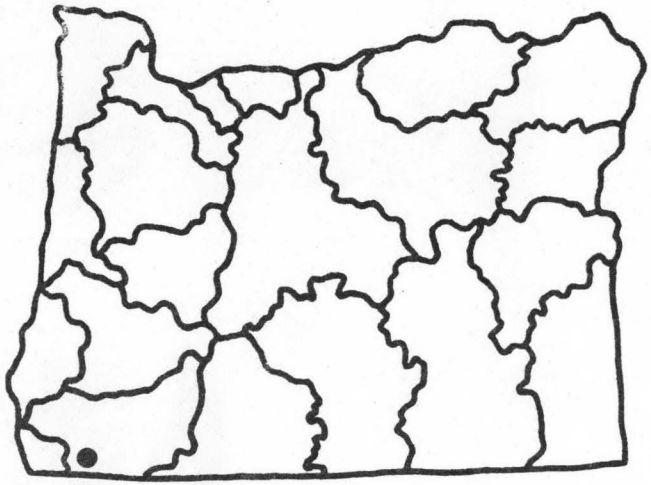
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.9	.40	3.54	1.000
80	32.2	.82	6.72	.937
50	94.5	2.40	15.74	.748
30	189.8	4.83	24.23	.573
10	393.4	10.00	33.29	.380

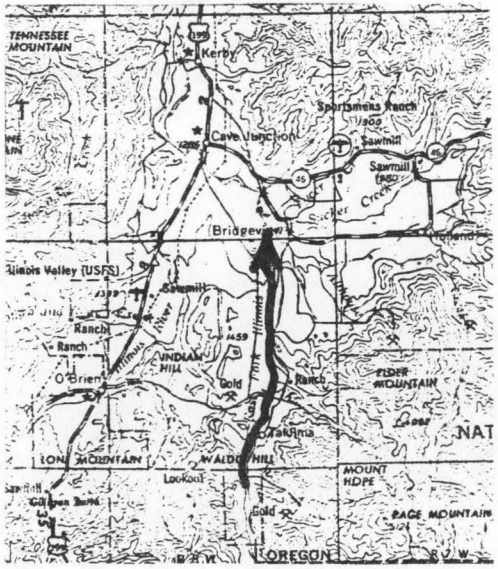
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 187 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 7, T35S, R11W
D.	Latitude, Longitude	42°34'N, 124°04'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	27.1 to 28.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

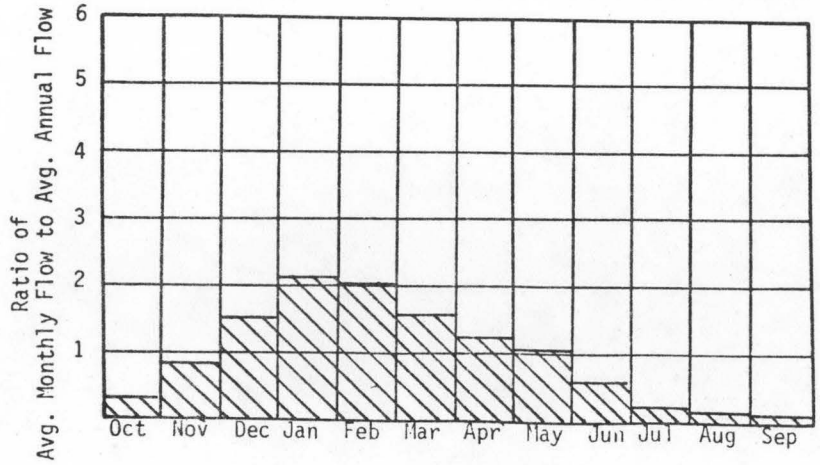
A.	Upstream Elevation of Reach	110	Ft. MSL
B.	Downstream Elevation of Reach	95	Ft. MSL
C.	Total Available Head in Reach	15	Ft.
D.	Average Slope in Reach	8.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	3963	Sq.Mi.
F.	Inflow Classification	Natural	

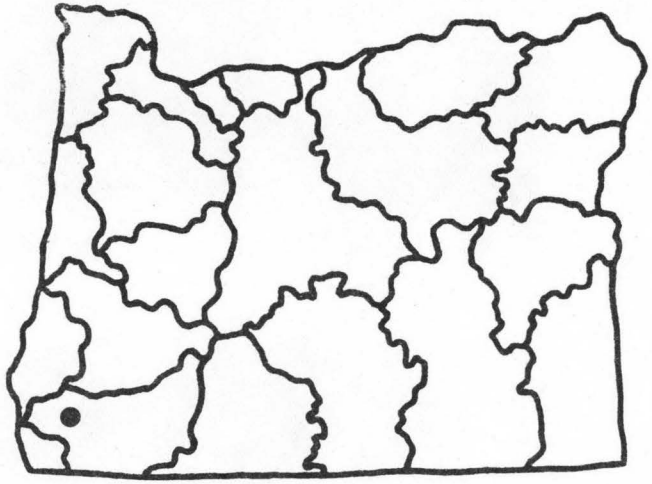
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1042.9	1.33	11.61	1.000
80	1606.9	2.04	17.11	.956
50	4361.4	5.54	37.05	.763
30	7674.0	9.76	51.80	.606
10	14507.1	18.44	67.02	.415

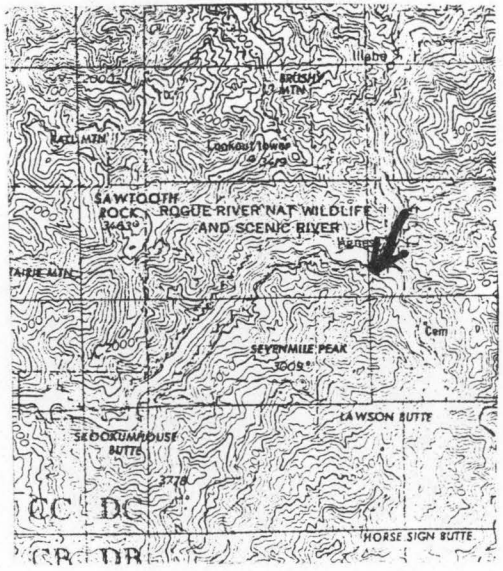
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 7517 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-018-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 3, T35S, R11W
D.	Latitude, Longitude	42°36'N, 123°59'W
E.	Stream Name	Shasta Costa Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 5.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

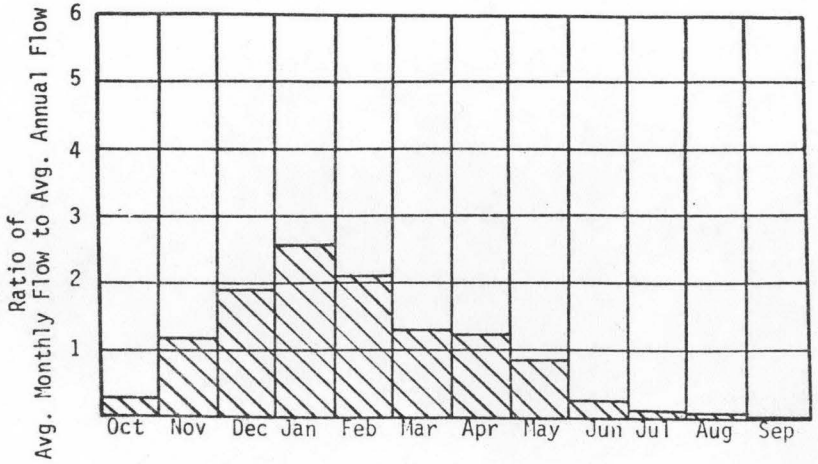
A.	Upstream Elevation of Reach	730	Ft. MSL
B.	Downstream Elevation of Reach	110	Ft. MSL
C.	Total Available Head in Reach	620	Ft.
D.	Average Slope in Reach	111	Ft./Mi.
E.	Drainage Area above Reach Mouth	36	Sq.Mi.
F.	Inflow Classification	Natural	

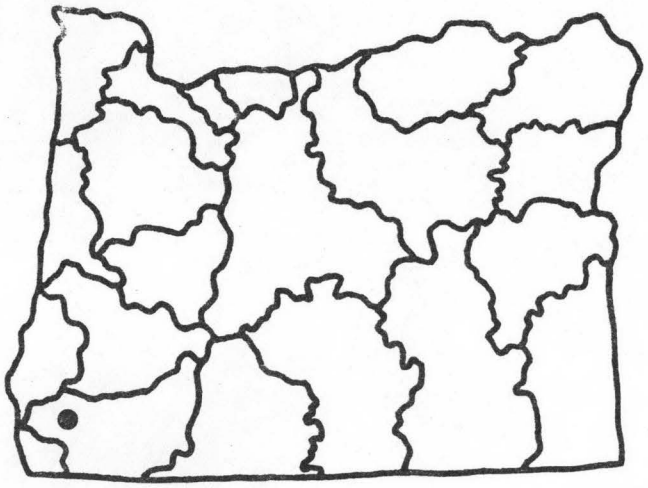
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.6	.56	4.88	1.000
80	22.1	1.16	9.50	.935
50	65.3	3.43	22.42	.746
30	132.8	6.98	34.85	.570
10	277.6	14.59	48.18	.377

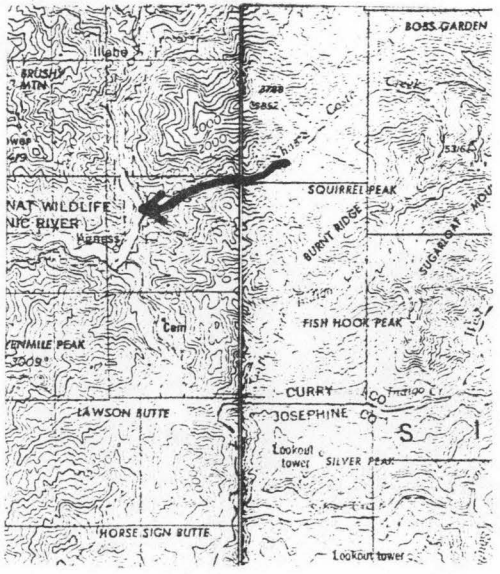
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 131 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-018-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 17, T34S, R10W
D.	Latitude, Longitude	42°39'N, 123°54'W
E.	Stream Name	Shasta Costa Creek
F.	Major Basin Name	Rogue
G.	River Mile	5.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

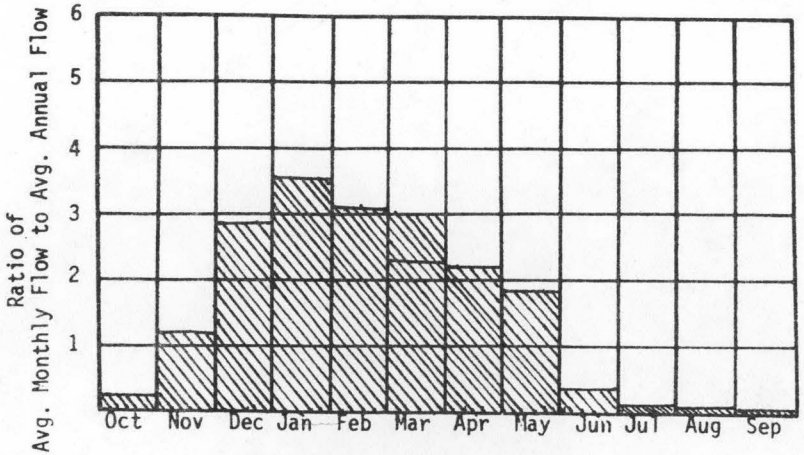
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	17	Sq.Mi.
F.	Inflow Classification	Natural	

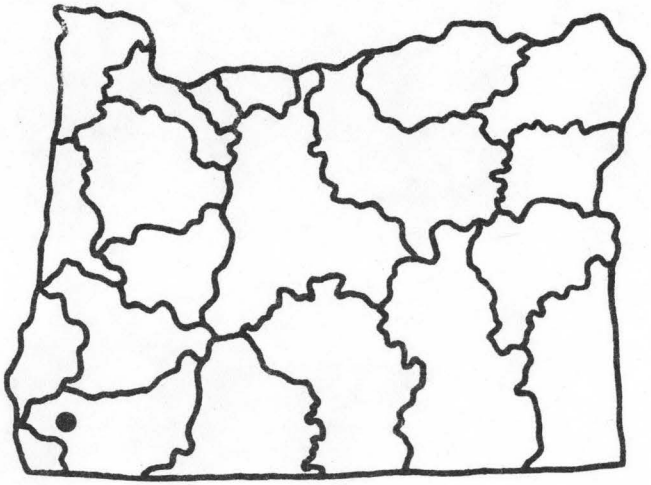
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.6	.04	.32	1.000
80	14.1	.08	.65	.933
50	42.2	.24	1.54	.745
30	87.1	.49	2.42	.567
10	184.0	1.03	3.37	.374

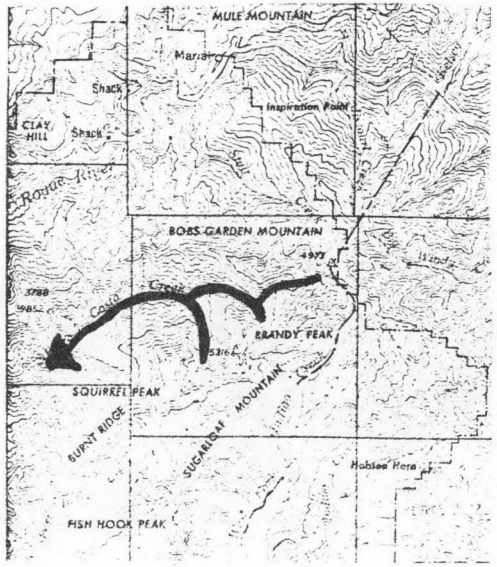
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 86 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 17, T34S, R11W
D.	Latitude, Longitude	42°40'N, 124°02'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	28.9 to 37.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

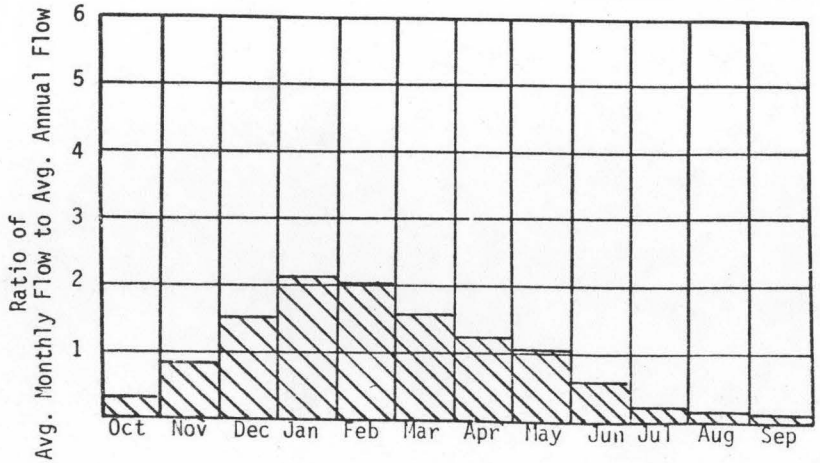
A.	Upstream Elevation of Reach	193	Ft. MSL
B.	Downstream Elevation of Reach	110	Ft. MSL
C.	Total Available Head in Reach	83	Ft.
D.	Average Slope in Reach	9.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	3924	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

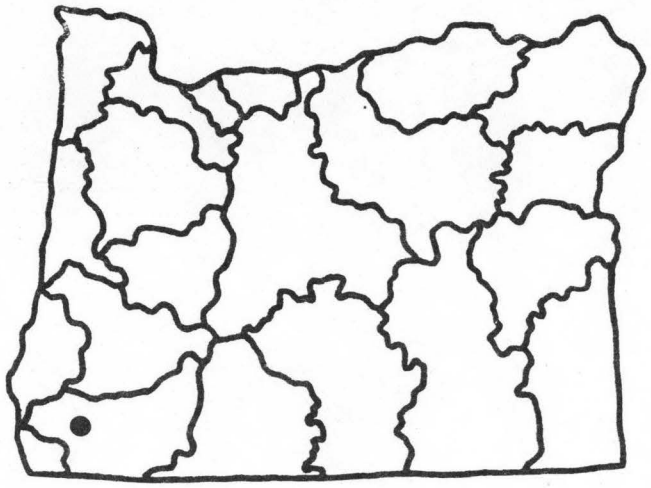
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	998.9	7.03	61.55	1.000
80	1543.3	10.86	90.90	.956
50	4192.3	29.49	197.00	.763
30	7386.5	51.96	275.72	.606
10	13976.8	98.31	356.94	.414

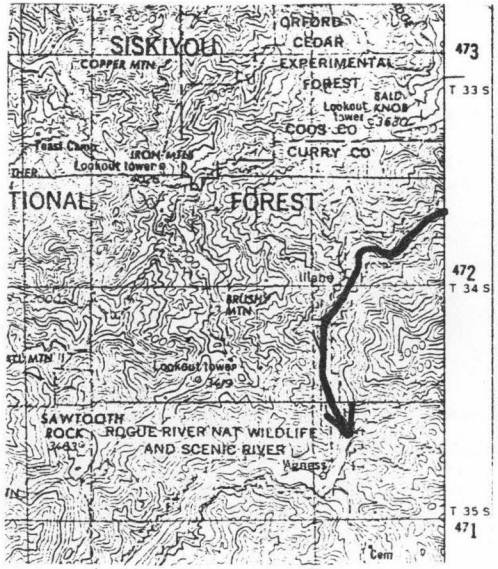
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 7236 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 19, T33S, R10W
D.	Latitude, Longitude	42°43'N, 123°56'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	37.7 to 48.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

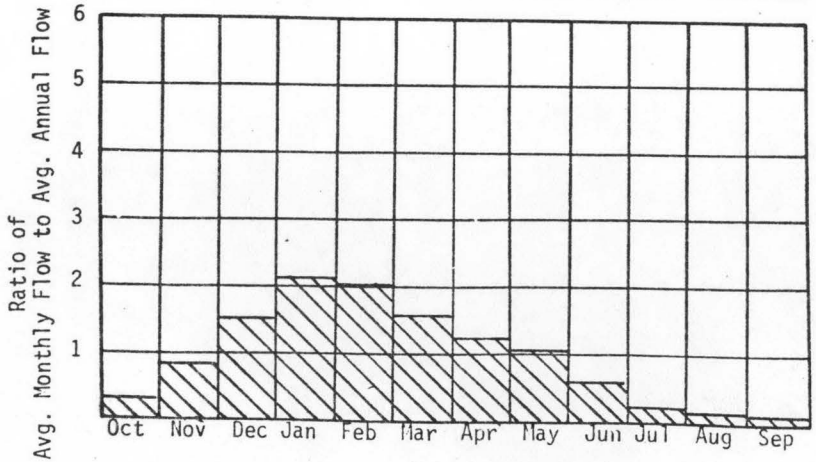
A.	Upstream Elevation of Reach	338	Ft. MSL
B.	Downstream Elevation of Reach	193	Ft. MSL
C.	Total Available Head in Reach	145	Ft.
D.	Average Slope in Reach	13.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	3877	Sq.Mi.
F.	Inflow Classification	Natural	

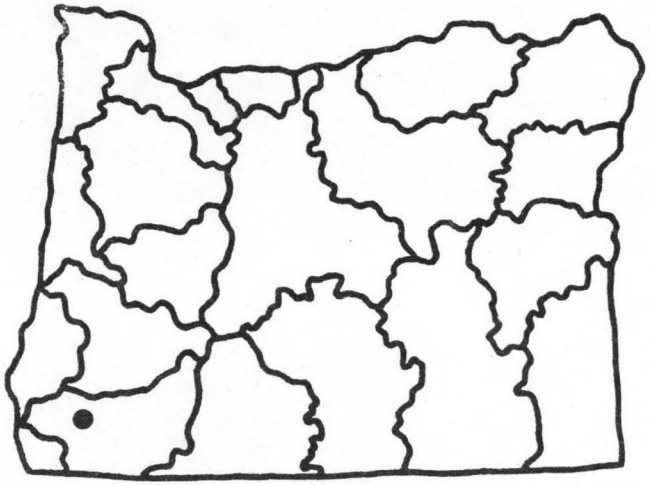
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	969.8	11.92	104.39	1.000
80	1501.3	18.45	154.45	.956
50	4080.3	50.14	334.90	.762
30	7195.9	88.42	469.05	.606
10	13625.0	167.43	607.46	.414

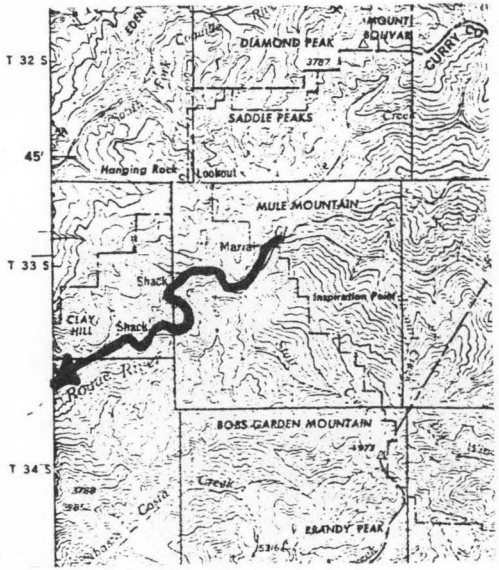
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 7050 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-020-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	T32S, R10W	
D. Latitude, Longitude	42°45'N, 123°51'W	
E. Stream Name	Mule Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

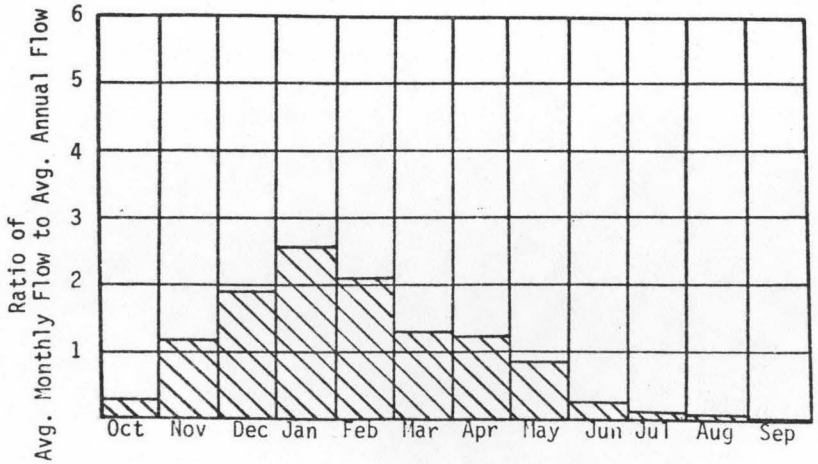
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	28	Sq.Mi.
F. Inflow Classification	Natural	

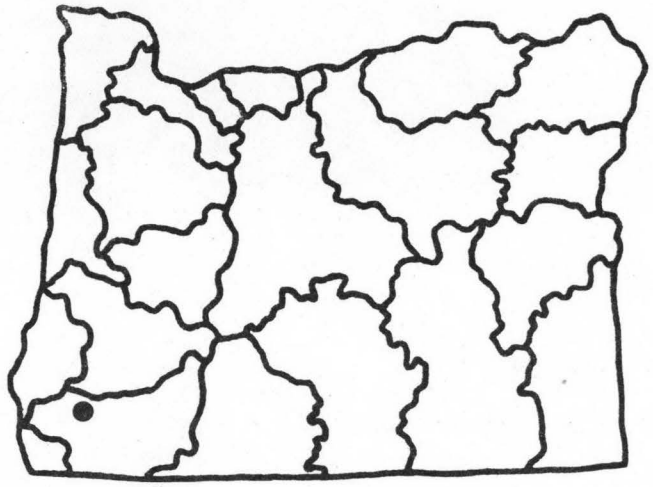
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.7	.04	.38	1.000
80	16.5	.09	.75	.934
50	48.9	.27	1.79	.745
30	100.5	.56	2.80	.568
10	211.6	1.18	3.89	.375

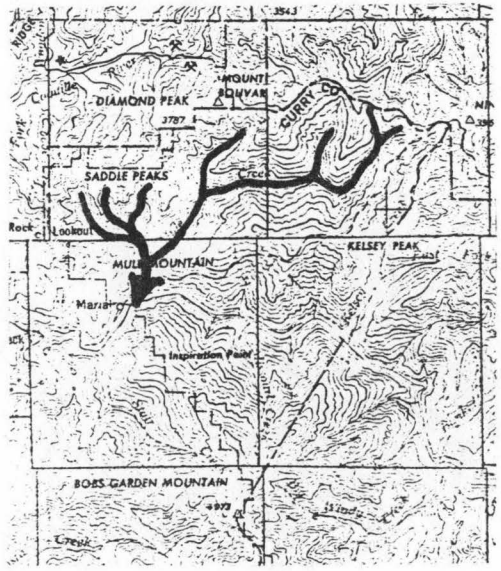
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 99 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0008

I. LOCATION

A. State	Oregon	
B. County	Curry/Josephine	
C. Township, Range	Sec. 16, T33S, R9W	
D. Latitude, Longitude	42°43'N, 123°46'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	48.4 to 60.3	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

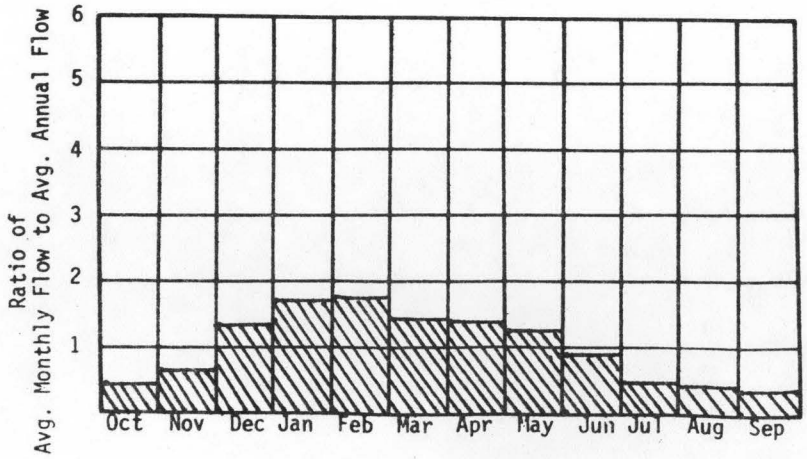
A. Upstream Elevation of Reach	488	Ft. MSL
B. Downstream Elevation of Reach	338	Ft. MSL
C. Total Available Head in Reach	150	Ft.
D. Average Slope in Reach	12.6	Ft./Mi.
E. Drainage Area above Reach Mouth	3805	Sq.Mi.
F. Inflow Classification	Natural	

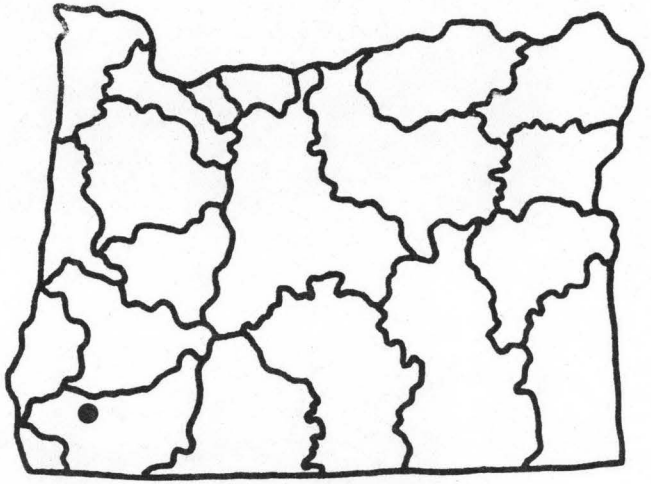
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	920.9	11.71	102.54	1.000
80	1430.4	18.18	152.20	.955
50	3891.5	49.47	330.33	.762
30	6874.2	87.38	463.19	.605
10	13030.7	165.64	600.30	.414

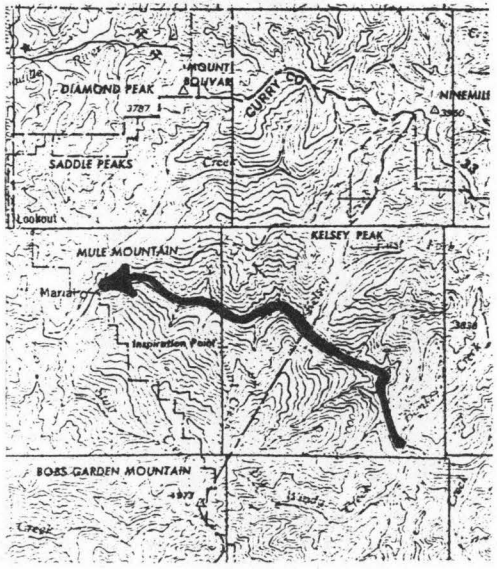
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 6734 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0009

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 33, T33S, R8W
D.	Latitude, Longitude	42°41'N, 123°39'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	60.3 to 68.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

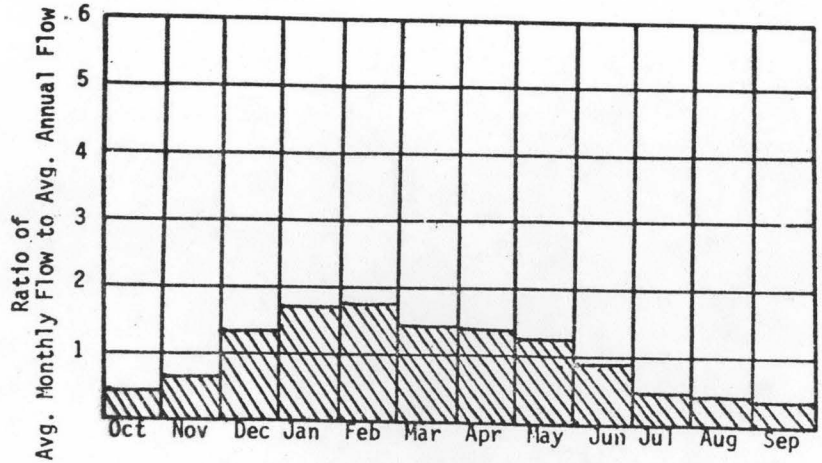
A.	Upstream Elevation of Reach	612	Ft. MSL
B.	Downstream Elevation of Reach	488	Ft. MSL
C.	Total Available Head in Reach	124	Ft.
D.	Average Slope in Reach	15.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	3737	Sq.Mi.
F.	Inflow Classification	Natural	

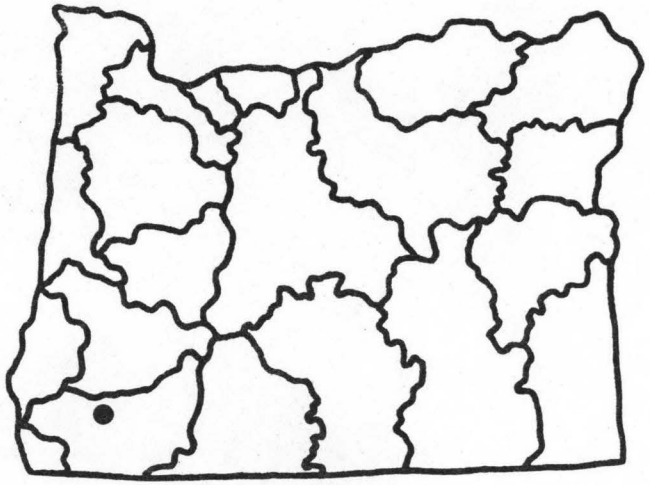
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	881.3	9.26	81.12	1.000
80	1372.9	14.43	120.72	.955
50	3737.9	39.28	262.24	.762
30	6612.1	69.48	368.07	.605
10	12546.0	131.84	477.32	.413

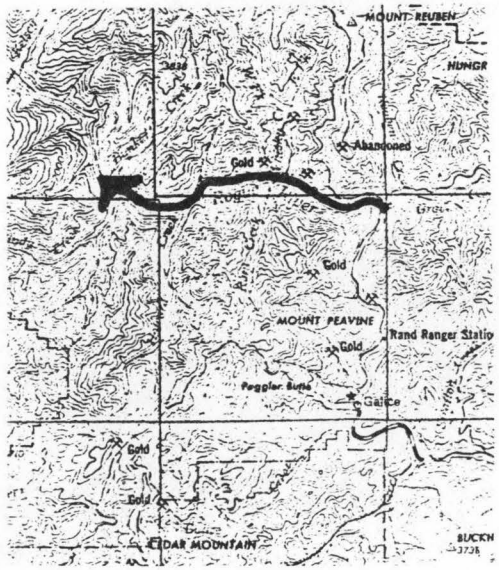
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 6478 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-030-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 33, T33S, R7W	
D. Latitude, Longitude	42°41'N, 123°31'W	
E. Stream Name	Grave Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 9.9	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

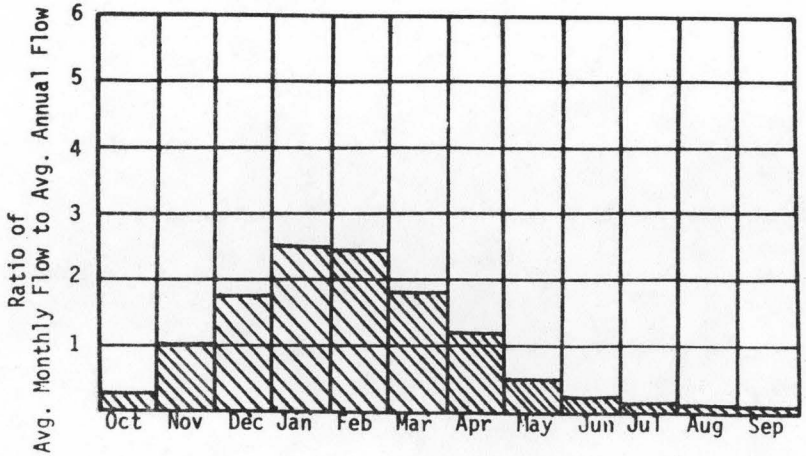
A. Upstream Elevation of Reach	971	Ft. MSL
B. Downstream Elevation of Reach	612	Ft. MSL
C. Total Available Head in Reach	359	Ft.
D. Average Slope in Reach	36	Ft./Mi.
E. Drainage Area above Reach Mouth	164	Sq.Mi.
F. Inflow Classification	Natural	

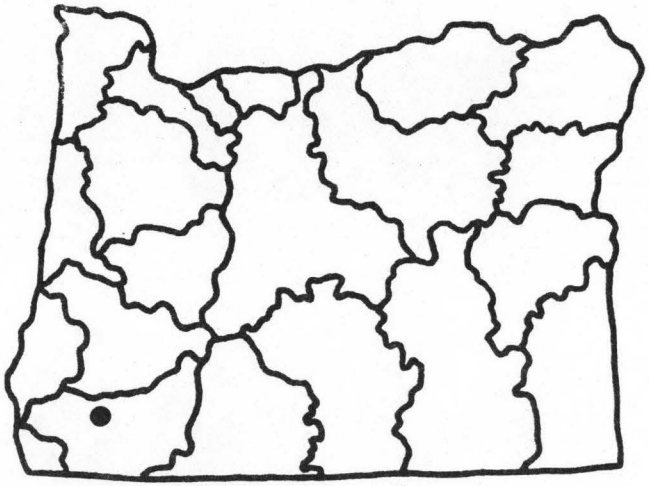
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	27.9	.85	7.45	1.000
80	54.6	1.66	13.67	.939
50	158.5	4.82	31.67	.750
30	312.7	9.51	48.11	.577
10	640.2	19.48	65.56	.384

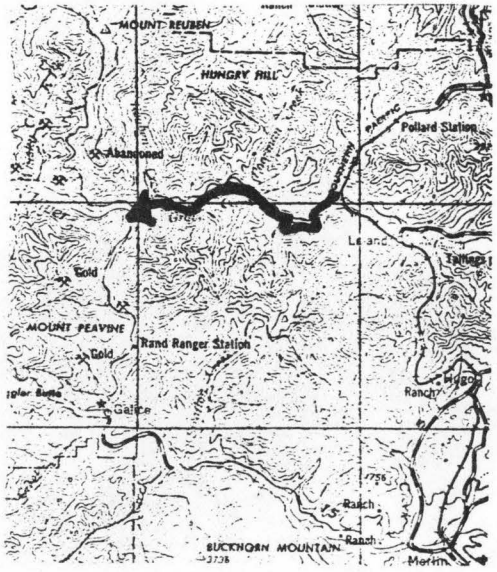
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 308 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-030-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	T33S, R6W
D.	Latitude, Longitude	42°43'N, 123°22'W
E.	Stream Name	Wolf Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

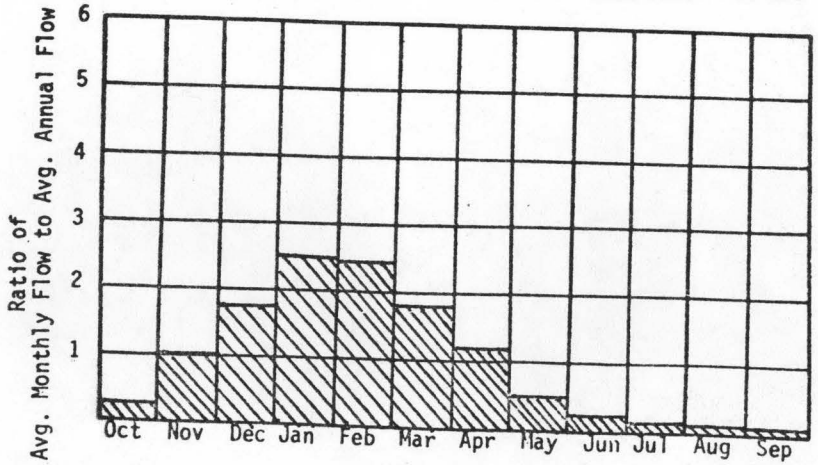
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	44	Sq.Mi.
F.	Inflow Classification	Natural	

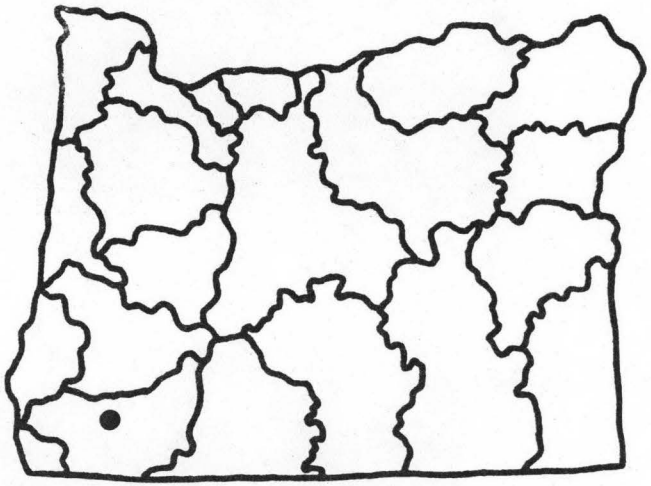
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.4	.04	.32	1.000
80	13.8	.08	.63	.933
50	41.3	.23	1.51	.745
30	85.4	.48	2.37	.567
10	180.5	1.01	3.30	.374

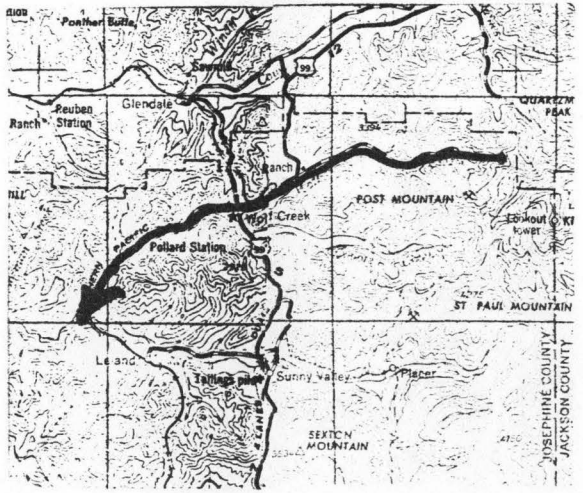
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 84 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-030-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 2, T34S, R6W
D.	Latitude, Longitude	42°39'N, 123°22'W
E.	Stream Name	Grave Creek
F.	Major Basin Name	Rogue
G.	River Mile	9.9 to 24.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

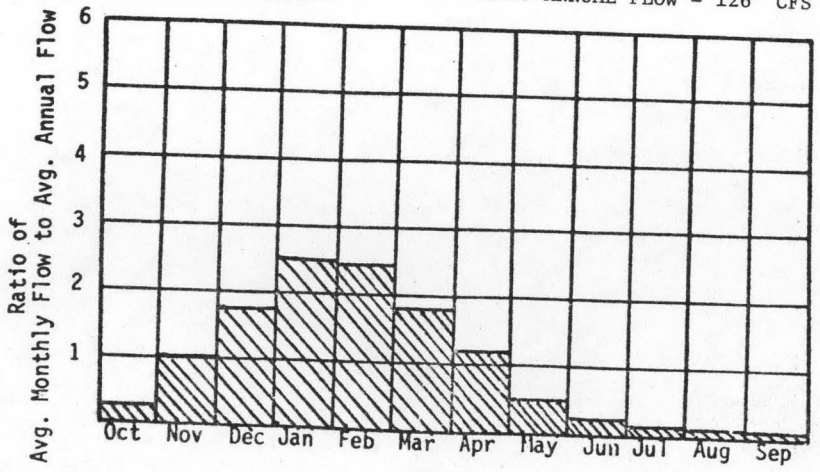
A.	Upstream Elevation of Reach	2225	Ft. MSL
B.	Downstream Elevation of Reach	971	Ft. MSL
C.	Total Available Head in Reach	1254	Ft.
D.	Average Slope in Reach	89	Ft./Mi.
E.	Drainage Area above Reach Mouth	82	Sq.Mi.
F.	Inflow Classification	Natural	

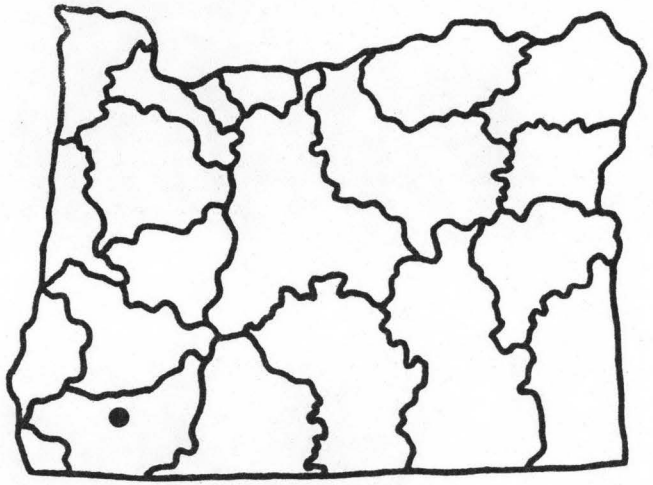
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.1	1.08	9.43	1.000
80	21.2	2.25	18.42	.935
50	62.6	6.65	43.50	.746
30	127.6	13.56	67.68	.570
10	267.0	28.37	93.65	.377

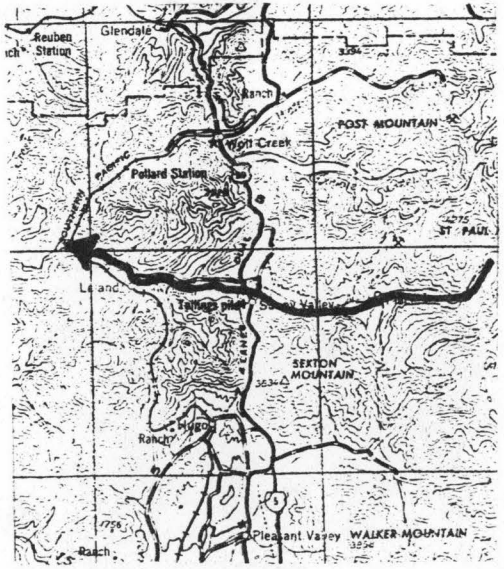
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 126 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

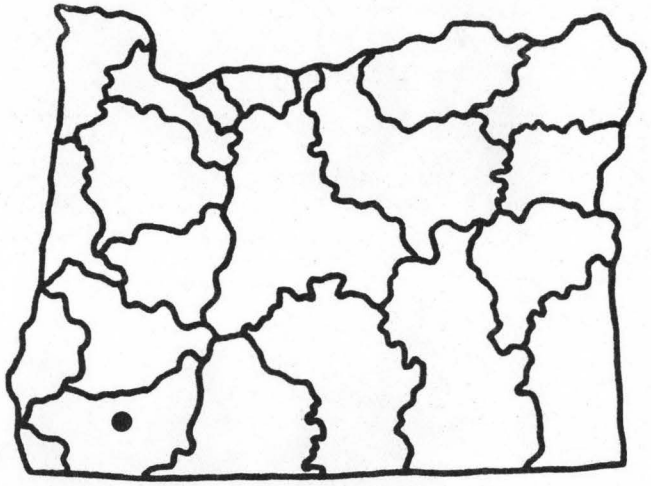


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-030-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Josephine/Jackson
C.	Township, Range	T33S, R4W
D.	Latitude, Longitude	42°42'N, 123°11'W
E.	Stream Name	Grave Creek
F.	Major Basin Name	Rogue
G.	River Mile	24.0 to H.W.



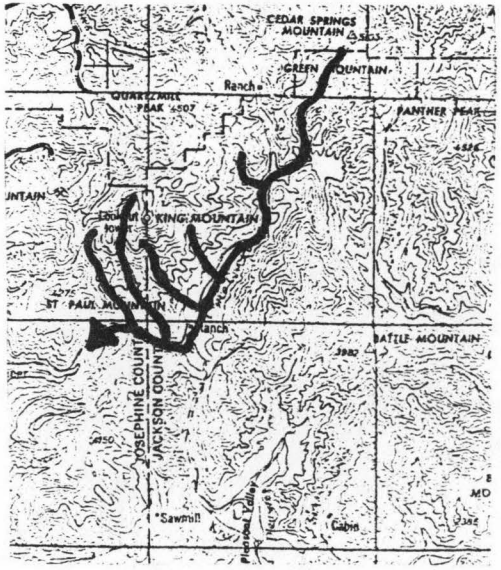
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	33	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

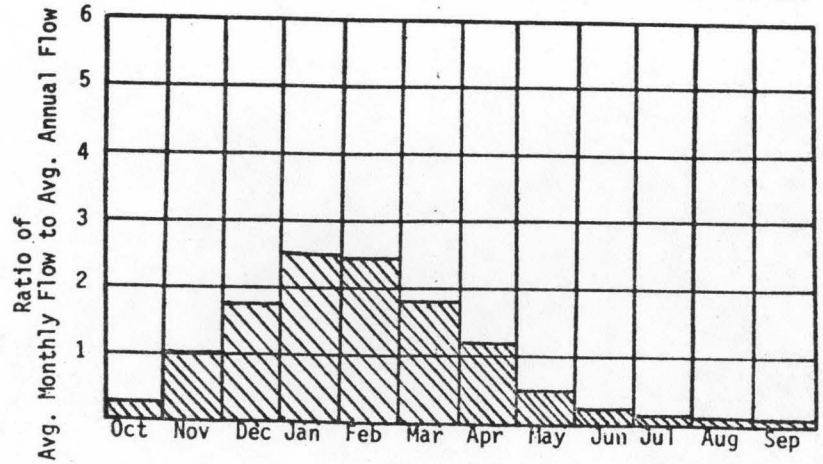
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.9	.03	.29	1.000
80	12.7	.07	.58	.933
50	37.9	.21	1.38	.745
30	78.6	.44	2.18	.566
10	166.5	.93	3.04	.373

U.S.G.S. TOPO. SERIES
1:250.000 SCALE
MAP NAME: MEDFORD



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0010

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 19, T34S, R7W	
D. Latitude, Longitude	43°38'N, 123°35'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	68.4 to 76.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

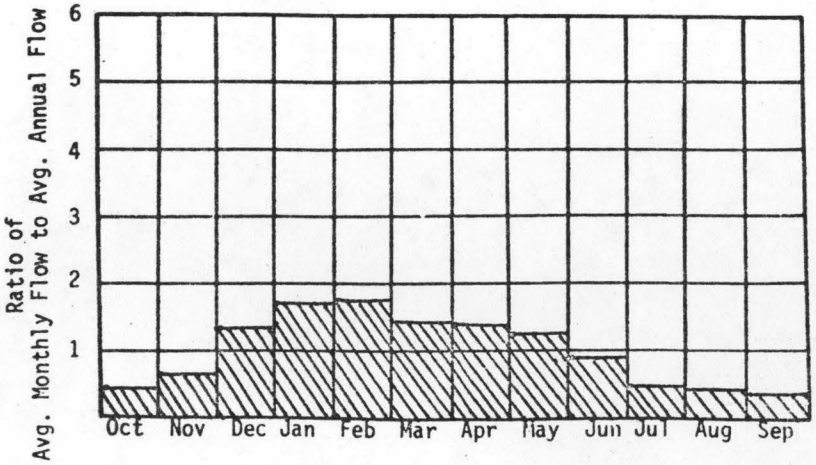
A. Upstream Elevation of Reach	692	Ft. MSL
B. Downstream Elevation of Reach	612	Ft. MSL
C. Total Available Head in Reach	80	Ft.
D. Average Slope in Reach	10.3	Ft./Mi.
E. Drainage Area above Reach Mouth	3507	Sq.Mi.
F. Inflow Classification	Natural	

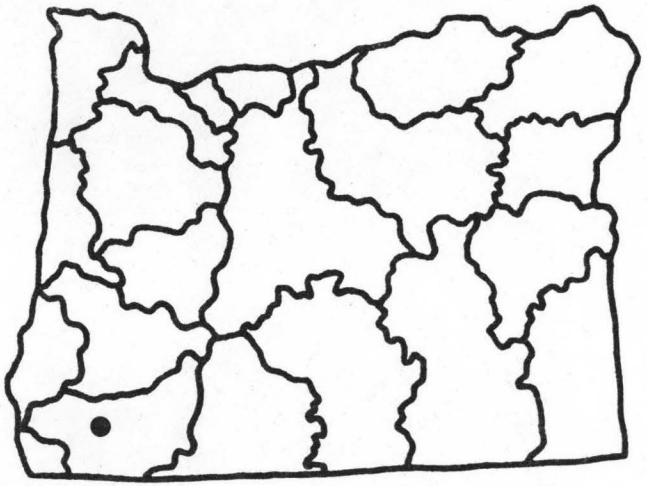
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	800.5	5.43	47.54	1.000
80	1255.0	8.51	71.16	.955
50	3423.0	23.21	154.85	.762
30	6073.4	41.18	217.82	.604
10	11548.3	78.29	282.85	.412

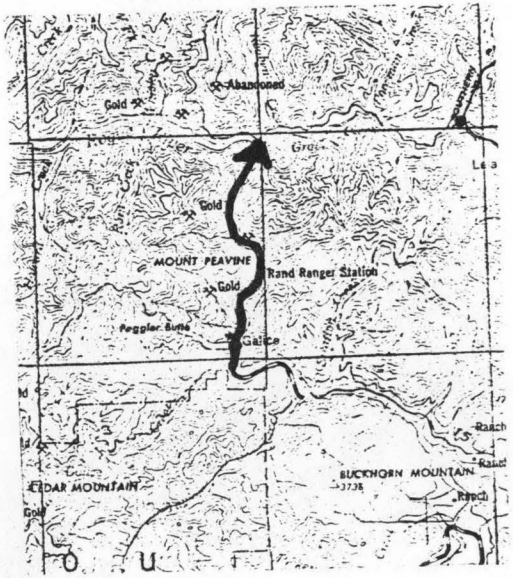
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 5950 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-035-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 4, T35S, R8W
D.	Latitude, Longitude	42°34'N, 123°39'W
E.	Stream Name	Galice Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

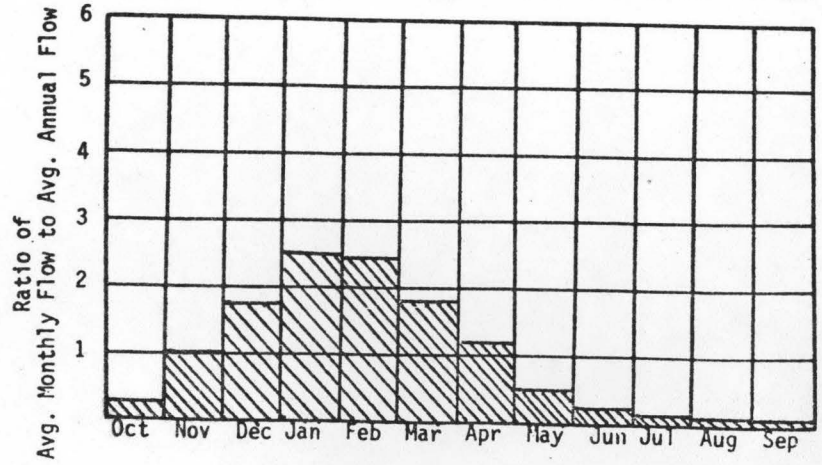
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	23	Sq.Mi.
F.	Inflow Classification	Natural	

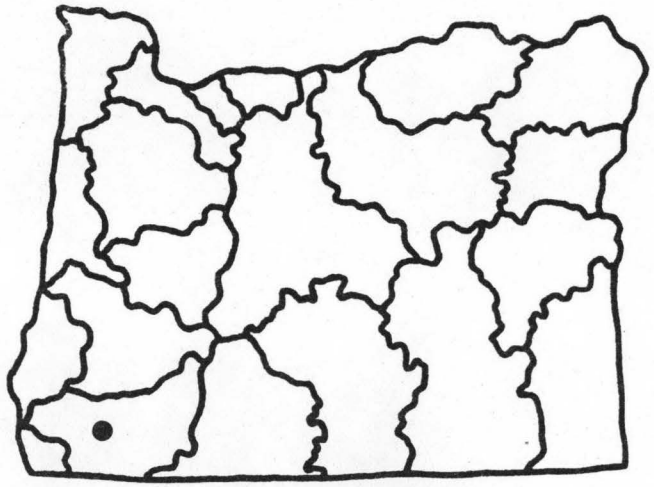
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.8	.04	.33	1.000
80	14.6	.08	.67	.933
50	43.4	.24	1.59	.745
30	89.6	.50	2.49	.567
10	189.2	1.06	3.47	.374

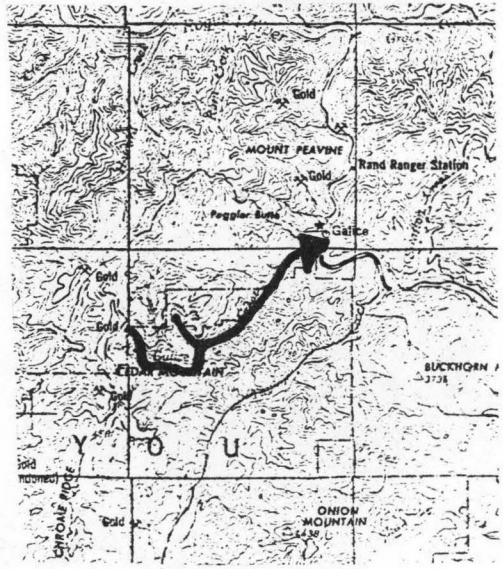
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 88 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0011

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 6, T35S, R7W
D.	Latitude, Longitude	42°36'N, 123°34'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	76.2 to 78.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

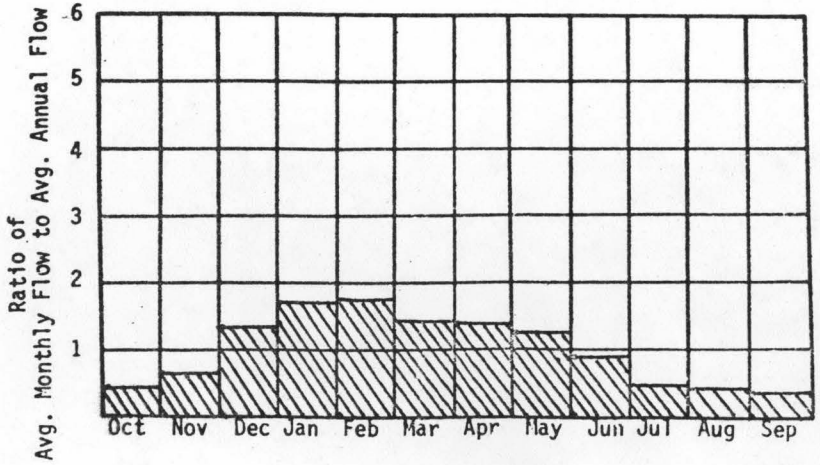
A.	Upstream Elevation of Reach	717	Ft. MSL
B.	Downstream Elevation of Reach	692	Ft. MSL
C.	Total Available Head in Reach	25	Ft.
D.	Average Slope in Reach	9.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	3463	Sq.Mi.
F.	Inflow Classification	Natural	

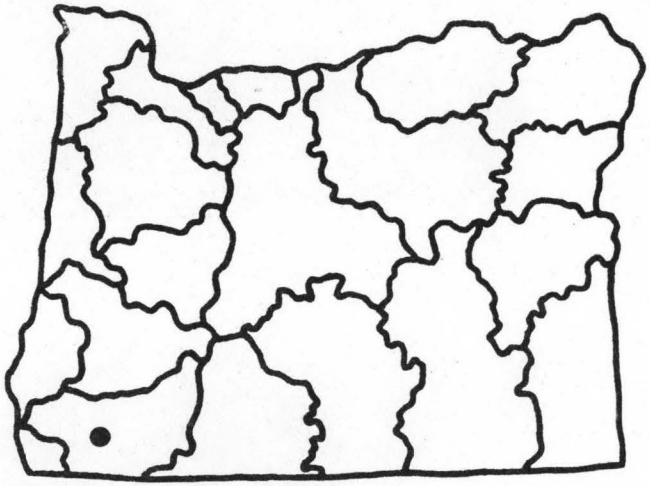
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	780.7	1.65	14.49	1.000
80	1225.9	2.60	21.72	.955
50	3345.4	7.09	47.29	.762
30	5940.4	12.59	66.55	.604
10	11301.5	23.94	86.45	.412

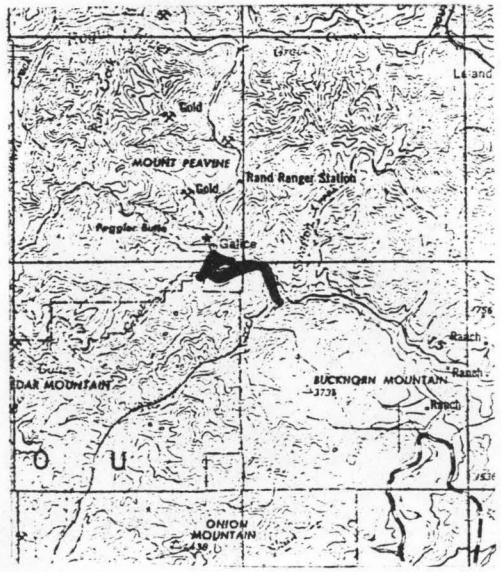
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 5820 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-045-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 23, T35S, R8W
D.	Latitude, Longitude	42°30'N, 123°36'W
E.	Stream Name	Taylor Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

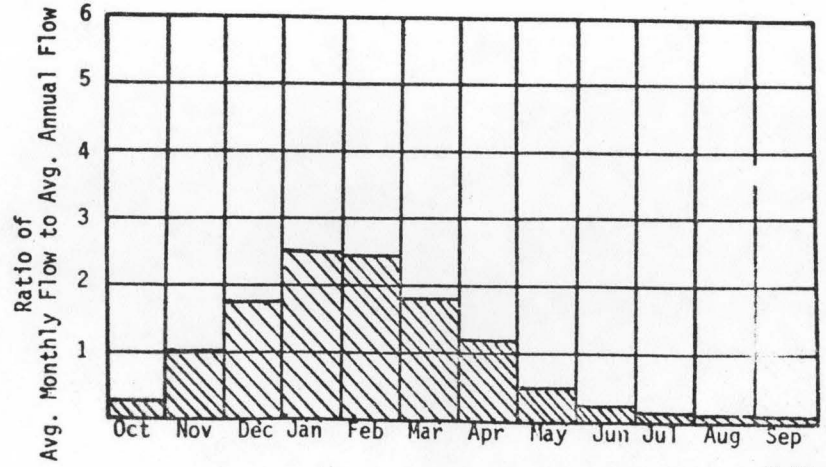
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	26	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

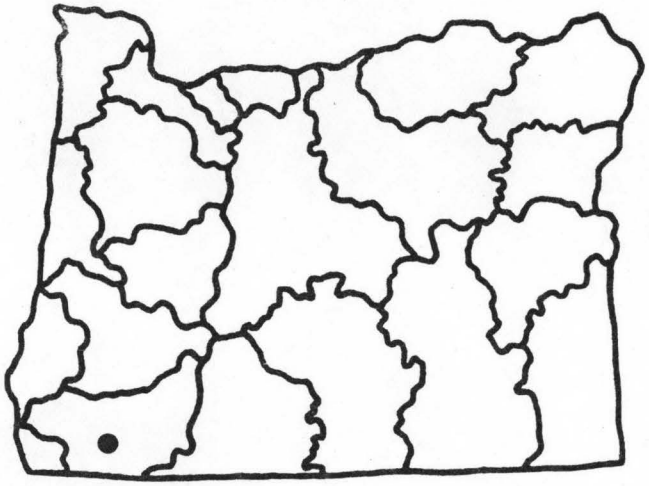
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.2	.03	.30	1.000
80	13.3	.07	.61	.933
50	39.8	.22	1.45	.745
30	82.3	.46	2.28	.567
10	174.1	.97	3.18	.373

IV. TYPICAL ANNUAL HYDROGRAPH

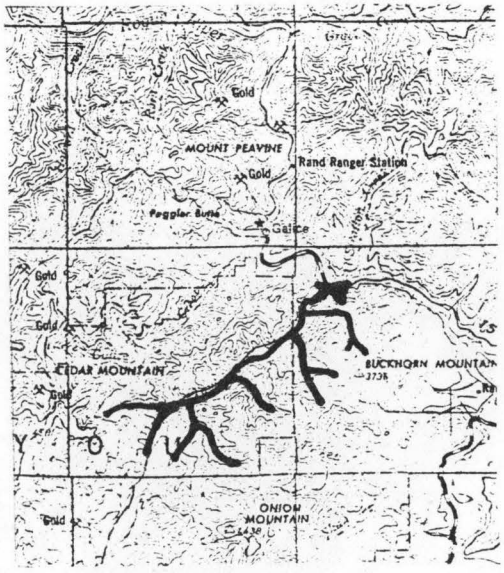
AVG. ANNUAL FLOW = 81 CFS



Q 15-64



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0012

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 10, T35S, R7W
D.	Latitude, Longitude	42°33'N, 123°31'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	78.9 to 83.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

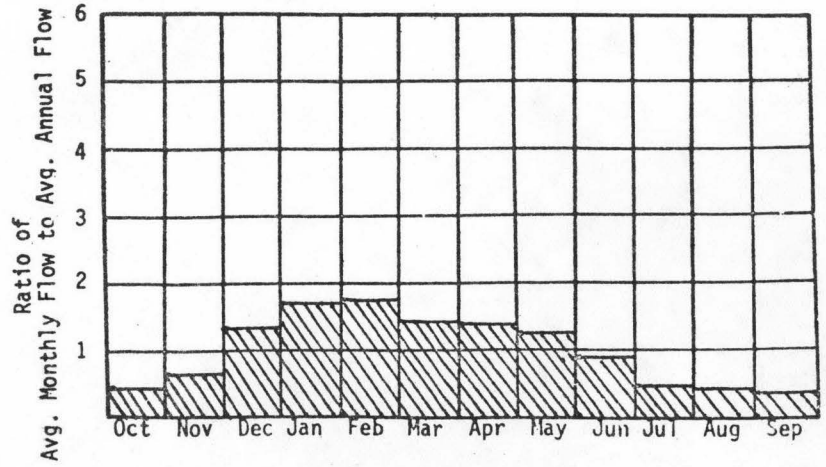
A.	Upstream Elevation of Reach	764	Ft. MSL
B.	Downstream Elevation of Reach	717	Ft. MSL
C.	Total Available Head in Reach	47	Ft.
D.	Average Slope in Reach	10.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	3433	Sq.Mi.
F.	Inflow Classification	Natural	

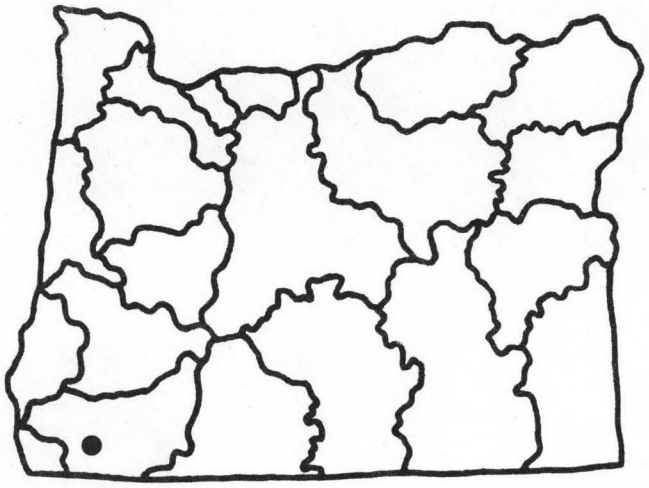
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	763.8	3.04	26.65	1.000
80	1201.2	4.78	40.00	.954
50	3279.1	13.06	87.13	.762
30	5826.8	23.21	122.69	.603
10	11090.8	44.18	159.42	.412

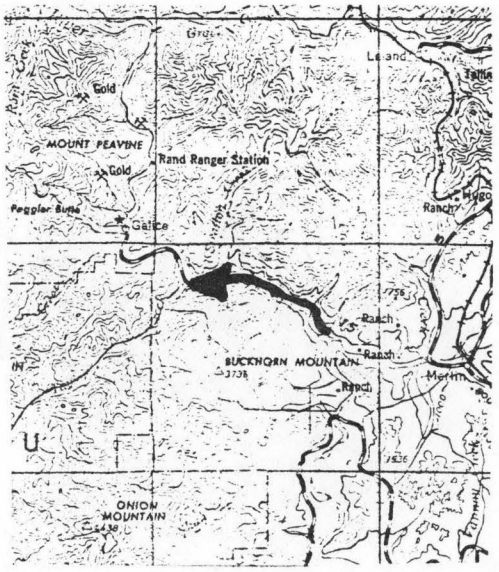
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 5010 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-050-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 24, T35S, R7W
D.	Latitude, Longitude	42°32'N, 123°31'W
E.	Stream Name	Jump-off Joe Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 6.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

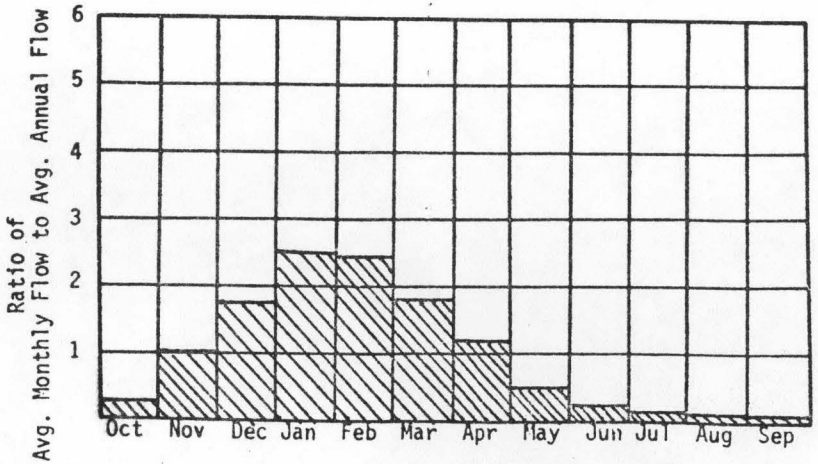
A.	Upstream Elevation of Reach	950	Ft. MSL
B.	Downstream Elevation of Reach	764	Ft. MSL
C.	Total Available Head in Reach	186	Ft.
D.	Average Slope in Reach	29.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	108	Sq.Mi.
F.	Inflow Classification	Natural	

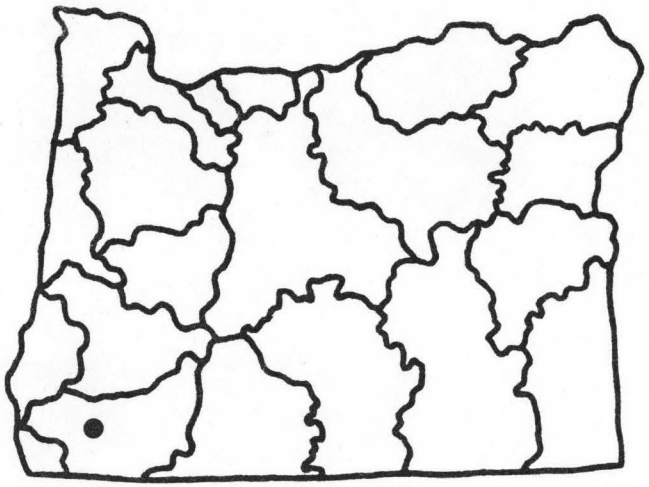
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.2	.16	1.41	1.000
80	21.3	.34	2.75	.935
50	62.9	.99	6.48	.746
30	128.1	2.02	10.09	.570
10	268.2	4.23	13.95	.377

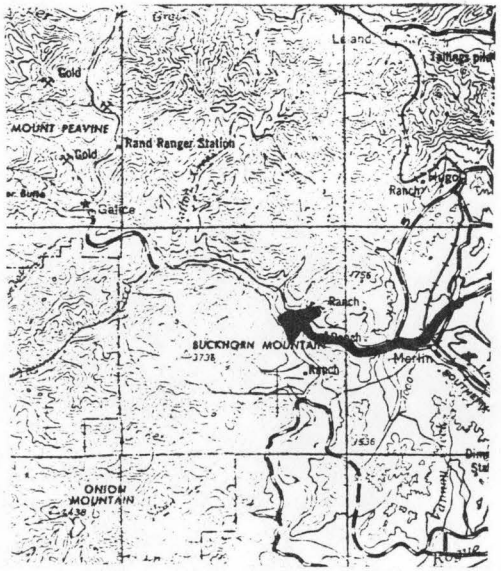
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 126 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-050-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 4, T35S, R5W
D.	Latitude, Longitude	42°34'N, 123°17'W
E.	Stream Name	Jump-off Joe Creek
F.	Major Basin Name	Rogue
G.	River Mile	6.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

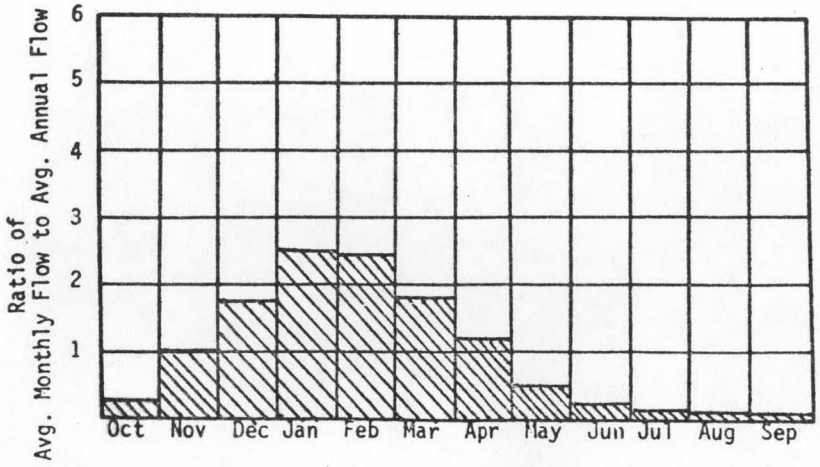
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	41	Sq.Mi.
F.	Inflow Classification	Natural	

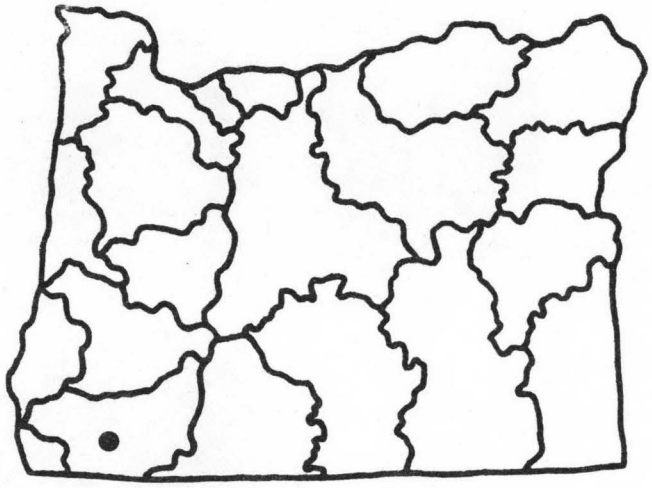
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.4	.03	.27	1.000
80	11.8	.07	.54	.932
50	35.3	.20	1.29	.744
30	73.3	.41	2.03	.566
10	155.7	.87	2.84	.372

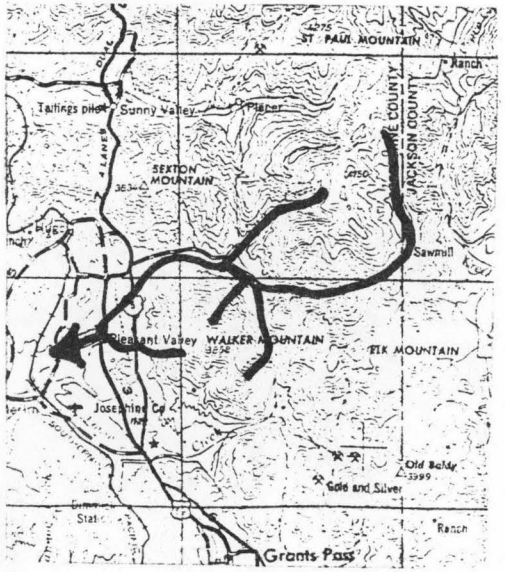
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 72 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0013

I. LOCATION

A. State	Oregon	
B. County	Josephine	
C. Township, Range	Sec. 2, T36S, R7W	
D. Latitude, Longitude	42°27'N, 123°30'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	83.4 to 94.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

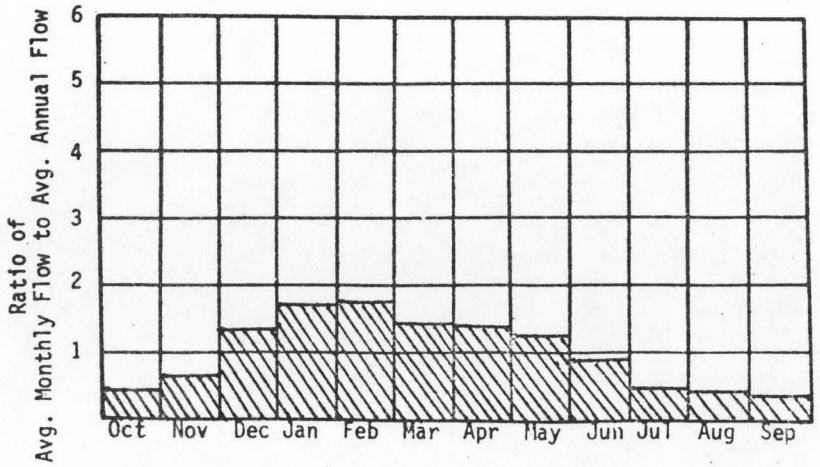
A. Upstream Elevation of Reach	854	Ft. MSL
B. Downstream Elevation of Reach	764	Ft. MSL
C. Total Available Head in Reach	90	Ft.
D. Average Slope in Reach	8	Ft./Mi.
E. Drainage Area above Reach Mouth	3306	Sq.Mi.
F. Inflow Classification	Natural	

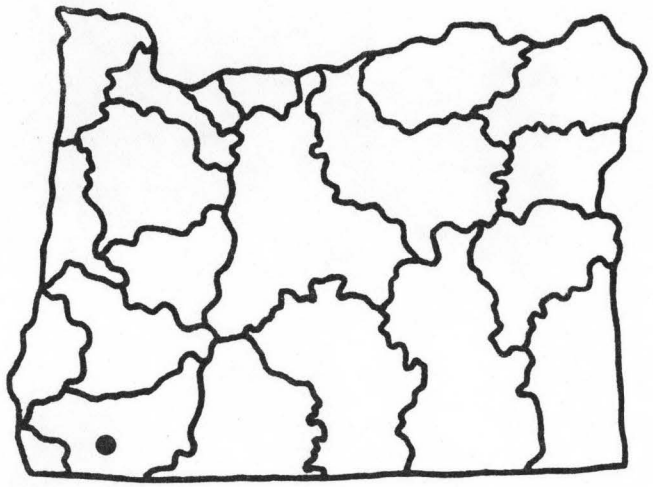
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	725.3	5.53	48.46	1.000
80	1144.4	8.73	72.96	.954
50	3127.2	23.85	159.07	.761
30	5566.0	42.45	224.25	.603
10	10606.4	80.90	291.60	.411

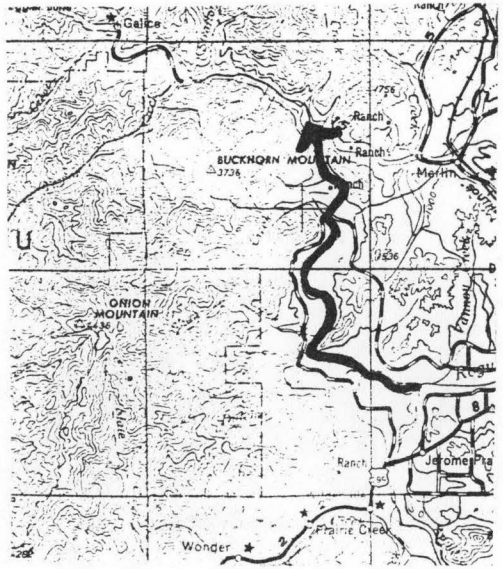
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 5454 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 30, T36S, R6W
D.	Latitude, Longitude	42°24'N, 123°27'W
E.	Stream Name	Applegate River
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 3.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

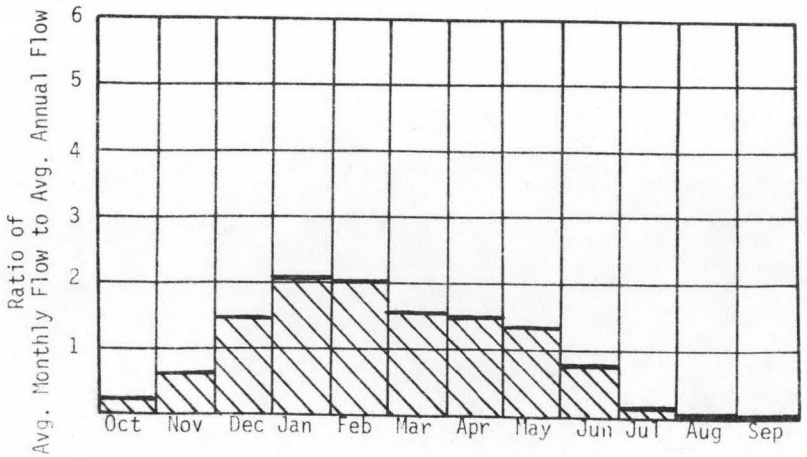
A.	Upstream Elevation of Reach	890	Ft. MSL
B.	Downstream Elevation of Reach	854	Ft. MSL
C.	Total Available Head in Reach	36	Ft.
D.	Average Slope in Reach	12	Ft./Mi.
E.	Drainage Area above Reach Mouth	767	Sq.Mi.
F.	Inflow Classification	Natural	

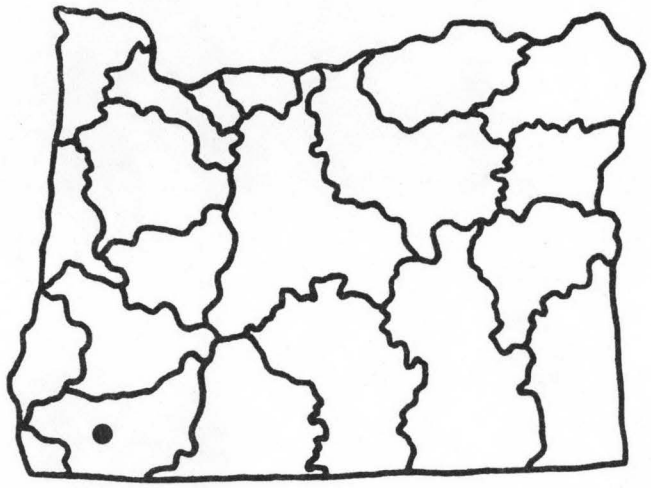
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	165.3	.50	4.42	1.000
80	287.4	.88	7.27	.947
50	807.2	2.46	16.30	.756
30	1505.5	4.59	23.77	.591
10	2963.7	9.04	31.56	.398

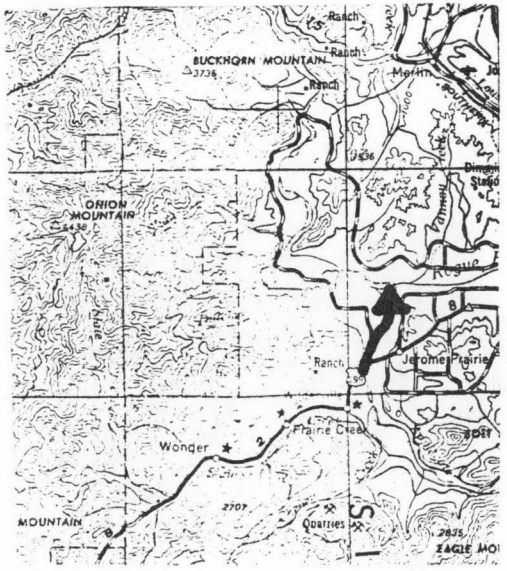
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1478 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 9, T37S, R7W
D.	Latitude, Longitude	42°22'N, 123°33'W
E.	Stream Name	Slate Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

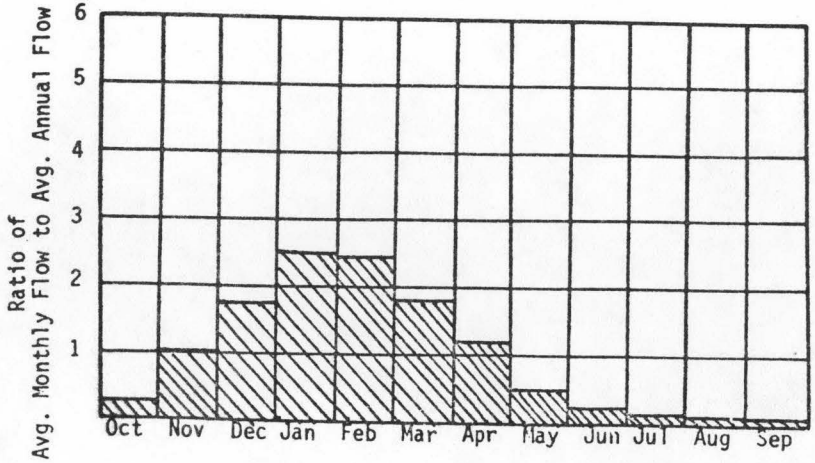
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	44	Sq.Mi.
F.	Inflow Classification	Natural	

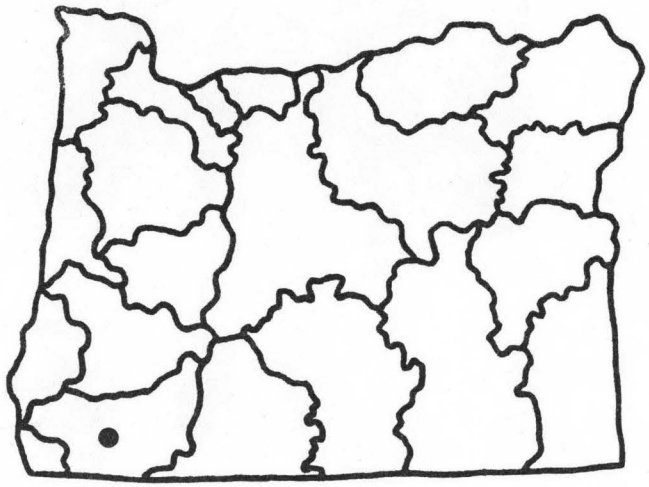
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.9	.03	.29	1.000
80	12.8	.07	.59	.933
50	38.3	.21	1.40	.745
30	79.4	.44	2.20	.566
10	168.2	.94	3.07	.373

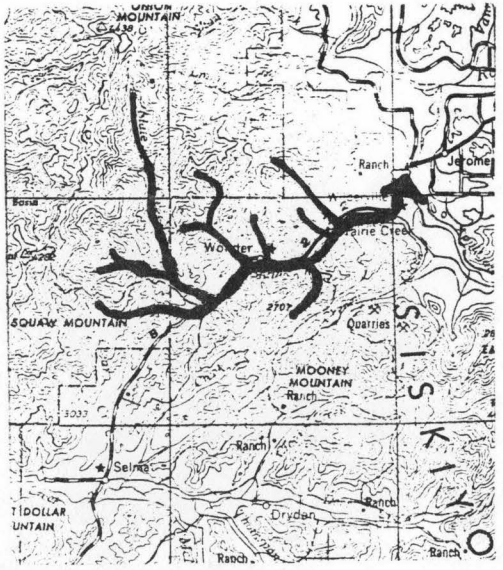
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 78 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 15, T37S, R6W
D.	Latitude, Longitude	42°21'N, 123°24'W
E.	Stream Name	Applegate River
F.	Major Basin Name	Rogue
G.	River Mile	3.0 to 12.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

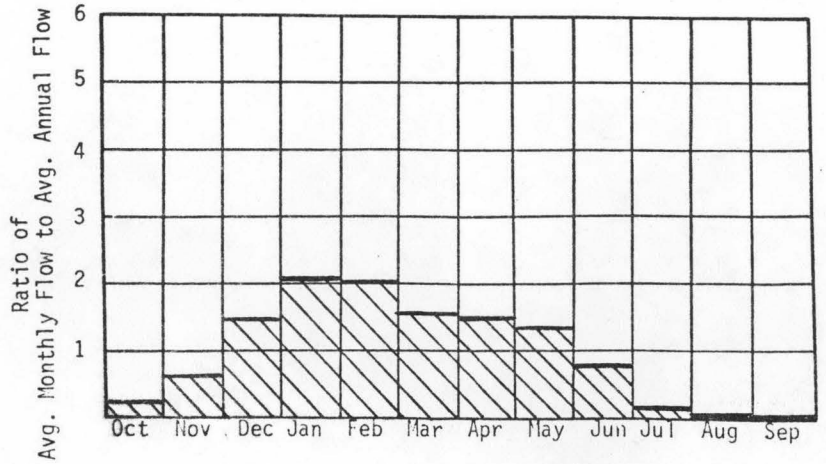
A.	Upstream Elevation of Reach	1030	Ft. MSL
B.	Downstream Elevation of Reach	890	Ft. MSL
C.	Total Available Head in Reach	140	Ft.
D.	Average Slope in Reach	14.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	715	Sq.Mi.
F.	Inflow Classification	Natural	

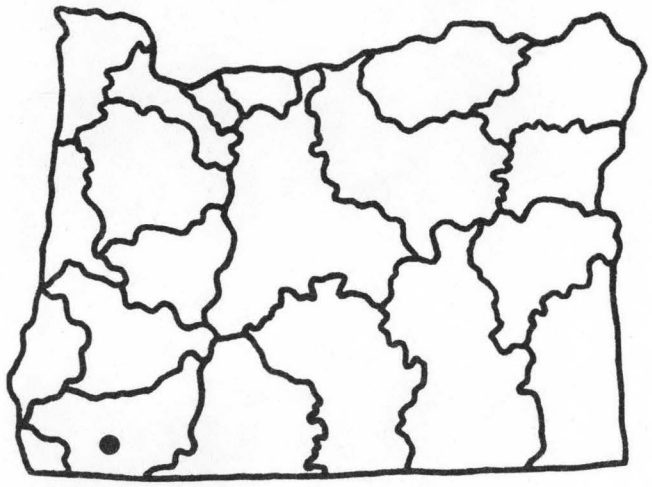
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	150.1	1.78	15.60	1.000
80	262.6	3.12	25.83	.946
50	738.9	8.77	58.01	.755
30	1382.3	16.40	84.76	.590
10	2726.9	32.35	112.71	.398

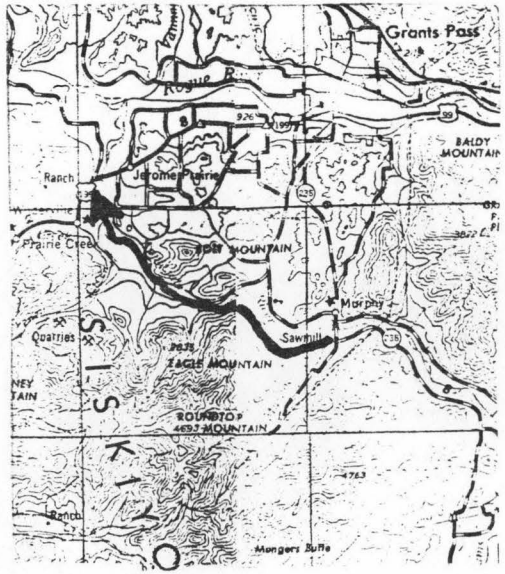
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 56 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 27, T37S, R5W
D.	Latitude, Longitude	42°20'N, 123°17'W
E.	Stream Name	Applegate River
F.	Major Basin Name	Rogue
G.	River Mile	12.6 to 19.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

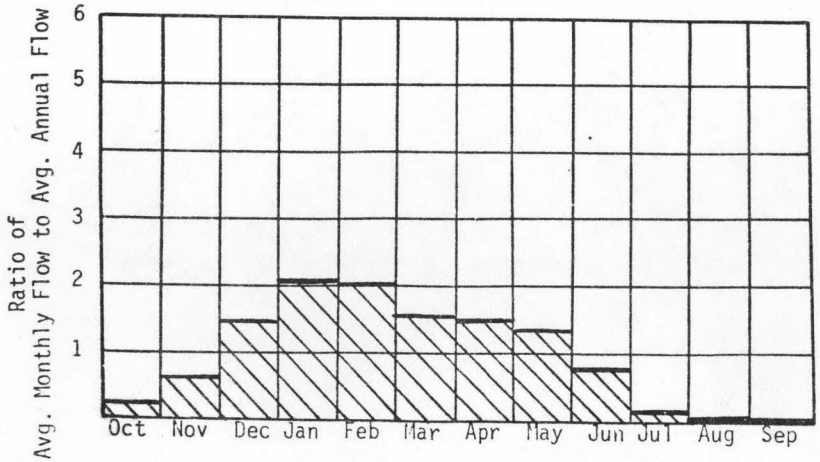
A.	Upstream Elevation of Reach	1137	Ft. MSL
B.	Downstream Elevation of Reach	1030	Ft. MSL
C.	Total Available Head in Reach	107	Ft.
D.	Average Slope in Reach	15.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	659	Sq.Mi.
F.	Inflow Classification	Natural	

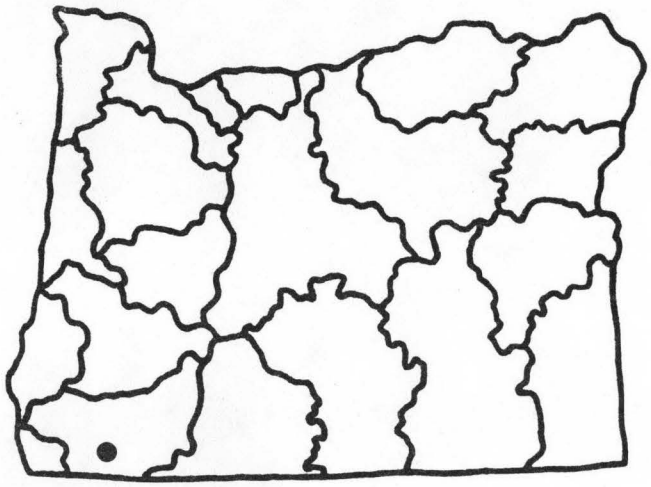
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	142.8	1.29	11.34	1.000
80	250.7	2.27	18.84	.946
50	705.9	6.40	42.35	.755
30	1322.7	11.99	61.94	.590
10	2612.2	23.69	82.43	.397

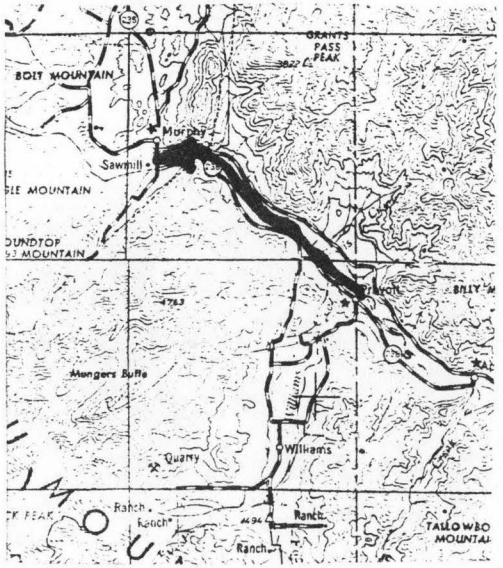
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1298 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-010-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 3, T39S, R5W
D.	Latitude, Longitude	42°13'N, 123°16'W
E.	Stream Name	Williams Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 7.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

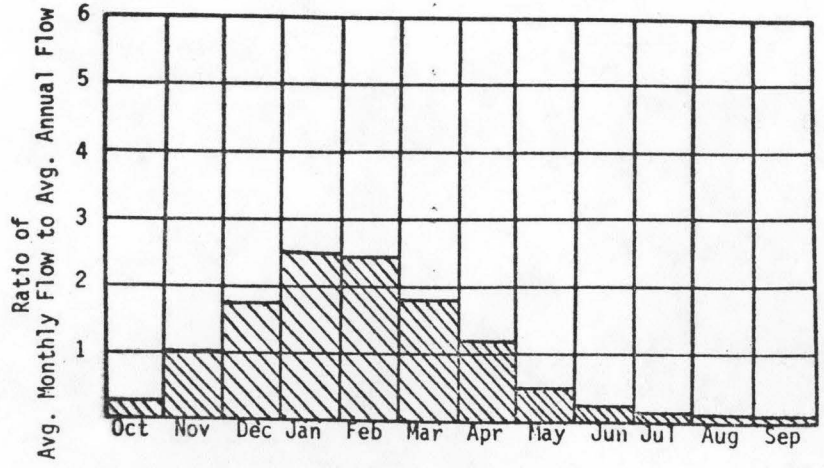
A.	Upstream Elevation of Reach	1400	Ft. MSL
B.	Downstream Elevation of Reach	1137	Ft. MSL
C.	Total Available Head in Reach	263	Ft.
D.	Average Slope in Reach	33.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	84	Sq.Mi.
F.	Inflow Classification	Natural	

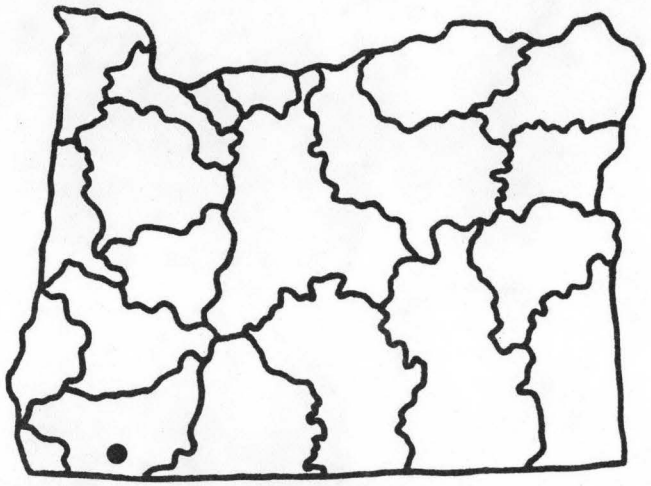
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.0	.20	1.75	1.000
80	18.9	.42	3.45	.934
50	56.1	1.25	8.17	.746
30	114.7	2.56	12.75	.569
10	240.8	5.37	17.67	.376

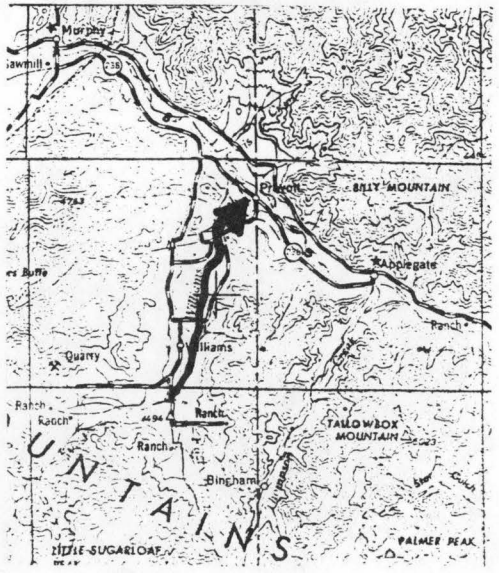
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 113 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-010-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Josephine
C.	Township, Range	Sec. 7, T39S, R5W
D.	Latitude, Longitude	42°11'N, 123°20'W
E.	Stream Name	Williams Creek
F.	Major Basin Name	Rogue
G.	River Mile	7.8 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

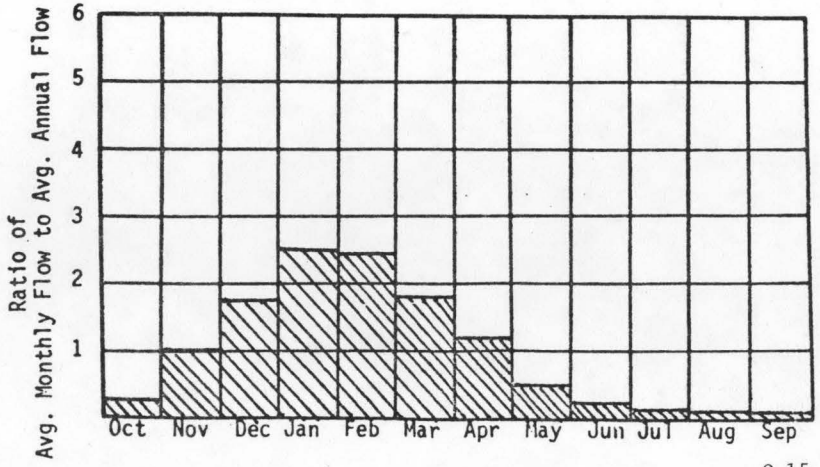
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	50	Sq.Mi.
F.	Inflow Classification	Natural	

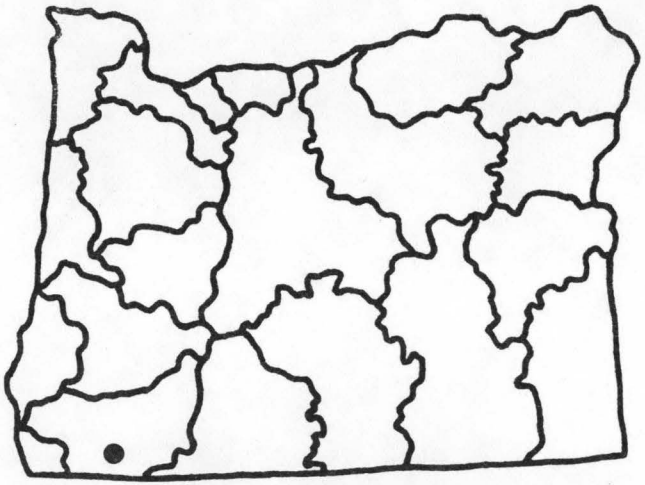
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.7	.04	.33	1.000
80	14.3	.08	.65	.933
50	42.6	.24	1.55	.745
30	87.9	.49	2.44	.567
10	185.7	1.04	3.40	.374

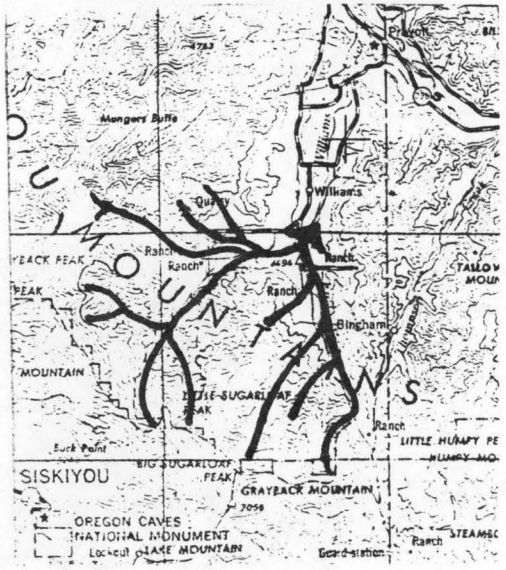
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 87 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 17, T38S, R4W
D.	Latitude, Longitude	42°16'N, 123°12'W
E.	Stream Name	Applegate River
F.	Major Basin Name	Rogue
G.	River Mile	19.5 to 25.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

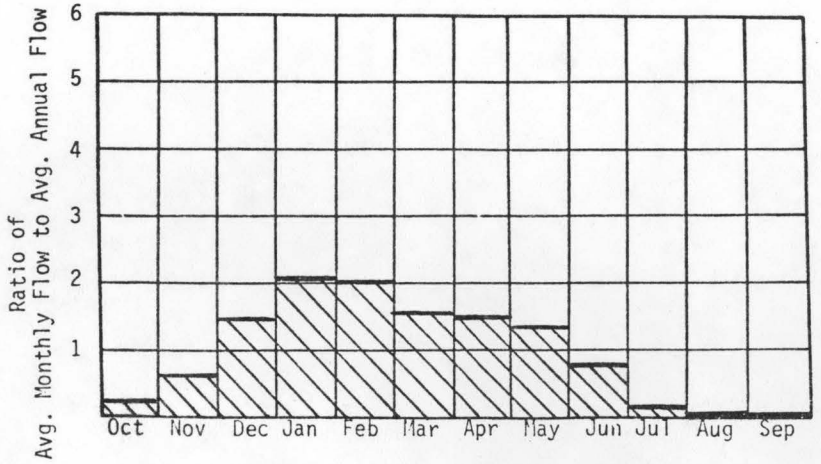
A.	Upstream Elevation of Reach	1256	Ft. MSL
B.	Downstream Elevation of Reach	1137	Ft. MSL
C.	Total Available Head in Reach	119	Ft.
D.	Average Slope in Reach	19.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	543	Sq.Mi.
F.	Inflow Classification	Natural	

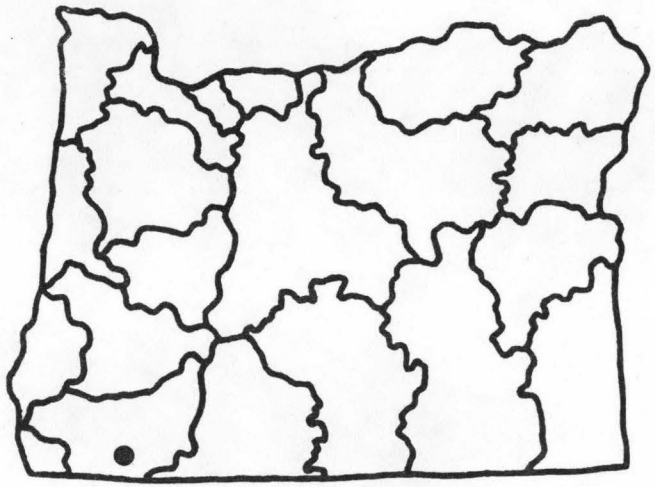
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	121.2	1.22	10.71	1.000
80	215.1	2.17	17.96	.945
50	607.6	6.13	40.50	.755
30	1144.3	11.54	59.47	.588
10	2268.1	22.87	79.32	.396

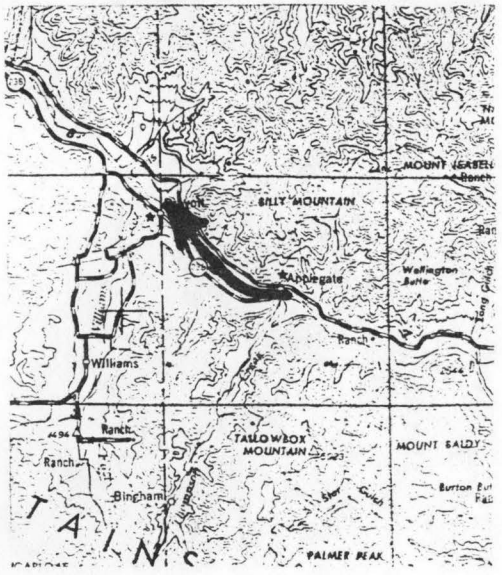
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1123 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-000-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 30, T38S, R3W	
D. Latitude, Longitude	42°15'N, 123°07'W	
E. Stream Name	Applegate River	
F. Major Basin Name	Rogue	
G. River Mile	25.6 to 34.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

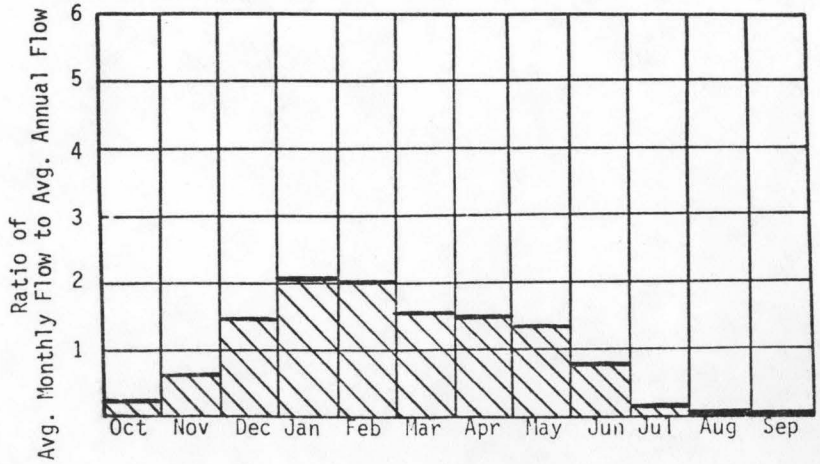
A. Upstream Elevation of Reach	1460	Ft. MSL
B. Downstream Elevation of Reach	1256	Ft. MSL
C. Total Available Head in Reach	204	Ft.
D. Average Slope in Reach	24	Ft./Mi.
E. Drainage Area above Reach Mouth	494	Sq.Mi.
F. Inflow Classification	Natural	

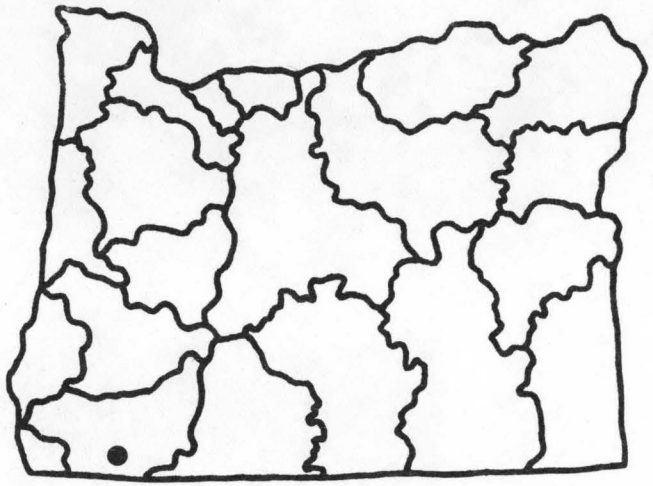
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	63.5	1.10	9.62	1.000
80	117.6	2.03	16.79	.943
50	336.3	5.81	38.32	.752
30	646.5	11.18	57.11	.583
10	1299.8	22.47	76.90	.391

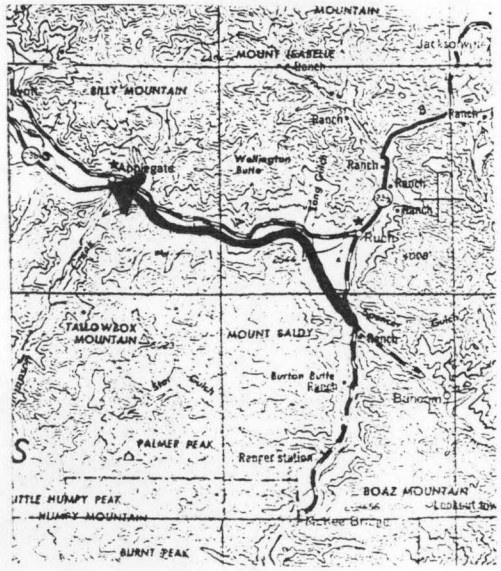
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 635 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-020-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 11, T39S, R3W	
D. Latitude, Longitude	42°11'N, 123°01'W	
E. Stream Name	Little Applegate River	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 3.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

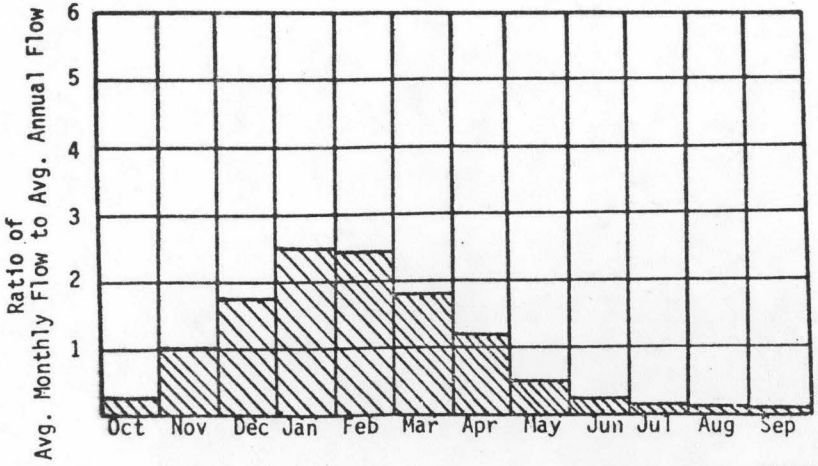
A. Upstream Elevation of Reach	1643	Ft. MSL
B. Downstream Elevation of Reach	1460	Ft. MSL
C. Total Available Head in Reach	183	Ft.
D. Average Slope in Reach	61	Ft./Mi.
E. Drainage Area above Reach Mouth	112	Sq.Mi.
F. Inflow Classification	Natural	

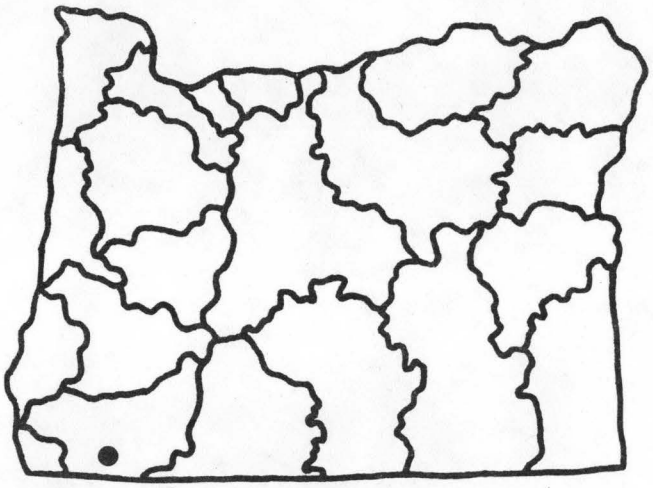
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.9	.14	1.21	1.000
80	18.8	.29	2.39	.934
50	55.7	.86	5.65	.746
30	114.0	1.77	8.81	.569
10	239.3	3.71	12.22	.376

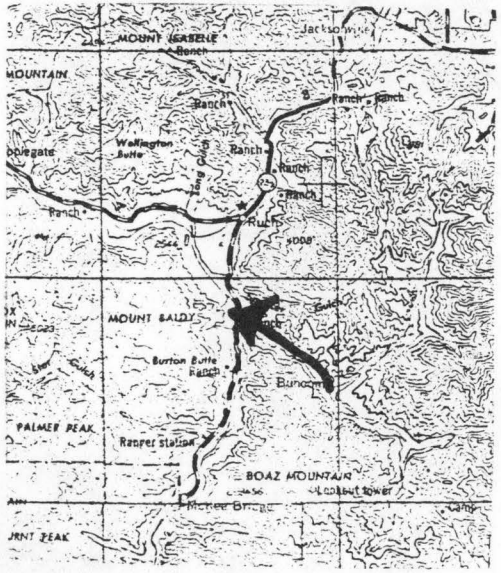
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

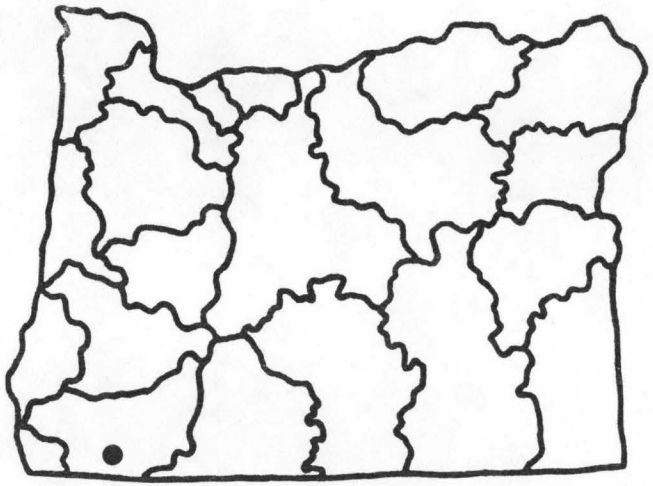


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-020-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 31, T39S, R1W
D.	Latitude, Longitude	42°08'N, 122°52'W
E.	Stream Name	Little Applegate River
F.	Major Basin Name	Rogue
G.	River Mile	3.0 to H.W.



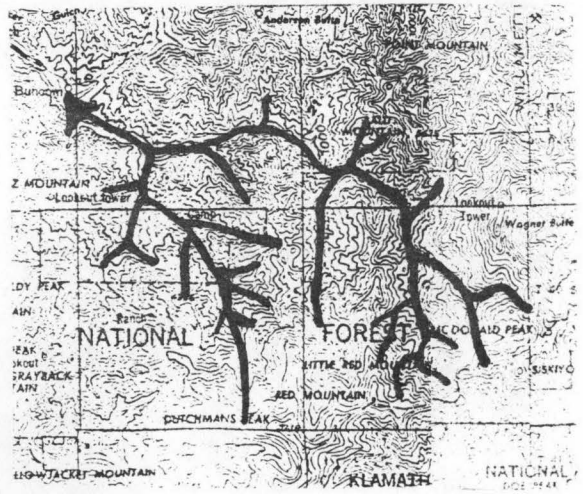
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	89	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

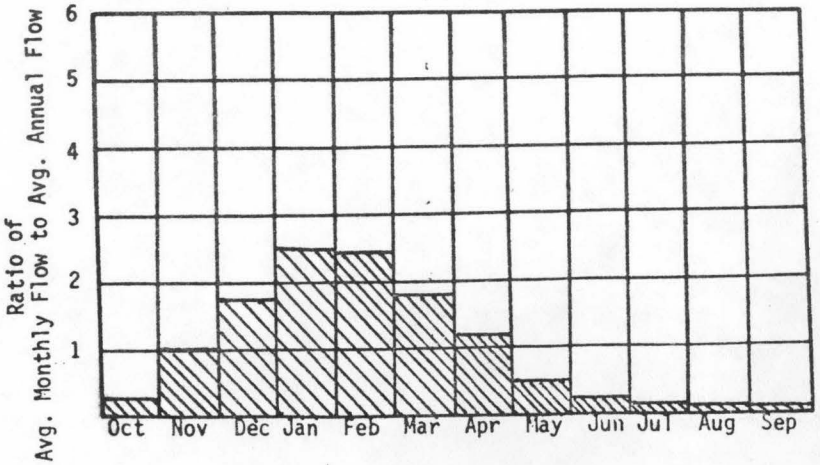
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.1	.05	.40	1.000
80	17.1	.10	.78	.934
50	50.9	.28	1.86	.746
30	104.4	.58	2.91	.568
10	219.6	1.23	4.04	.375

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 103 CFS

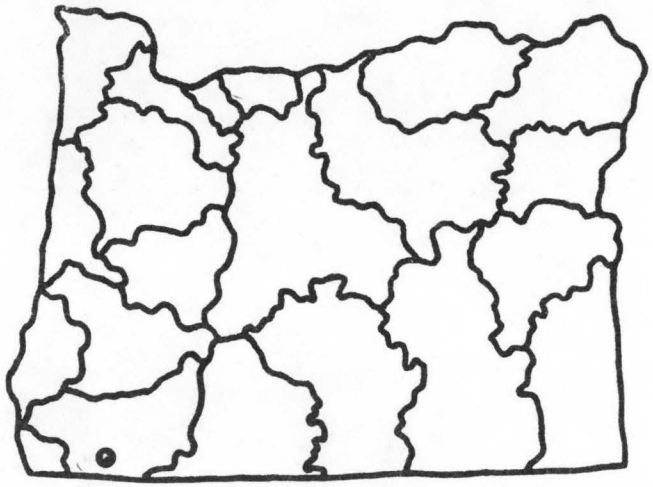


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 5, T40S, R3W
D.	Latitude, Longitude	42°07'N, 123°05'W
E.	Stream Name	Applegate River
F.	Major Basin Name	Rogue
G.	River Mile	34.0 to 47.5



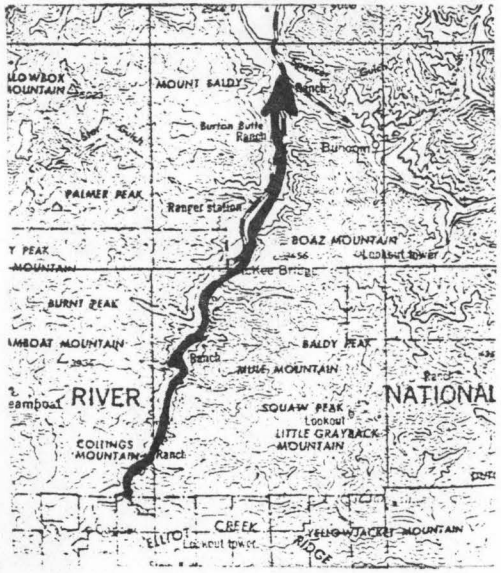
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	1824	Ft. MSL
B.	Downstream Elevation of Reach	1460	Ft. MSL
C.	Total Available Head in Reach	364	Ft.
D.	Average Slope in Reach	27	Ft./Mi.
E.	Drainage Area above Reach Mouth	302	Sq.Mi.
F.	Inflow Classification	Some Regulation	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

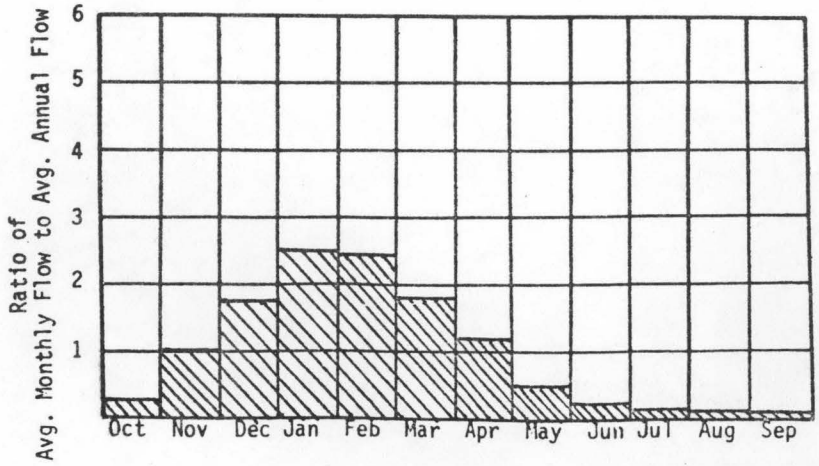
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	39.2	1.21	10.59	1.000
80	74.9	2.31	19.03	.940
50	216.1	6.66	43.83	.751
30	421.7	13.01	66.06	.580
10	856.9	26.43	89.58	.387

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 414 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 2, T41S, R4W
D.	Latitude, Longitude	42°01'N, 123°09'W
E.	Stream Name	Applegate River
F.	Major Basin Name	Rogue
G.	River Mile	47.5 to 50.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

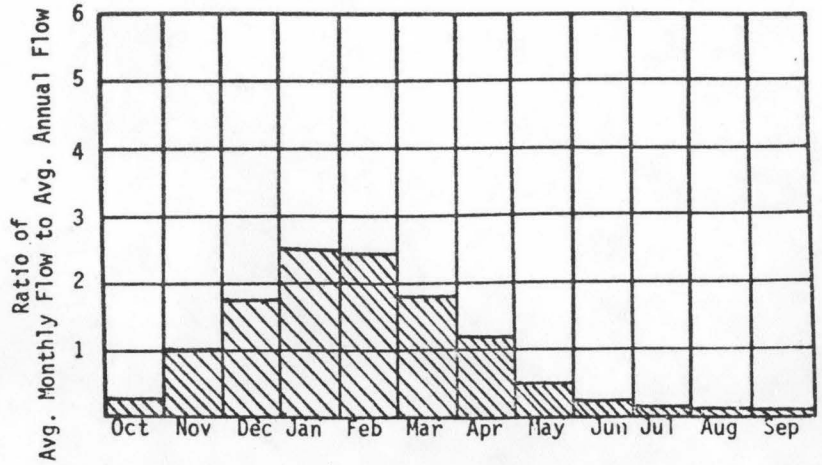
A.	Upstream Elevation of Reach	1910	Ft. MSL
B.	Downstream Elevation of Reach	1824	Ft. MSL
C.	Total Available Head in Reach	86	Ft.
D.	Average Slope in Reach	23	Ft./Mi.
E.	Drainage Area above Reach Mouth	184	Sq.Mi.
F.	Inflow Classification	Natural	

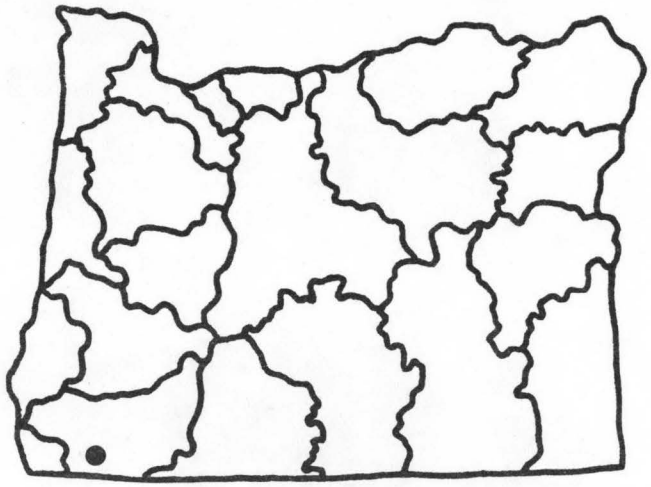
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	28.8	.21	1.84	1.000
80	56.1	.41	3.36	.939
50	162.7	1.19	7.79	.750
30	320.8	2.34	11.82	.577
10	656.2	4.78	16.11	.384

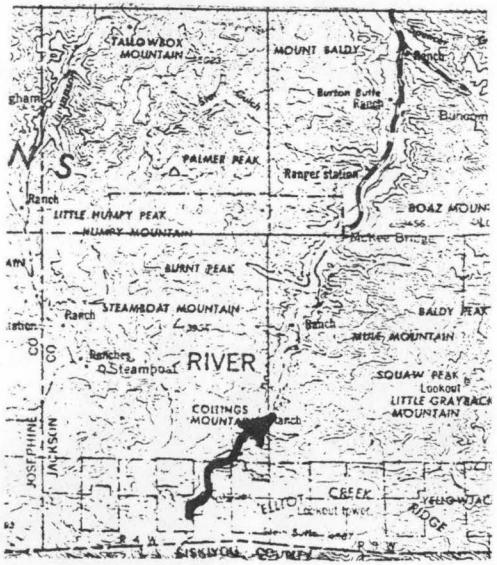
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 315 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-030-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 25, T40S, R5W
D.	Latitude, Longitude	42°03'N, 123°14'W
E.	Stream Name	Carberry Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

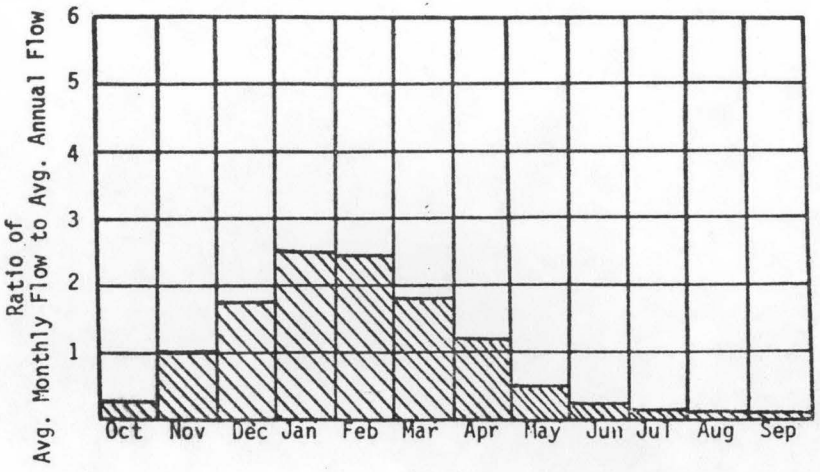
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	73	Sq.Mi.
F.	Inflow Classification	Natural	

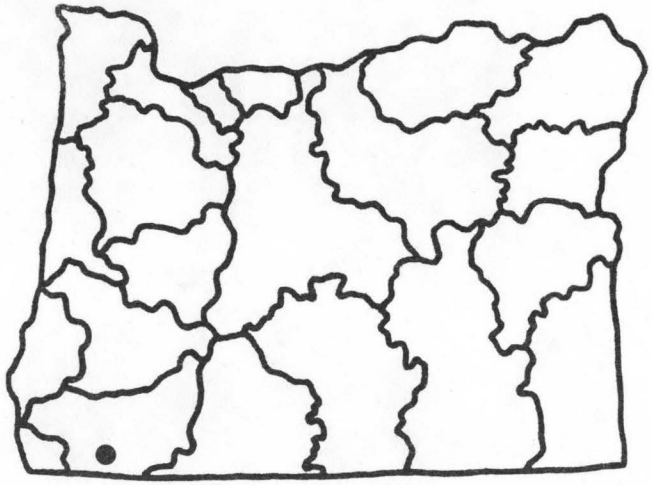
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.4	.06	.51	1.000
80	21.8	.12	1.00	.935
50	64.3	.36	2.35	.746
30	130.9	.73	3.66	.570
10	273.9	1.53	5.06	.377

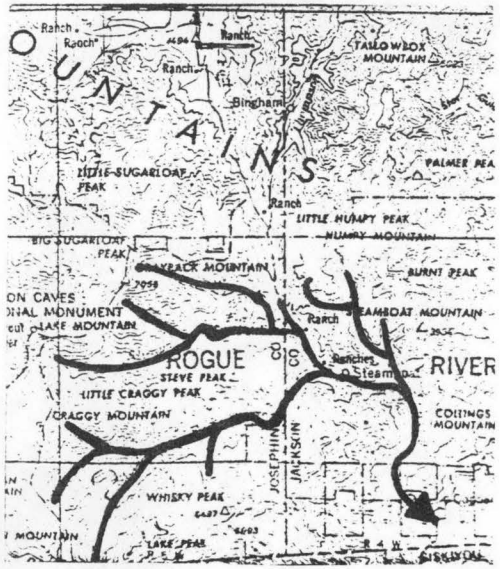
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 129 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



Q 15-81

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-055-000-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 10, T41S, R4W
D.	Latitude, Longitude	42°00'N, 123°09'W
E.	Stream Name	Applegate River
F.	Major Basin Name	Rogue
G.	River Mile	50.1 to 51.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

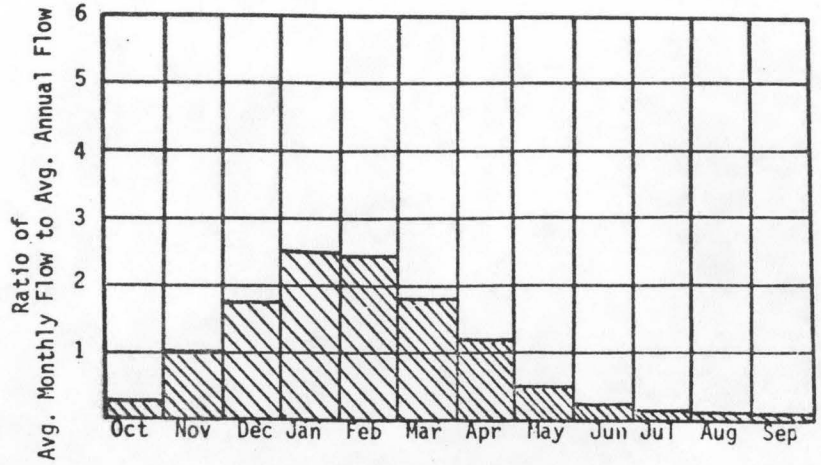
A.	Upstream Elevation of Reach	1993	Ft. MSL
B.	Downstream Elevation of Reach	1910	Ft. MSL
C.	Total Available Head in Reach	83	Ft.
D.	Average Slope in Reach	69.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	108	Sq.Mi.
F.	Inflow Classification	Natural	

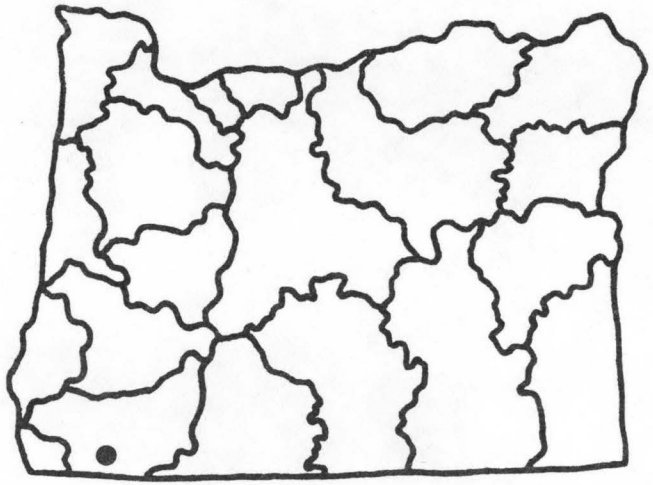
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.4	.11	.95	1.000
80	31.4	.22	1.81	.937
50	92.1	.65	4.24	.748
30	185.2	1.30	6.54	.573
10	384.1	2.70	8.99	.380

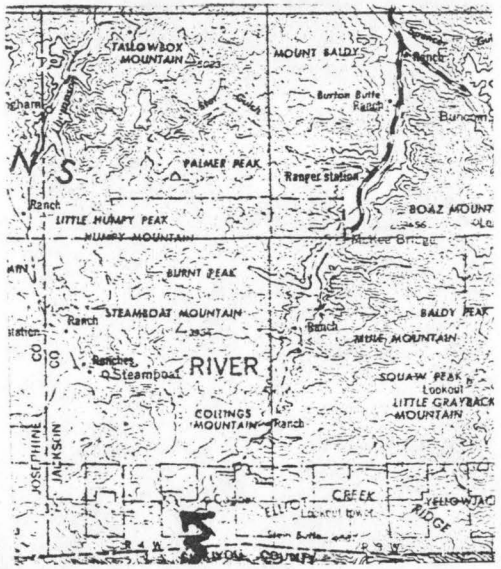
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 182 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD-WEED

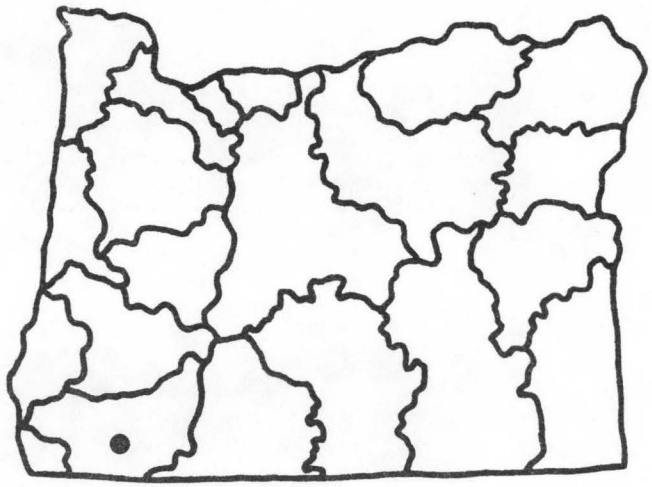


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0014

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 20, T34S, R5W
D.	Latitude, Longitude	42°25'N, 123°18'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	94.8 to 110.7



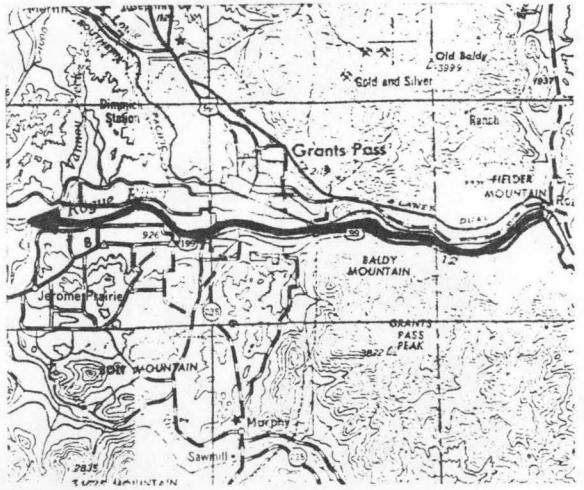
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	964	Ft. MSL
B.	Downstream Elevation of Reach	854	Ft. MSL
C.	Total Available Head in Reach	110	Ft.
D.	Average Slope in Reach	7	Ft./Mi.
E.	Drainage Area above Reach Mouth	2485	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

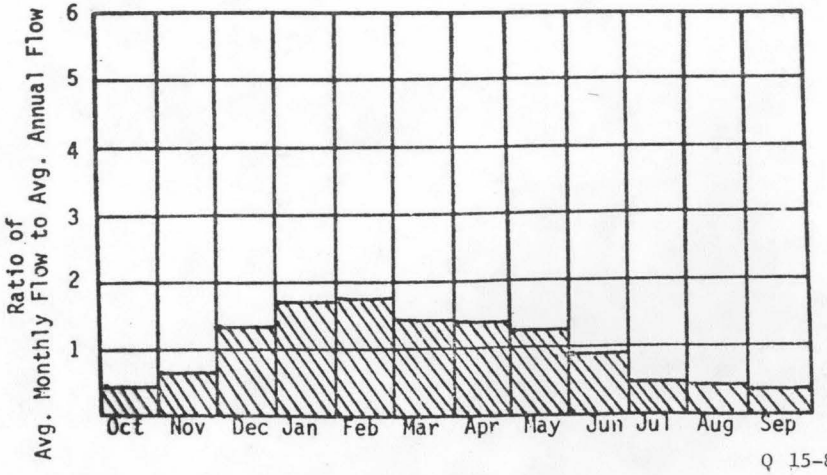
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	490.4	4.57	40.04	1.000
80	793.9	7.40	61.74	.952
50	2185.3	20.37	135.59	.760
30	3937.9	36.71	192.84	.600
10	7568.9	70.56	252.14	.408

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW - 3860 CFS



Q 15-83

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-060-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 33, T35S, R4W
D.	Latitude, Longitude	42°29'N, 123°11'W
E.	Stream Name	Evans Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 8.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

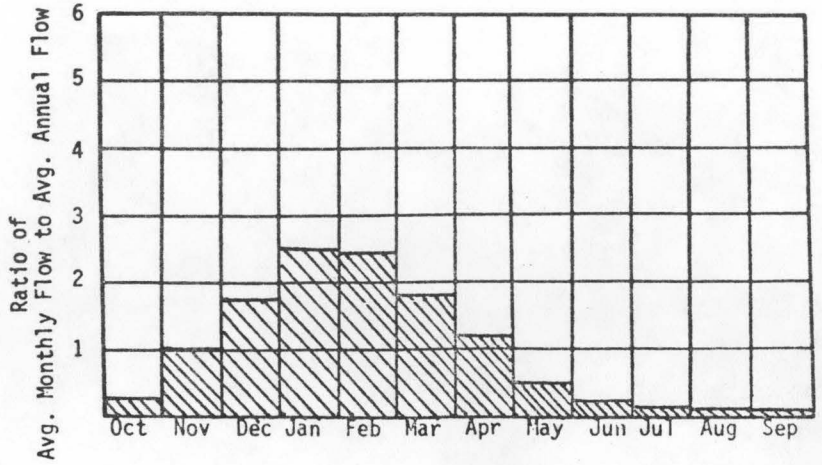
A.	Upstream Elevation of Reach	1100	Ft. MSL
B.	Downstream Elevation of Reach	964	Ft. MSL
C.	Total Available Head in Reach	136	Ft.
D.	Average Slope in Reach	17	Ft./Mi.
E.	Drainage Area above Reach Mouth	220	Sq.Mi.
F.	Inflow Classification	Regulated	

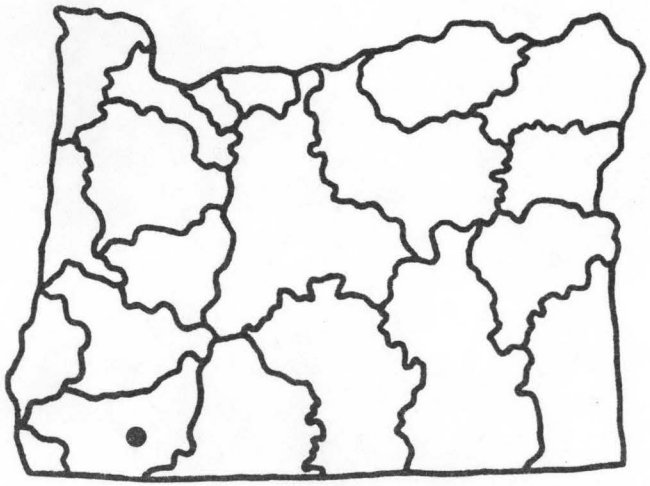
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	34.7	.40	3.50	1.000
80	66.9	.77	6.35	.940
50	193.3	2.23	14.64	.750
30	378.8	4.37	22.13	.579
10	771.7	8.89	30.07	.386

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 372 CFS





U.S.G.S. TOPO. SERIES
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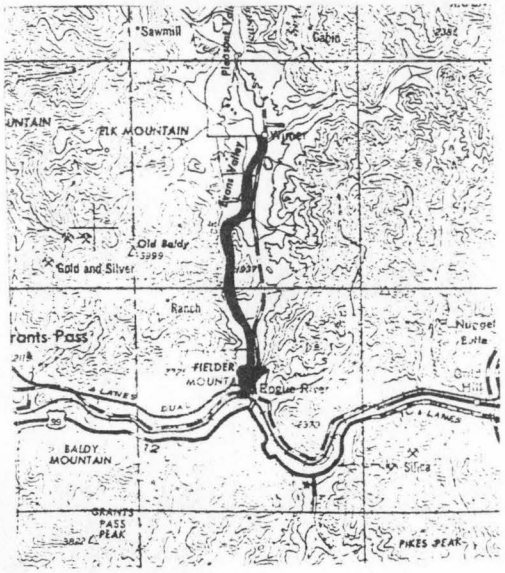
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-060-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 22, T34S, R4W
D.	Latitude, Longitude	42°34'N, 123°10'W
E.	Stream Name	Pleasant Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

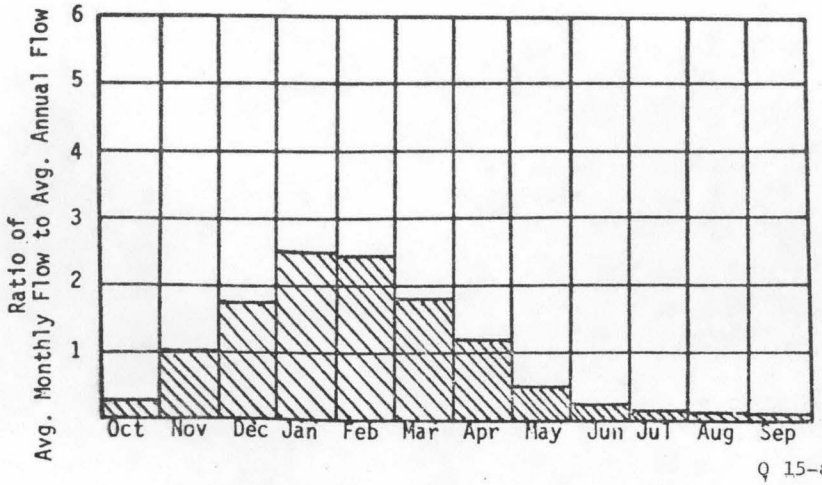
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	43	Sq.Mi.
F.	Inflow Classification	Natural	

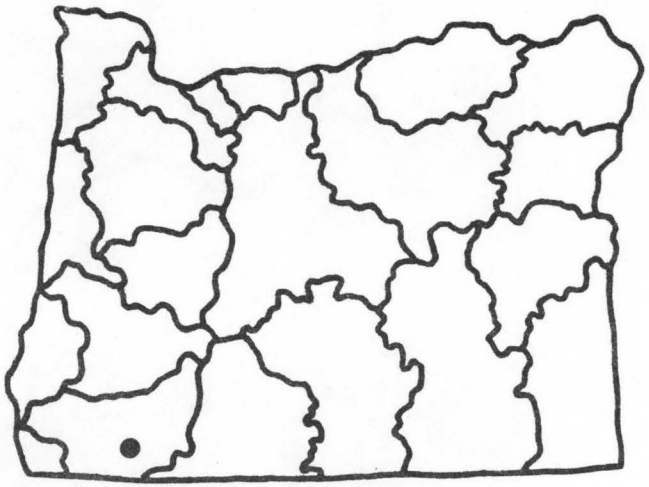
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.0	.03	.30	1.000
80	13.0	.07	.60	.933
50	38.9	.22	1.42	.745
30	80.7	.45	2.24	.566
10	170.8	.96	3.12	.373

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 79 CFS





U.S.G.S. TOPO. SERIES
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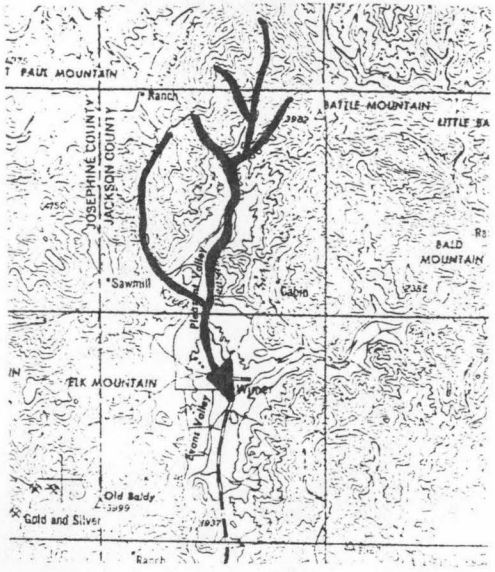
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-060-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 4, T35S, R3W
D.	Latitude, Longitude	42°33'N, 123°04'W
E.	Stream Name	Evans Creek
F.	Major Basin Name	Rogue
G.	River Mile	8.0 to 19.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

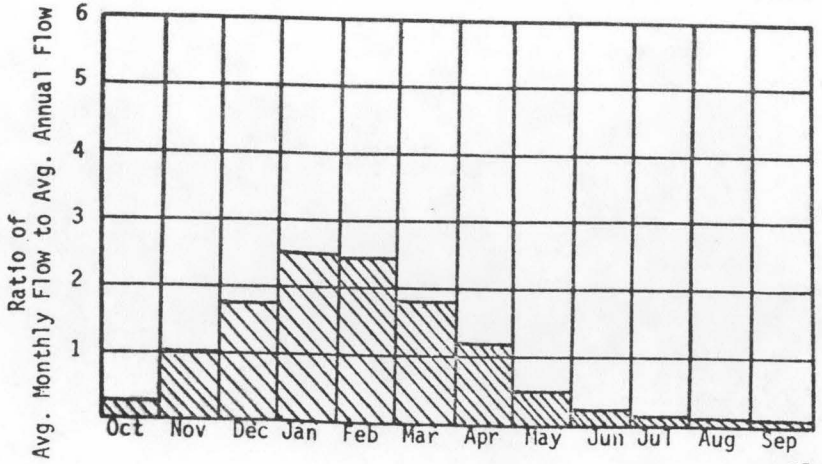
A.	Upstream Elevation of Reach	1450	Ft. MSL
B.	Downstream Elevation of Reach	1100	Ft. MSL
C.	Total Available Head in Reach	350	Ft.
D.	Average Slope in Reach	26	Ft./Mi.
E.	Drainage Area above Reach Mouth	149	Sq.Mi.
F.	Inflow Classification	Regulated	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

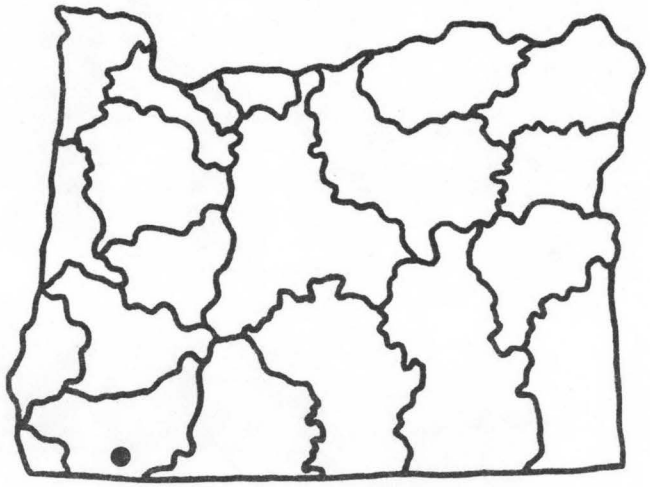
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	21.8	.65	5.65	1.000
80	43.2	1.28	10.53	.938
50	126.1	3.74	24.52	.749
30	250.7	7.44	37.48	.575
10	516.0	15.30	51.26	.382

IV. TYPICAL ANNUAL HYDROGRAPH

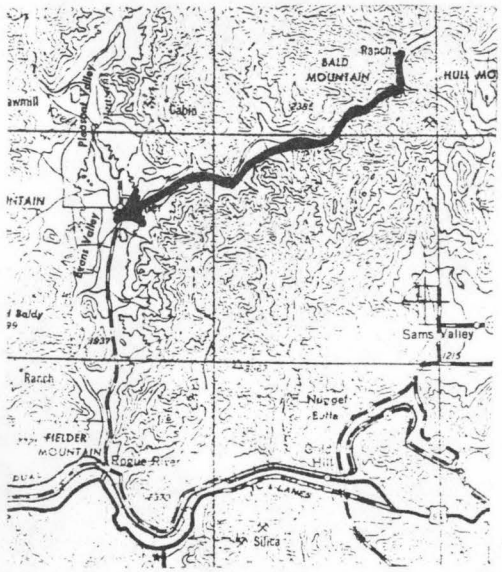
AVG. ANNUAL FLOW = 246 CFS



o 15-86



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-060-010-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 32, T33S, R3W
D.	Latitude, Longitude	42°39'N, 123°06'W
E.	Stream Name	West Fork Evans Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

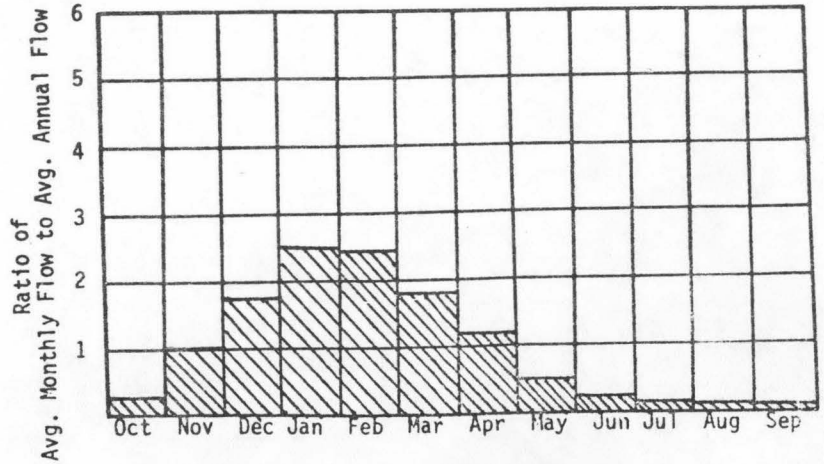
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	60	Sq.Mi.
F.	Inflow Classification	Natural	

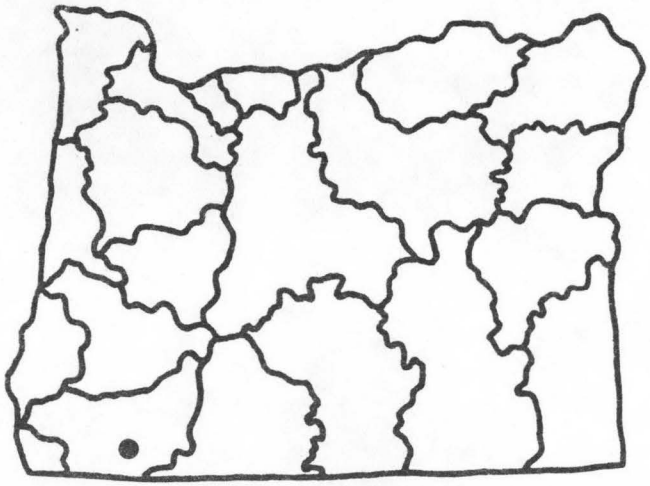
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.6	.06	.52	1.000
80	22.1	.12	1.01	.935
50	65.4	.37	2.39	.746
30	133.0	.74	3.72	.570
10	278.1	1.56	5.14	.377

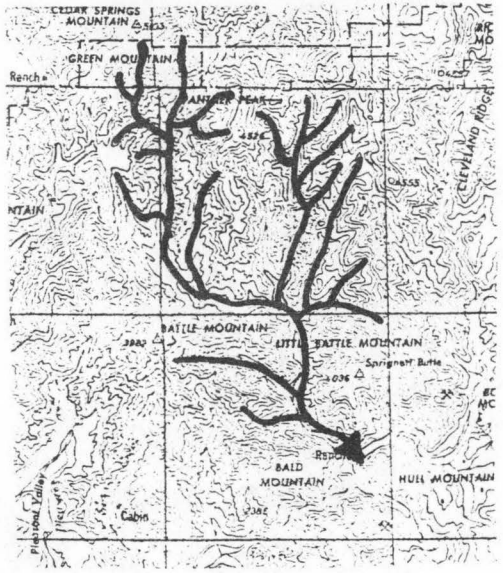
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 131 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-060-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 4, T33S, R2W
D.	Latitude, Longitude	42°39'N, 122°57'W
E.	Stream Name	Evans Creek
F.	Major Basin Name	Rogue
G.	River Mile	19.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

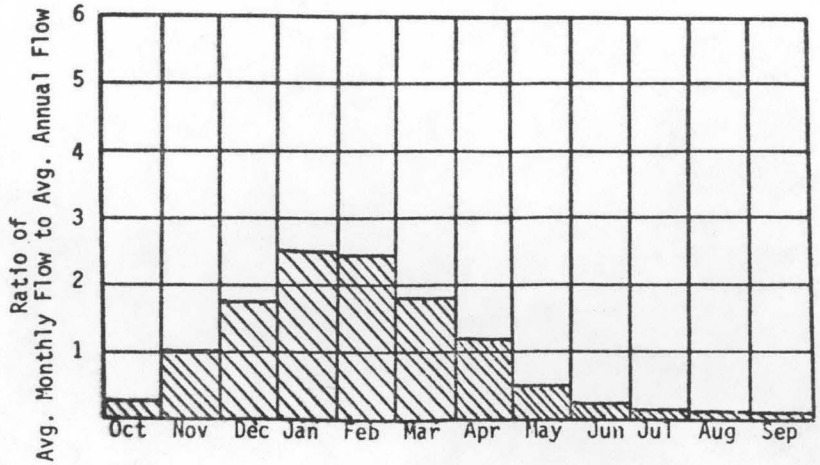
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	50	Sq.Mi.
F.	Inflow Classification	Natural	

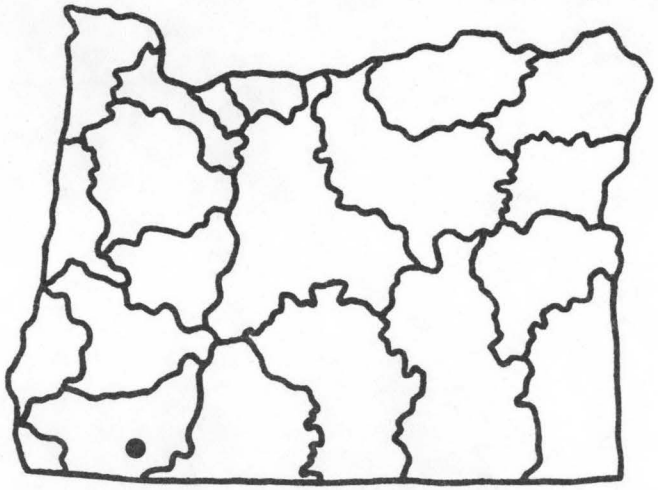
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.7	.04	.33	1.000
80	14.3	.08	.65	.933
50	42.7	.24	1.56	.745
30	88.1	.49	2.45	.567
10	186.1	1.04	3.41	.374

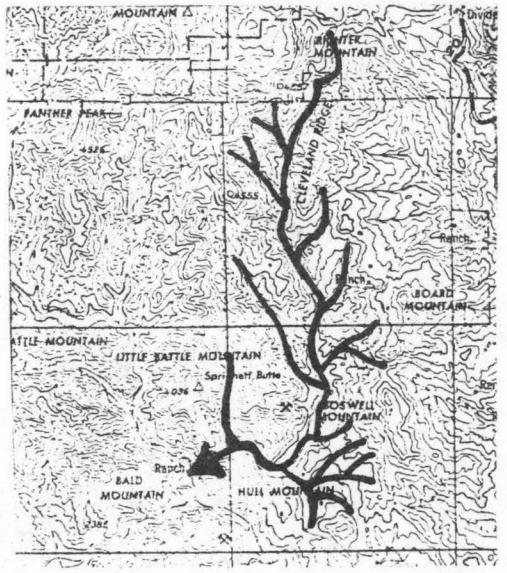
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 87 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0015

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 21, T36S, R3W
D.	Latitude, Longitude	42°26'N, 123°03'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	110.7 to 126.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

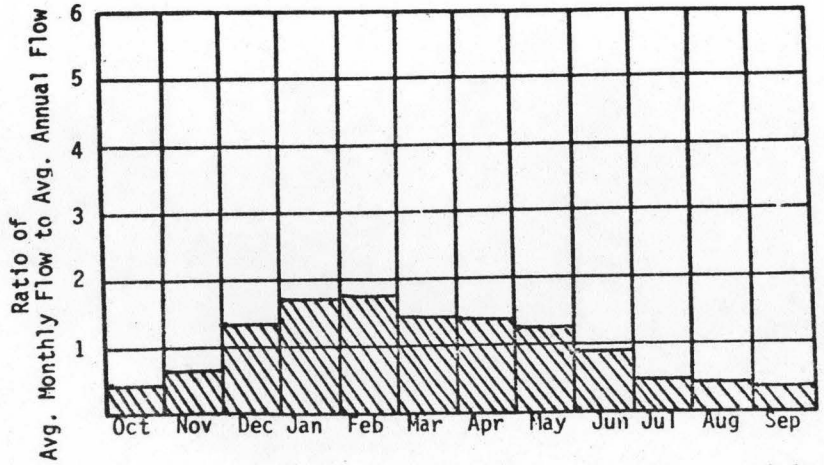
A.	Upstream Elevation of Reach	1147	Ft. MSL
B.	Downstream Elevation of Reach	964	Ft. MSL
C.	Total Available Head in Reach	183	Ft.
D.	Average Slope in Reach	11	Ft./Mi.
E.	Drainage Area above Reach Mouth	2182	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

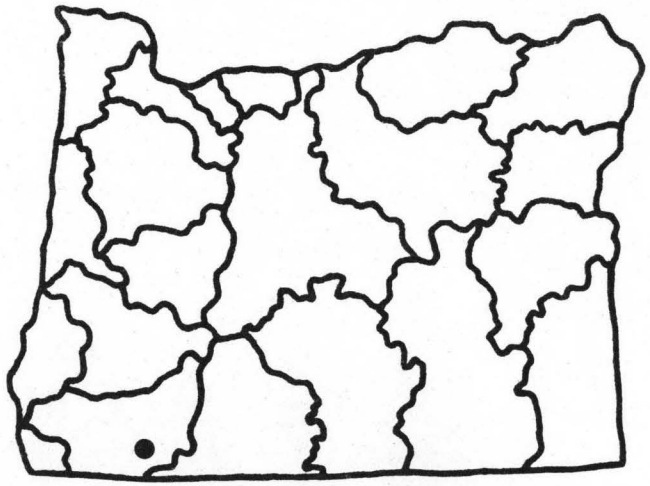
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	417.8	6.48	56.76	1.000
80	683.6	10.60	88.36	.951
50	1887.3	29.27	194.65	.759
30	3418.1	53.01	277.84	.598
10	6593.0	102.25	364.10	.407

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3352 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-065-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 28, T36S, R2W
D.	Latitude, Longitude	42°24'N, 122°57'W
E.	Stream Name	Bear Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 3.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

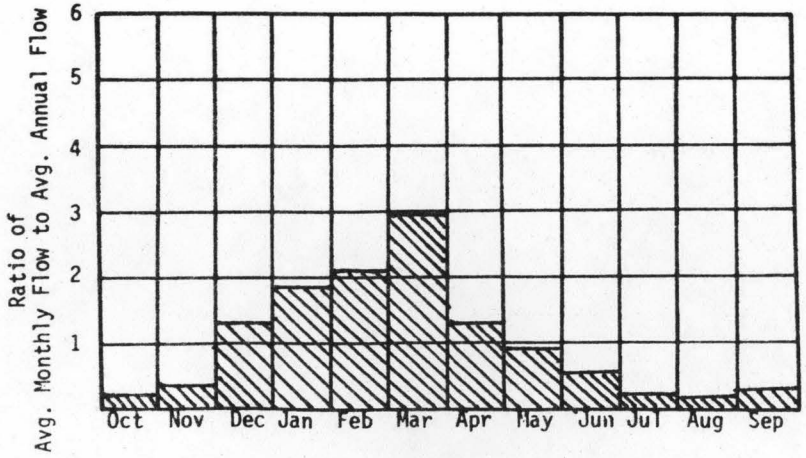
A.	Upstream Elevation of Reach	1200	Ft. MSL
B.	Downstream Elevation of Reach	1147	Ft. MSL
C.	Total Available Head in Reach	53	Ft.
D.	Average Slope in Reach	15	Ft./Mi.
E.	Drainage Area above Reach Mouth	354	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

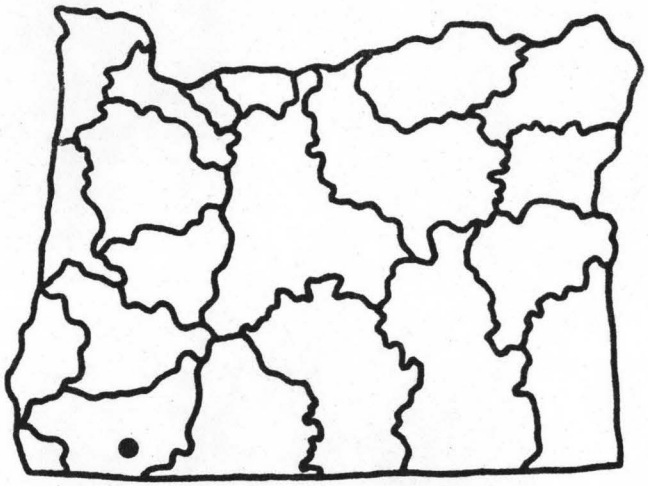
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	27.8	.12	1.09	1.000
80	54.3	.24	2.01	.939
50	157.8	.71	4.65	.750
30	311.3	1.40	7.07	.577
10	637.4	2.86	9.64	.384

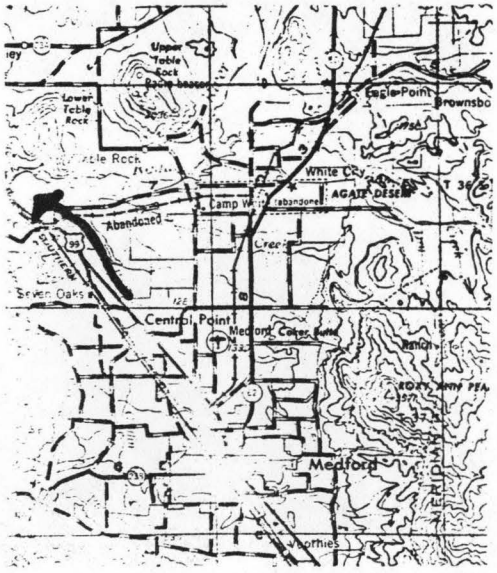
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 306 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-065-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 35, T35S, R1W
D.	Latitude, Longitude	42°18'N, 122°51'W
E.	Stream Name	Bear Creek
F.	Major Basin Name	Rogue
G.	River Mile	3.5 to 17.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

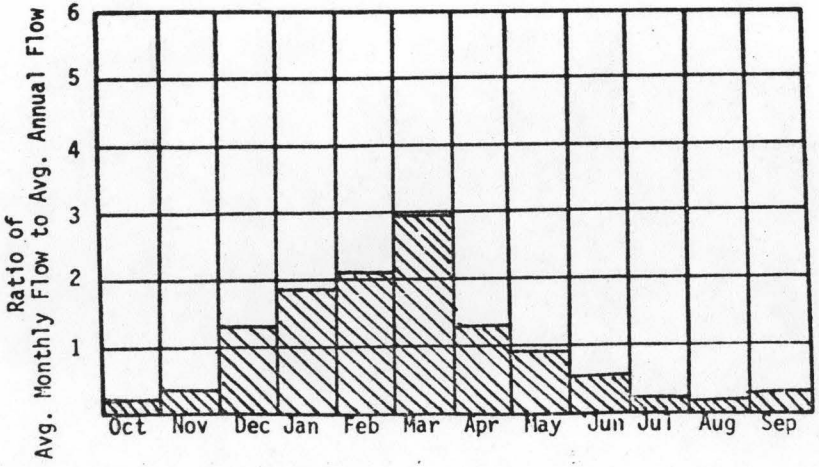
A.	Upstream Elevation of Reach	1554	Ft. MSL
B.	Downstream Elevation of Reach	1200	Ft. MSL
C.	Total Available Head in Reach	354	Ft.
D.	Average Slope in Reach	26	Ft./Mi.
E.	Drainage Area above Reach Mouth	297	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

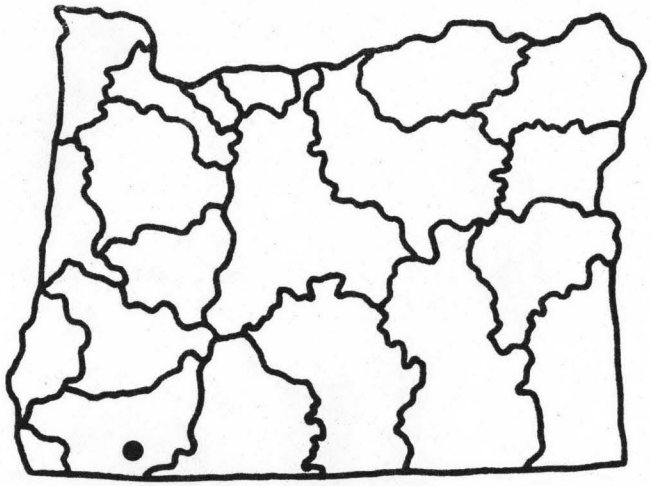
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	21.0	.63	5.51	1.000
80	41.7	1.25	10.29	.938
50	121.8	3.65	23.97	.749
30	242.5	7.28	36.66	.575
10	499.6	14.99	50.17	.382

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 238 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-065-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 4, T39S, R1E	
D. Latitude, Longitude	42°12'N, 122°42'W	
E. Stream Name	Bear Creek	
F. Major Basin Name	Rogue	
G. River Mile	17.3 to 26.3	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

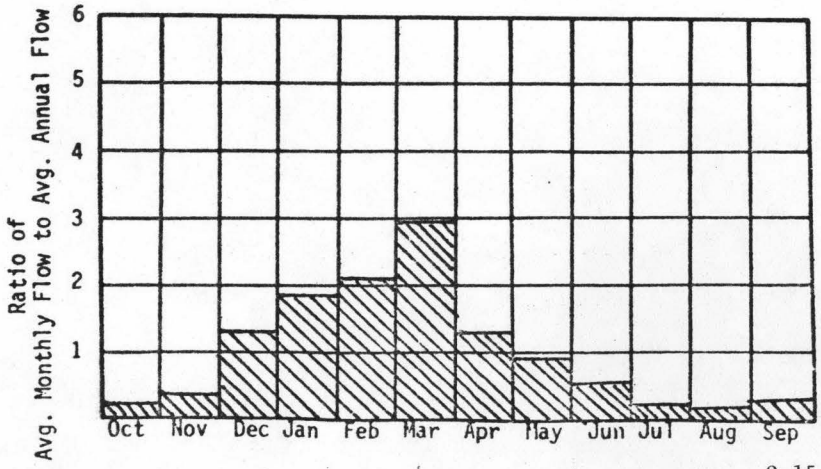
A. Upstream Elevation of Reach	1900	Ft. MSL
B. Downstream Elevation of Reach	1554	Ft. MSL
C. Total Available Head in Reach	346	Ft.
D. Average Slope in Reach	38	Ft./Mi.
E. Drainage Area above Reach Mouth	195	Sq.Mi.
F. Inflow Classification	Slightly Regulated	

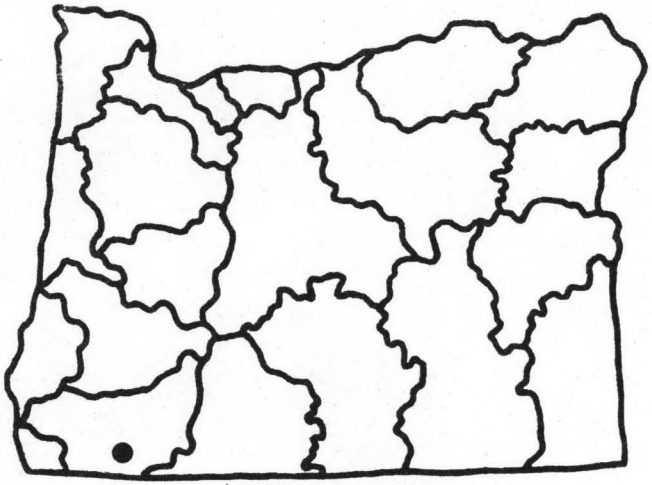
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.9	.38	3.31	1.000
80	26.5	.78	6.37	.936
50	78.1	2.29	14.98	.747
30	157.8	4.63	23.17	.572
10	328.6	9.63	31.95	.378

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 156 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-065-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 34, T39S, R2E
D.	Latitude, Longitude	42°08'N, 122°35'W
E.	Stream Name	Emigrant (Bear) Creek
F.	Major Basin Name	Rogue
G.	River Mile	26.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

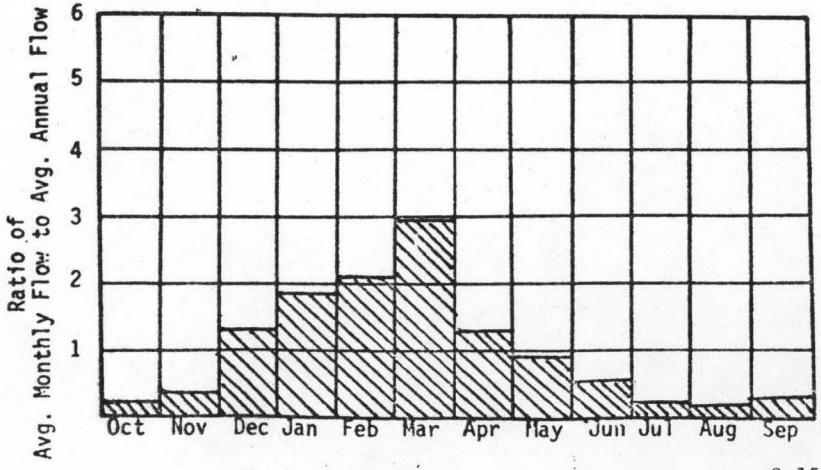
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	110	Sq.Mi.
F.	Inflow Classification	Partly Regulated	

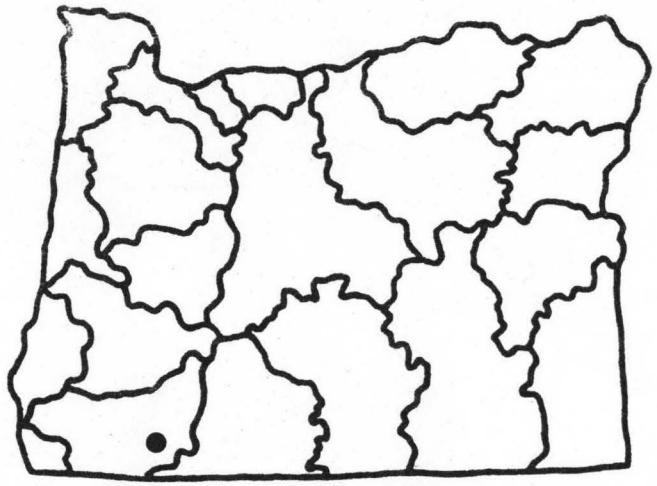
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.2	.05	.45	1.000
80	19.4	.11	.89	.934
50	57.5	.32	2.10	.746
30	117.4	.66	3.28	.569
10	246.3	1.38	4.54	.376

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 116 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

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REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0016

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 15, T36S, R2W	
D. Latitude, Longitude	42°26'N, 122°55'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	126.8 to 132.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

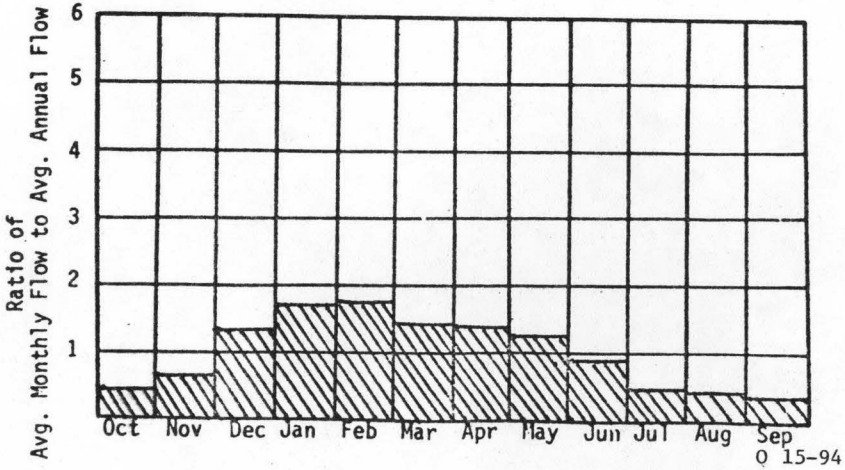
A. Upstream Elevation of Reach	1198	Ft. MSL
B. Downstream Elevation of Reach	1147	Ft. MSL
C. Total Available Head in Reach	51	Ft.
D. Average Slope in Reach	9.4	Ft./Mi.
E. Drainage Area above Reach Mouth	1682	Sq.Mi.
F. Inflow Classification	Regulated	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

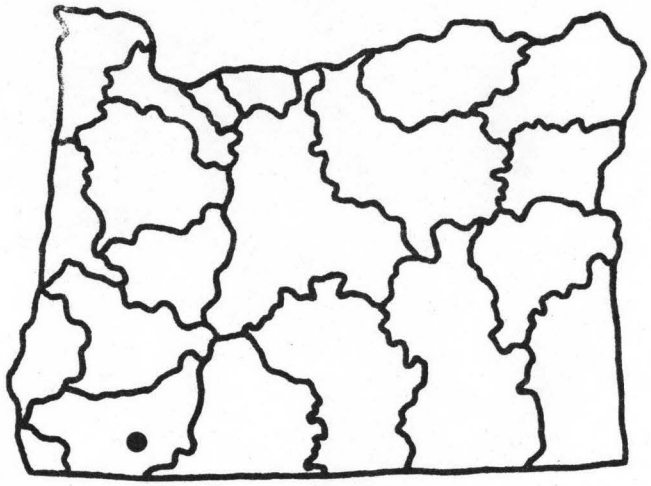
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	358.0	1.55	13.55	1.000
80	591.7	2.56	21.29	.951
50	1638.1	7.08	47.05	.759
30	2981.3	12.89	67.39	.597
10	5770.0	24.94	88.51	.405

IV. TYPICAL ANNUAL HYDROGRAPH

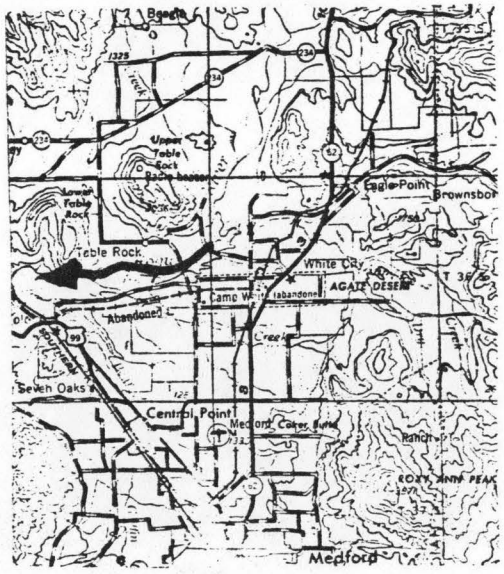
AVG. ANNUAL FLOW = 2924 CFS



O 15-94



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-075-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 8, T36S, R1W
D.	Latitude, Longitude	42°27'N, 122°51'W
E.	Stream Name	Little Butte Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 2.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

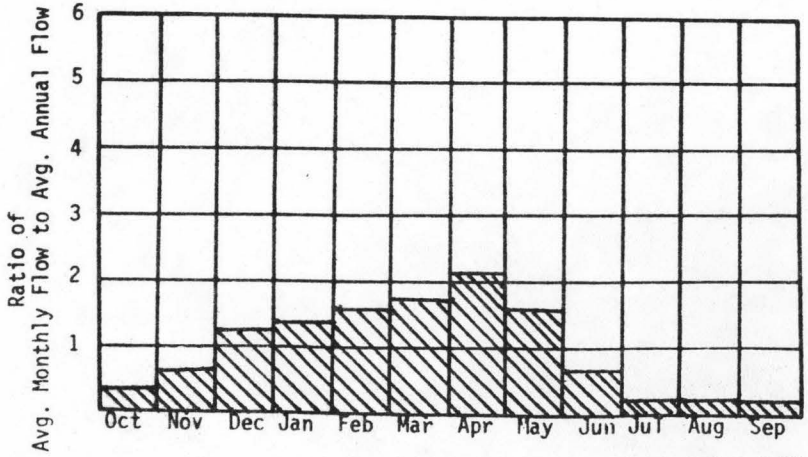
A.	Upstream Elevation of Reach	1225	Ft. MSL
B.	Downstream Elevation of Reach	1198	Ft. MSL
C.	Total Available Head in Reach	27	Ft.
D.	Average Slope in Reach	9.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	367	Sq.Mi.
F.	Inflow Classification	Natural	

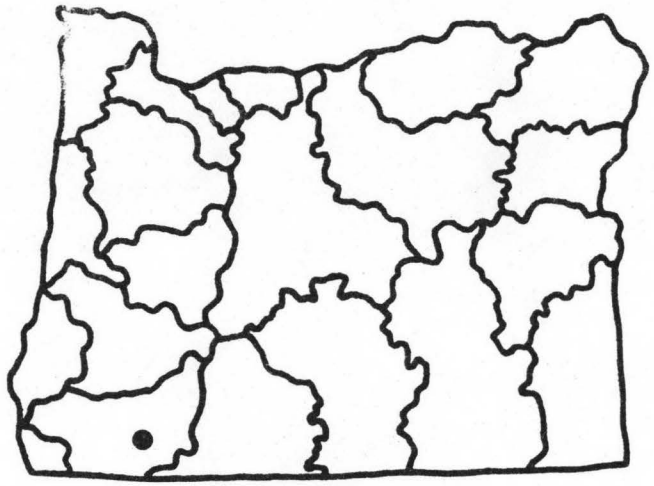
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	37.5	.09	.75	1.000
80	71.8	.16	1.35	.940
50	207.3	.47	3.12	.751
30	405.3	.93	4.71	.579
10	824.3	1.89	6.39	.387

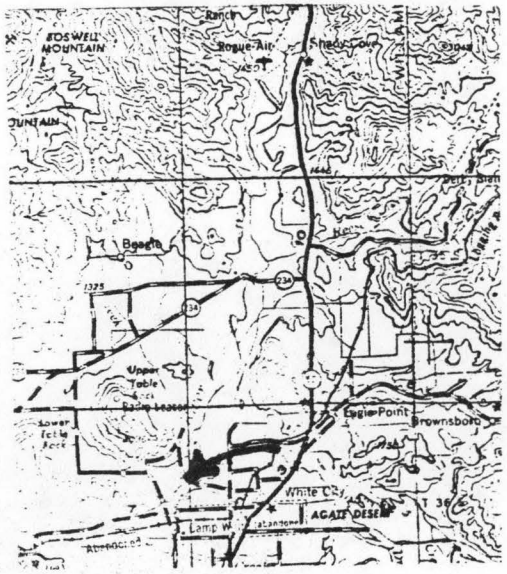
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 398 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

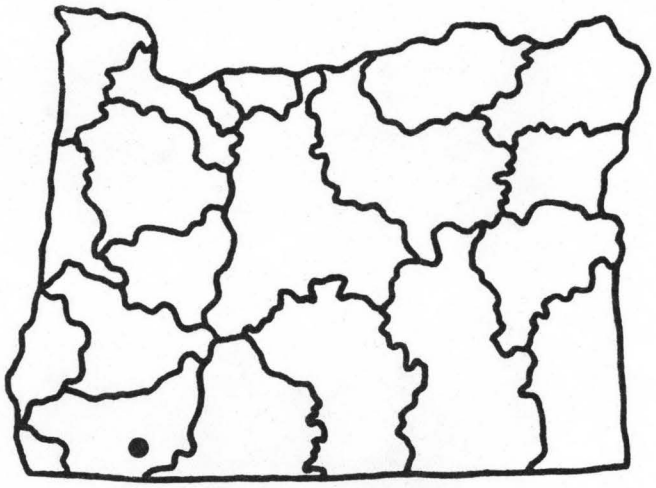


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-075-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 9, T37S, R1E
D.	Latitude, Longitude	42°22'N, 122°43'W
E.	Stream Name	Antelope Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	80	Sq.Mi.
F.	Inflow Classification	Natural	

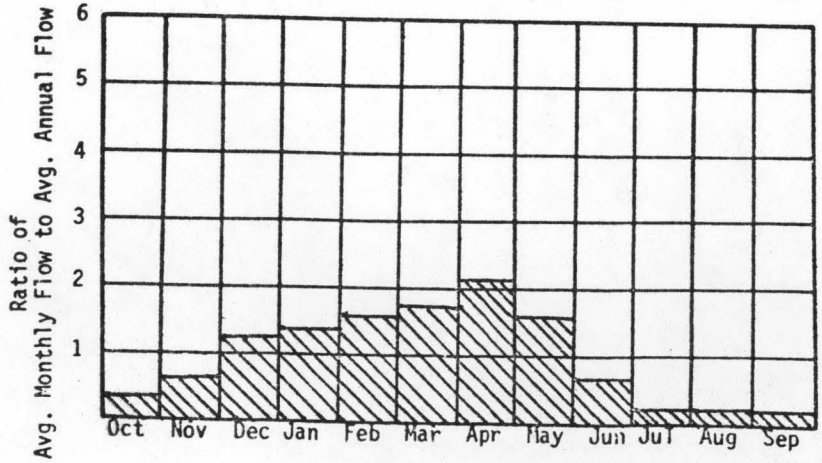
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.1	.03	.25	1.000
80	11.2	.06	.51	.932
50	33.6	.19	1.22	.744
30	69.9	.39	1.94	.565
10	148.5	.83	2.71	.372

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 69 CFS



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REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-075-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 4, T36S, R1E
D.	Latitude, Longitude	42°28'N, 122°43'W
E.	Stream Name	Little Butte Creek
F.	Major Basin Name	Rogue
G.	River Mile	2.9 to 17.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

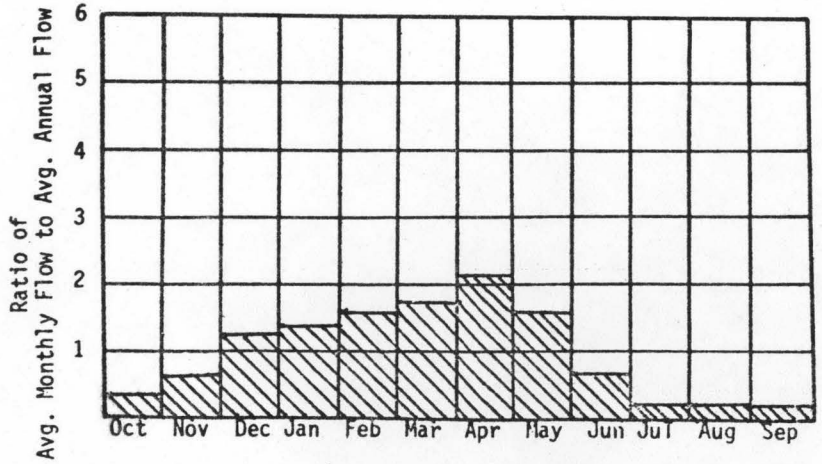
A.	Upstream Elevation of Reach	1644	Ft. MSL
B.	Downstream Elevation of Reach	1225	Ft. MSL
C.	Total Available Head in Reach	419	Ft.
D.	Average Slope in Reach	29.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	284	Sq.Mi.
F.	Inflow Classification	Natural	

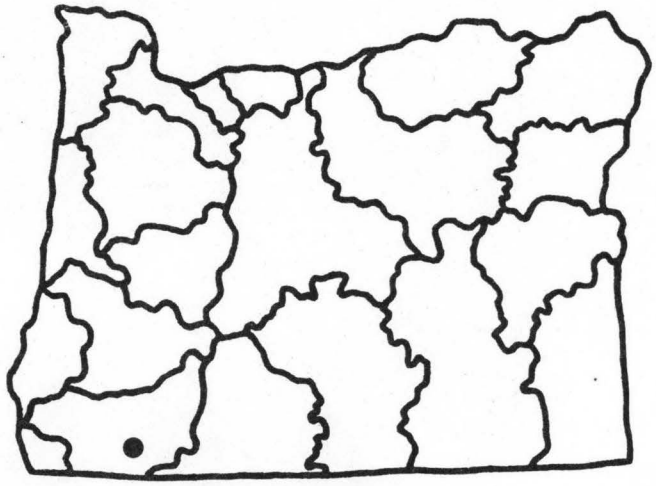
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	24.6	.87	7.66	1.000
80	48.5	1.72	14.17	.938
50	141.2	5.01	32.90	.749
30	279.7	9.93	50.13	.576
10	574.1	20.39	68.45	.383

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 275 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-075-010-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 3, T37S, R3E
D.	Latitude, Longitude	42°23'N, 122°28'W
E.	Stream Name	North Fork Little Butte Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

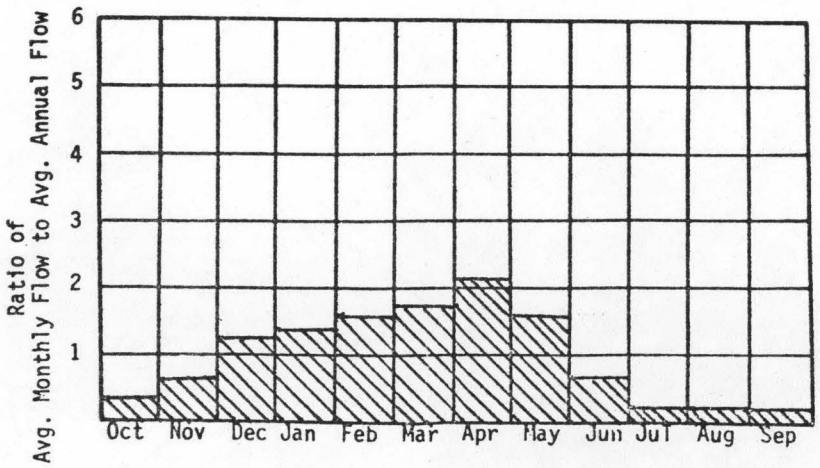
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	53	Sq.Mi.
F.	Inflow Classification	Regulated	

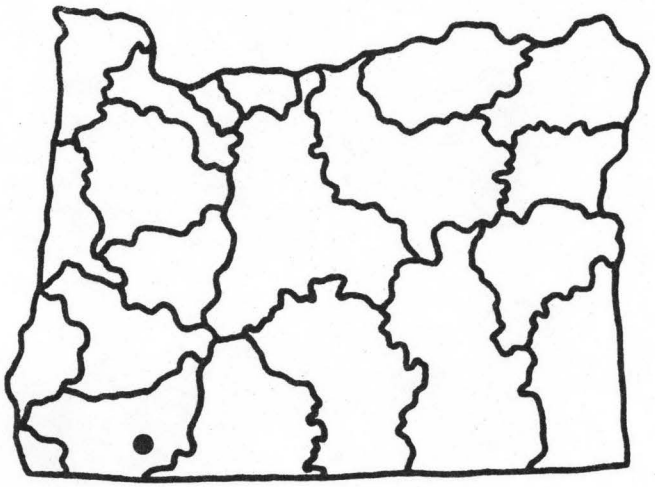
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.8	.04	.33	1.000
80	14.6	.08	.67	.933
50	43.6	.24	1.59	.745
30	89.9	.50	2.50	.567
10	189.8	1.06	3.48	.374

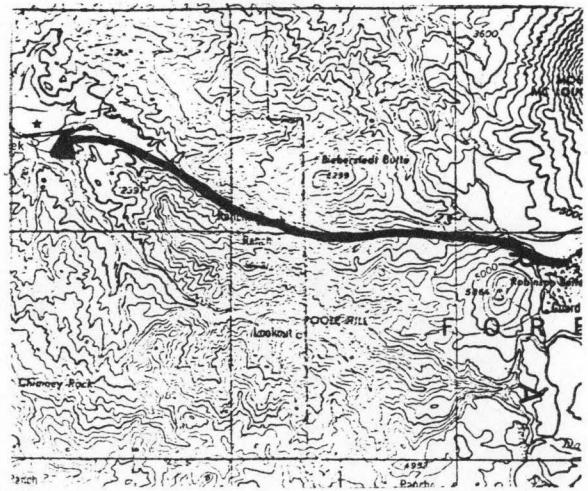
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 88 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-075-015-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 10, T37S, R2E
D.	Latitude, Longitude	42°22'N, 122°34'W
E.	Stream Name	South Fork Little Butte Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 8.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

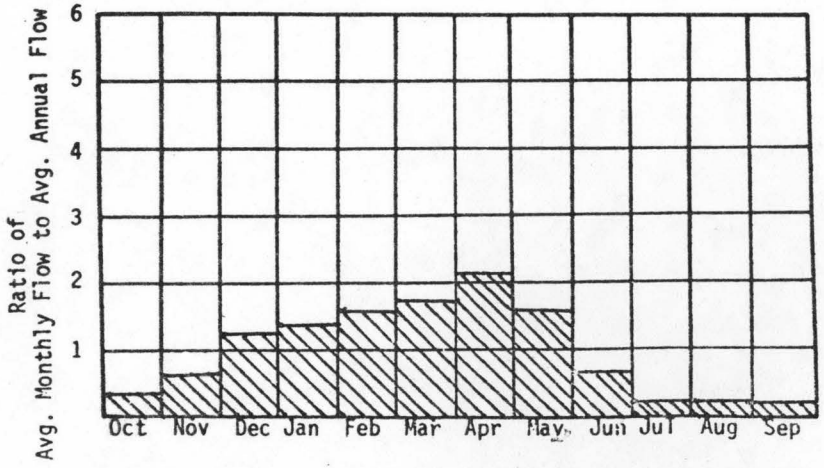
A.	Upstream Elevation of Reach	1980	Ft. MSL
B.	Downstream Elevation of Reach	1644	Ft. MSL
C.	Total Available Head in Reach	336	Ft.
D.	Average Slope in Reach	41	Ft./Mi.
E.	Drainage Area above Reach Mouth	137	Sq.Mi.
F.	Inflow Classification	Natural	

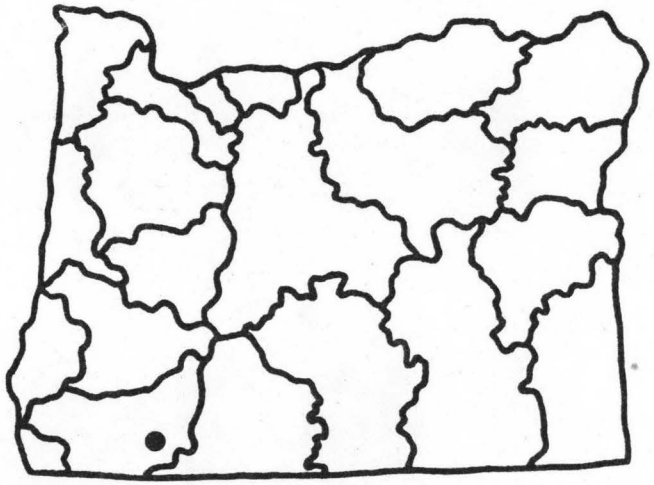
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.9	.25	2.23	1.000
80	18.8	.54	4.39	.934
50	55.8	1.59	10.39	.746
30	114.2	3.25	16.21	.569
10	239.7	6.82	22.47	.376

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

Lakecreek
Ranch
Ranch
Ranch

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-075-015-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 29, T37S, R4E
D.	Latitude, Longitude	42°20'N, 122°24'W
E.	Stream Name	South Fork Little Butte Creek
F.	Major Basin Name	Rogue
G.	River Mile	8.2 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

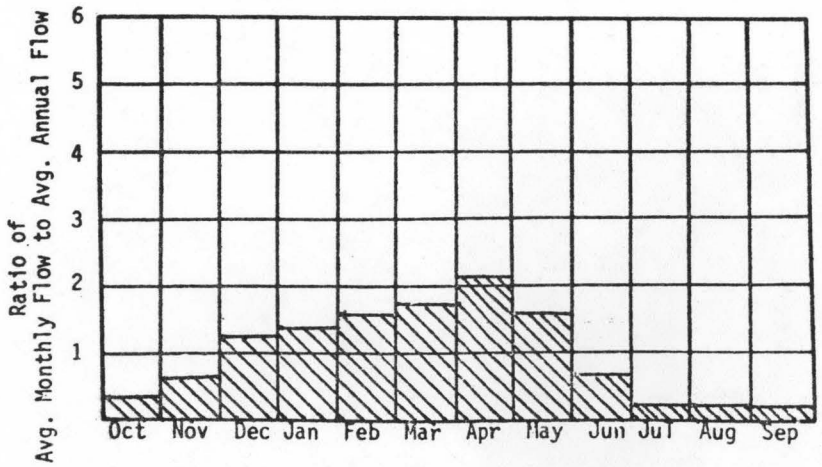
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	88	Sq.Mi.
F.	Inflow Classification	Natural	

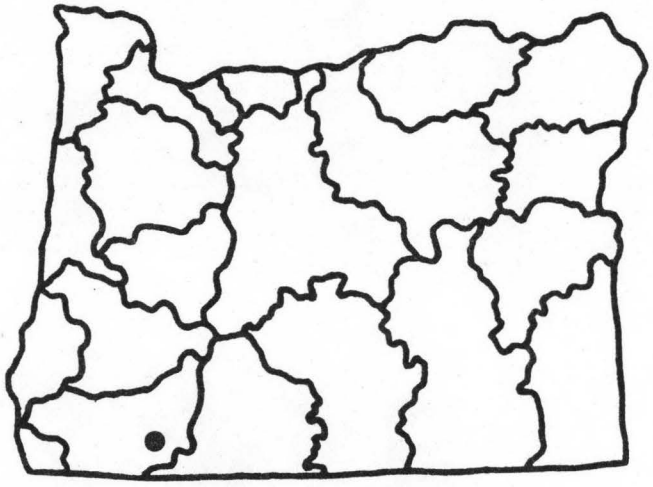
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.1	.04	.35	1.000
80	15.1	.08	.69	.933
50	45.1	.25	1.65	.745
30	92.9	.52	2.58	.568
10	196.0	1.10	3.59	.374

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 91 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

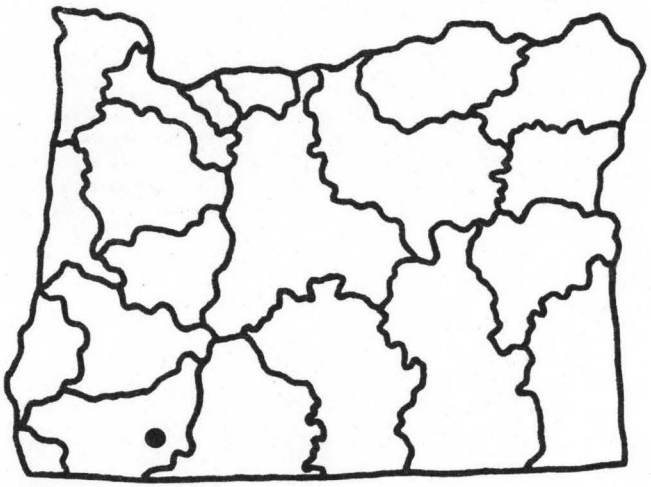
Barkeatadi Butte
Ranch
Ranch
Ranch

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0017

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 4, T35S, R1W
D.	Latitude, Longitude	42°33'N, 122°50'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	132.2 to 148.7



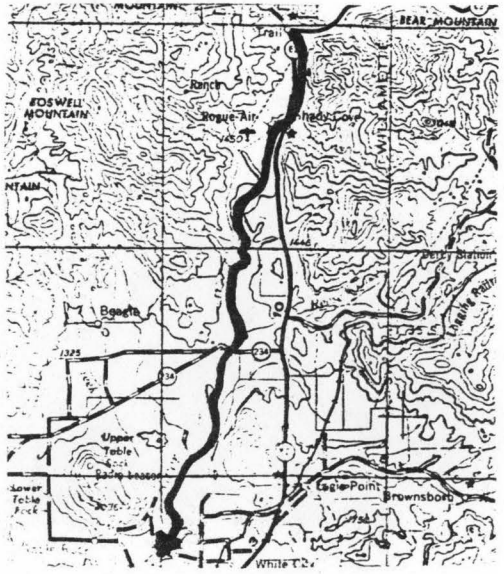
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	1390	Ft. MSL
B.	Downstream Elevation of Reach	1198	Ft. MSL
C.	Total Available Head in Reach	192	Ft.
D.	Average Slope in Reach	11.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	1244	Sq.Mi.
F.	Inflow Classification	Regulated	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

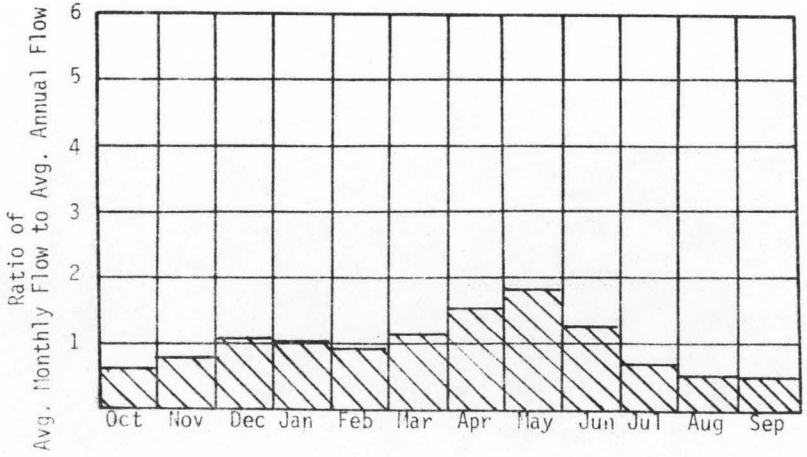
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	292.5	4.76	41.70	1.000
80	490.0	7.97	66.32	.950
50	1361.7	22.16	147.09	.758
30	2494.2	40.58	211.65	.595
10	4848.7	78.89	278.77	.403

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2446 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-080-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 8, T33S, R1W
D.	Latitude, Longitude	42°42'N, 122°51'W
E.	Stream Name	Trail Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

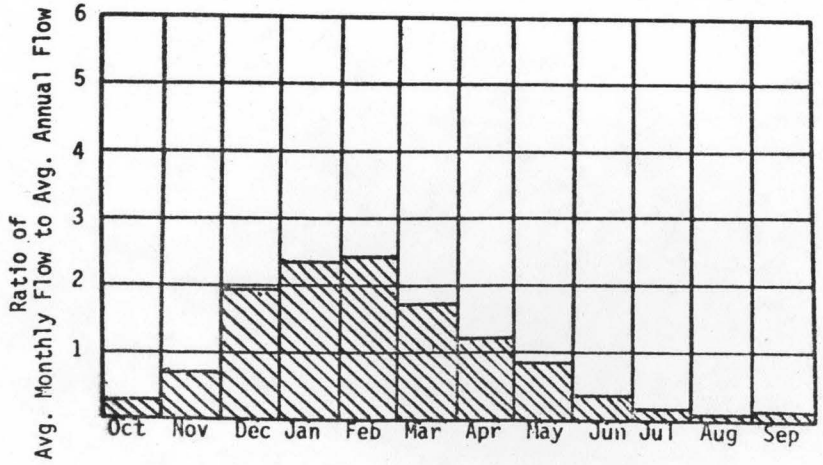
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	55	Sq.Mi.
F.	Inflow Classification	Natural	

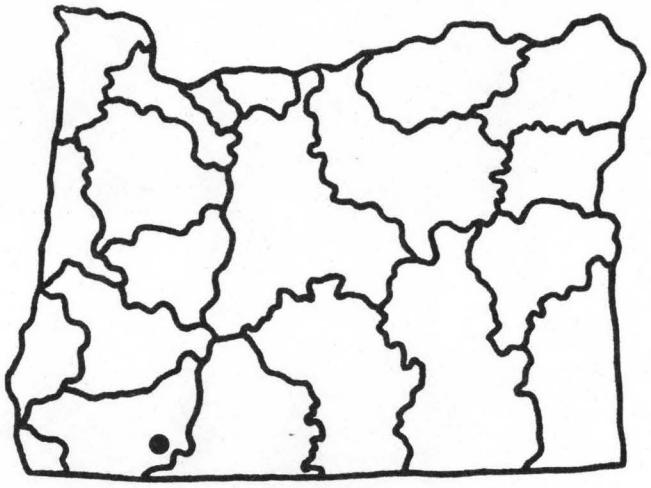
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.0	.04	.39	1.000
80	17.0	.09	.78	.934
50	50.4	.28	1.84	.746
30	103.4	.58	2.88	.568
10	217.6	1.22	4.00	.375

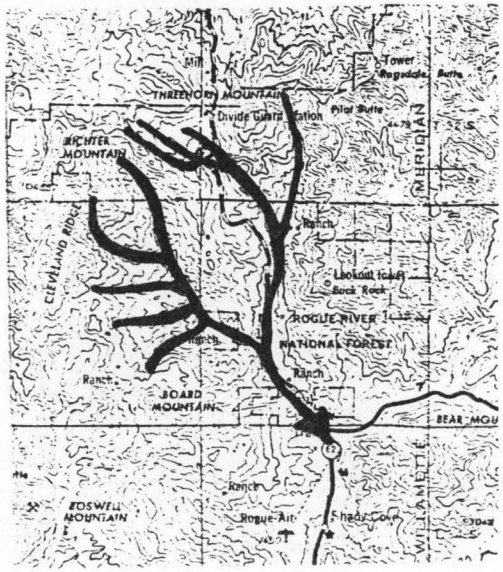
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 102 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0018

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 35, T33S, R1W	
D. Latitude, Longitude	42°39'N, 122°48'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	148.7 to 151.9	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

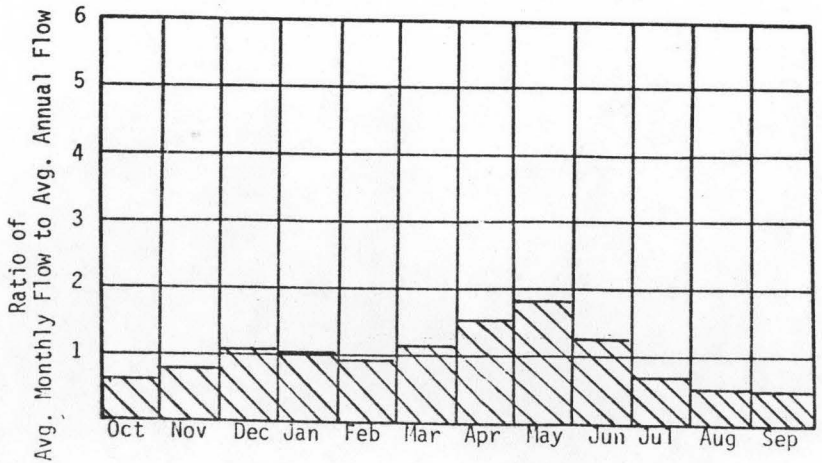
A. Upstream Elevation of Reach	1456	Ft. MSL
B. Downstream Elevation of Reach	1390	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	20.6	Ft./Mi.
E. Drainage Area above Reach Mouth	1099	Sq.Mi.
F. Inflow Classification	Regulated	

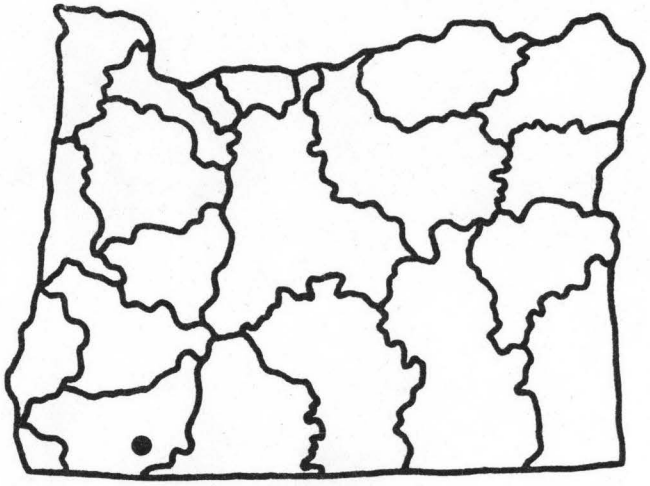
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	271.6	1.52	13.31	1.000
80	457.1	2.56	21.26	.949
50	1272.2	7.12	47.22	.758
30	2335.6	13.06	68.06	.595
10	4547.9	25.44	89.74	.403

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2291 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-090-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 4, T33S, R1E	
D. Latitude, Longitude	42°43'N, 122°44'W	
E. Stream Name	Elk Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 11.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

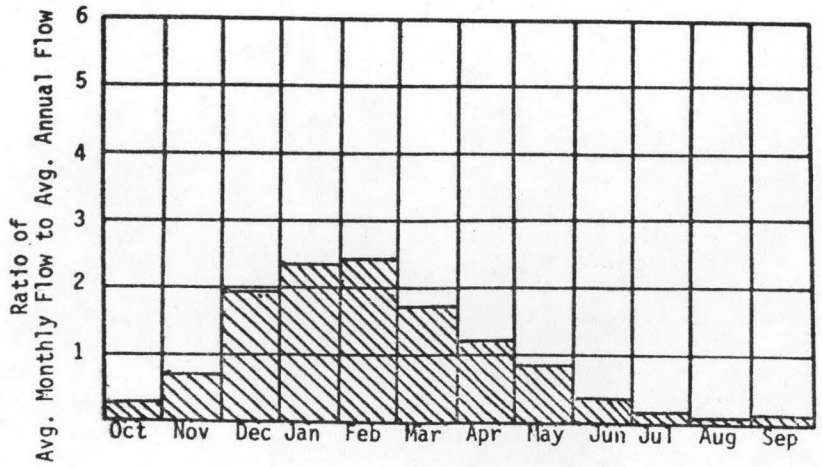
A. Upstream Elevation of Reach	1865	Ft. MSL
B. Downstream Elevation of Reach	1456	Ft. MSL
C. Total Available Head in Reach	409	Ft.
D. Average Slope in Reach	35	Ft./Mi.
E. Drainage Area above Reach Mouth	140	Sq.Mi.
F. Inflow Classification	Natural	

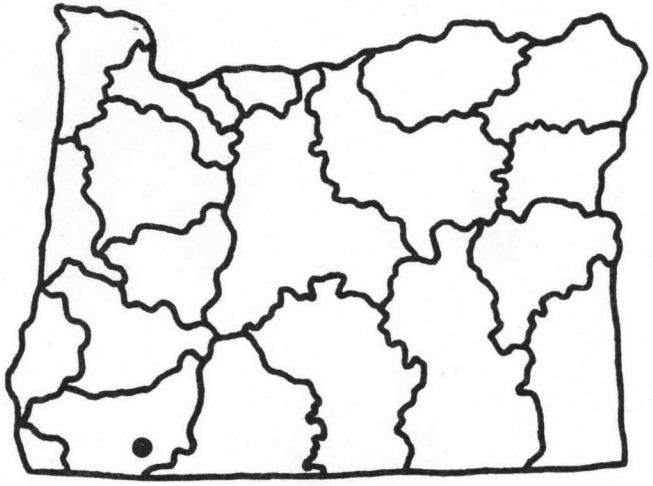
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	20.2	.70	6.12	1.000
80	40.3	1.40	11.46	.938
50	117.6	4.08	26.72	.748
30	234.4	8.12	40.91	.575
10	483.2	16.75	56.02	.382

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 230 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-090-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 5, T32S, R2E	
D. Latitude, Longitude	42°48'N, 122°37'W	
E. Stream Name	Elk Creek	
F. Major Basin Name	Rogue	
G. River Mile	11.5 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

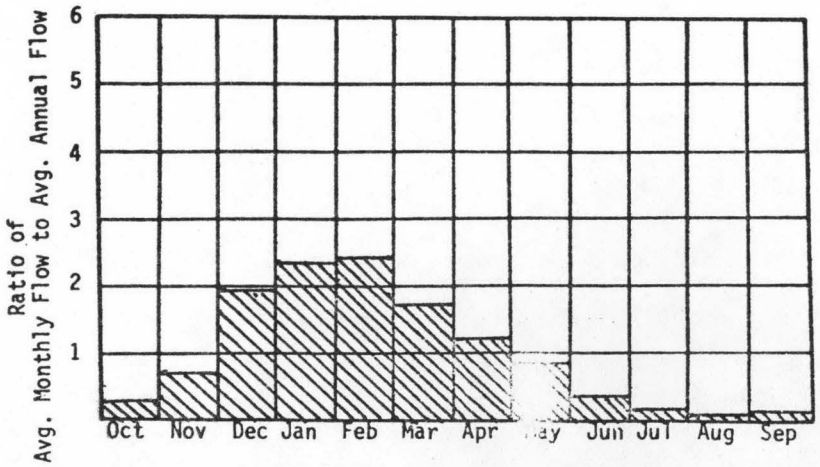
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	57	Sq.Mi.
F. Inflow Classification	Natural	

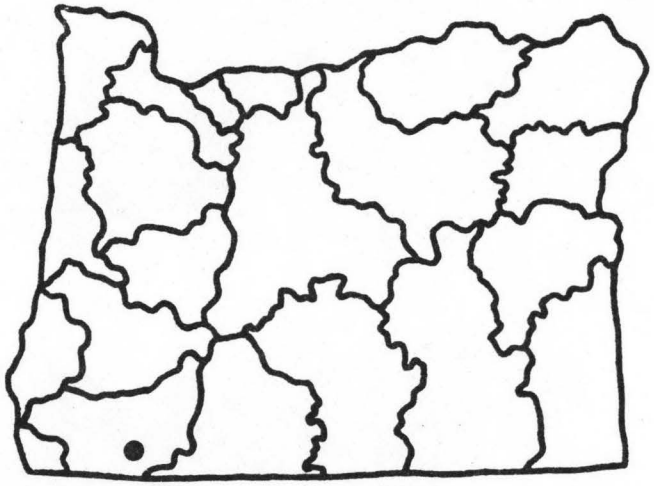
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.1	.05	.45	1.000
80	19.1	.11	.88	.934
50	56.7	.32	2.07	.746
30	115.8	.65	3.23	.569
10	243.0	1.36	4.48	.376

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 114 CFS





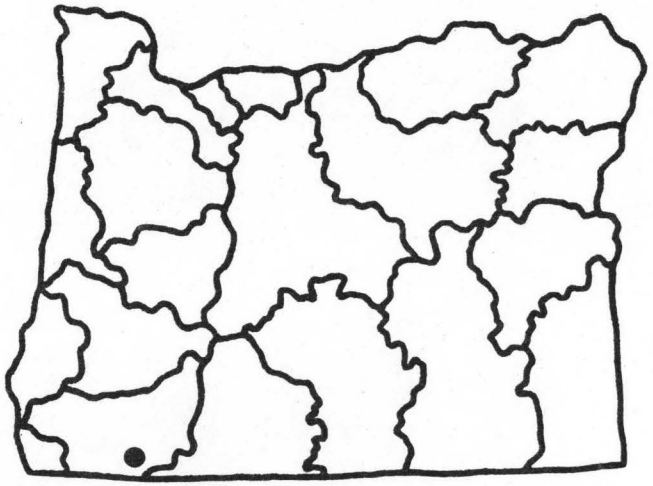
U.S.G.S. TOPO. SERIES.
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0019

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 32, T33S, R1E
D.	Latitude, Longitude	42°39'N, 123°44'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	151.9 to 155.3



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	1520	Ft. MSL
B.	Downstream Elevation of Reach	1456	Ft. MSL
C.	Total Available Head in Reach	64	Ft.
D.	Average Slope in Reach	19	Ft./Mi.
E.	Drainage Area above Reach Mouth	947	Sq.Mi.
F.	Inflow Classification	Regulated	

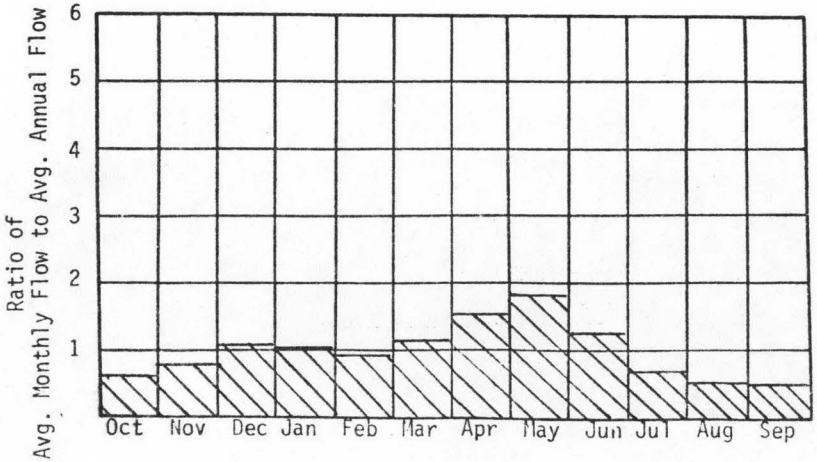
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	232.1	1.26	11.03	1.000
80	394.7	2.14	17.79	.949
50	1101.6	5.97	39.62	.757
30	2032.5	11.02	57.31	.593
10	3971.4	21.54	75.73	.401

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1994 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-095-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 24, T34S, R1E
D.	Latitude, Longitude	42°36'N, 122°40'W
E.	Stream Name	Big Butte Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 11.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

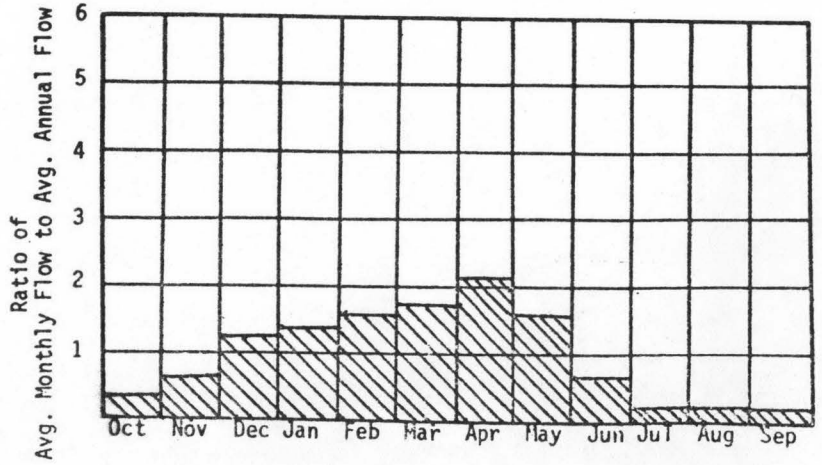
A.	Upstream Elevation of Reach	2176	Ft. MSL
B.	Downstream Elevation of Reach	1520	Ft. MSL
C.	Total Available Head in Reach	656	Ft.
D.	Average Slope in Reach	57	Ft./Mi.
E.	Drainage Area above Reach Mouth	252	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

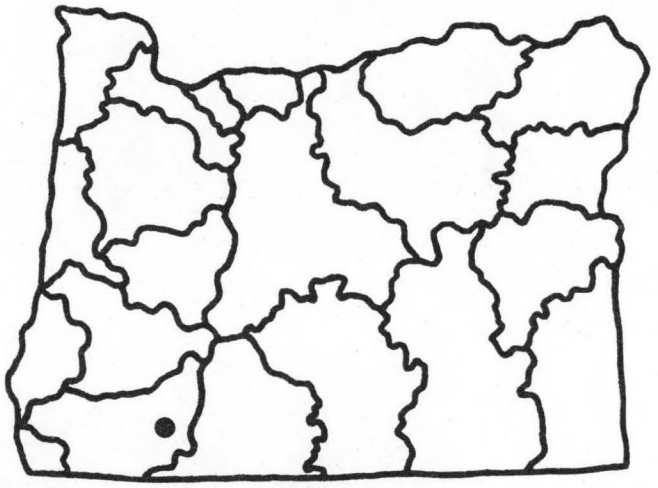
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	30.5	1.69	14.84	1.000
80	59.2	3.29	27.09	.939
50	171.6	9.54	62.66	.750
30	337.6	18.77	95.00	.578
10	689.8	38.35	129.30	.385

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 332 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-095-015-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 12, T35S, R2E	
D. Latitude, Longitude	42°32'N, 122°33'W	
E. Stream Name	South Fork Big Butte Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 7.4	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

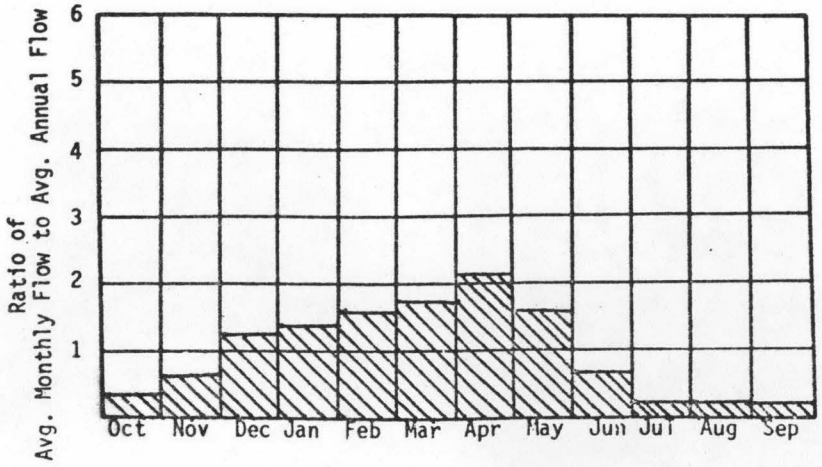
A. Upstream Elevation of Reach	2633	Ft. MSL
B. Downstream Elevation of Reach	2176	Ft. MSL
C. Total Available Head in Reach	457	Ft.
D. Average Slope in Reach	62	Ft./Mi.
E. Drainage Area above Reach Mouth	145	Sq.Mi.
F. Inflow Classification	Slightly Regulated	

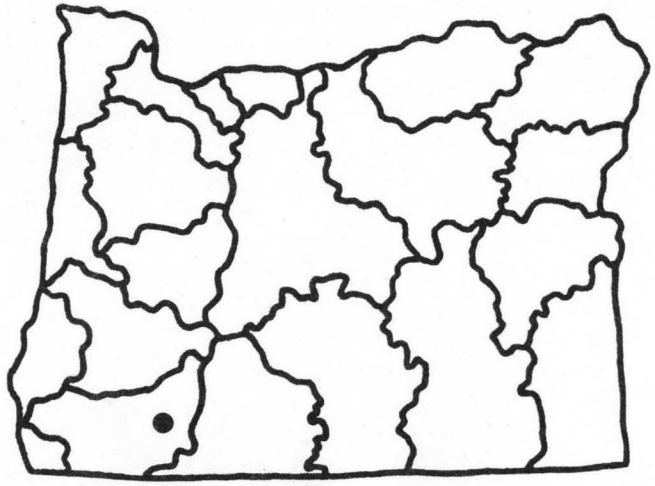
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	17.1	.66	5.79	1.000
80	34.5	1.33	10.96	.937
50	101.0	3.91	25.62	.748
30	202.3	7.84	39.38	.574
10	418.7	16.22	54.06	.381

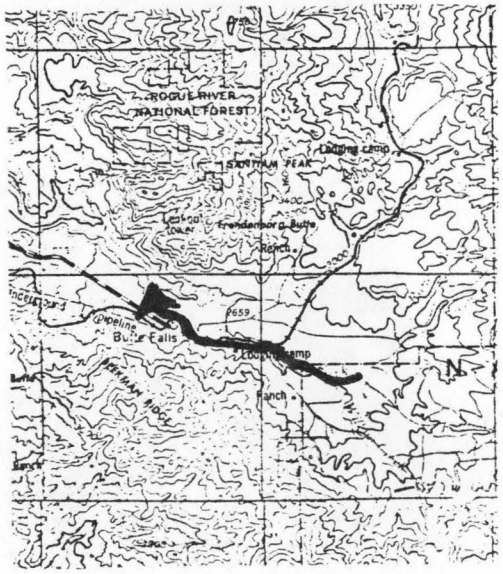
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 199 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

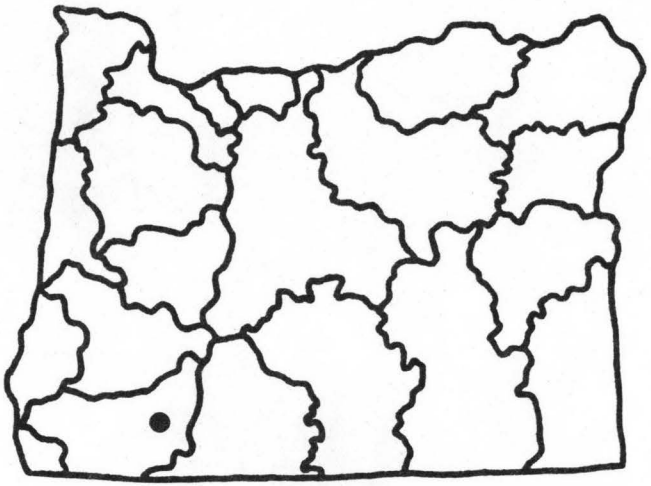


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-095-015-005-R0001

I. LOCATION

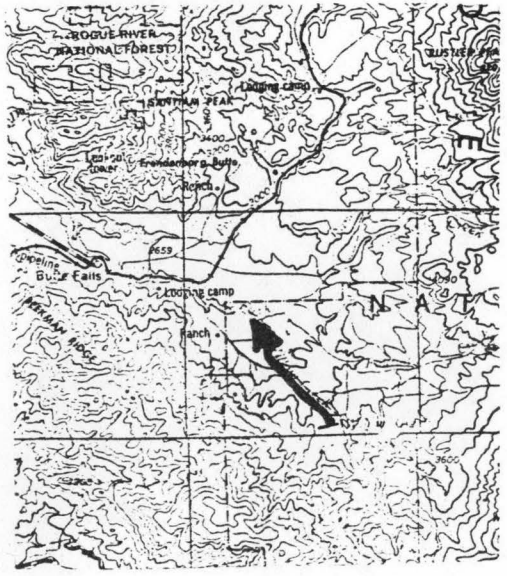
A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 12, T36S, R3E
D.	Latitude, Longitude	42°27'N, 122°26'W
E.	Stream Name	Willow Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to H.W.



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	55	Sq.Mi.
F.	Inflow Classification	Regulated	

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

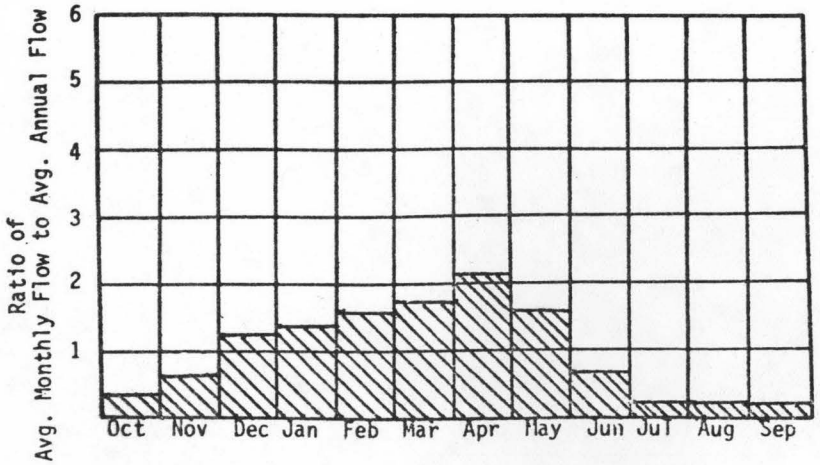


III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.2	.03	.25	1.000
80	11.3	.06	.52	.932
50	33.9	.19	1.24	.744
30	70.6	.39	1.96	.565
10	149.9	.84	2.73	.372

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 69 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-095-015-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 9, T34S, R4E
D.	Latitude, Longitude	42°33'N, 122°22'W
E.	Stream Name	South Fork Big Butte Creek
F.	Major Basin Name	Rogue
G.	River Mile	7.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

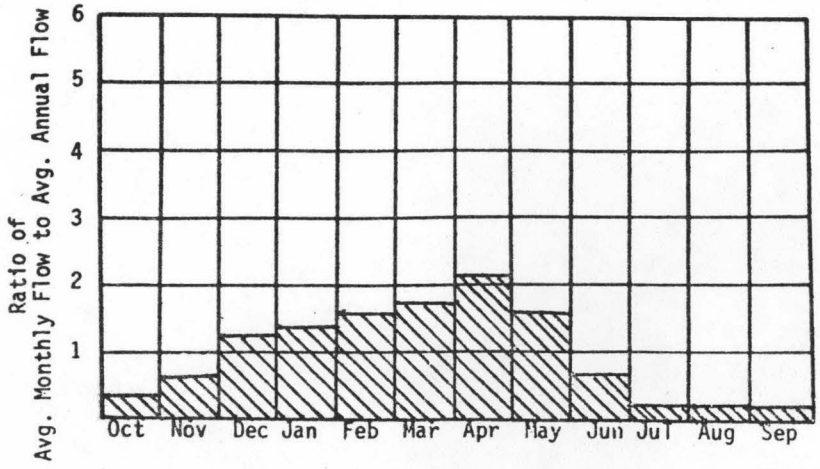
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	70	Sq.Mi.
F.	Inflow Classification	Natural	

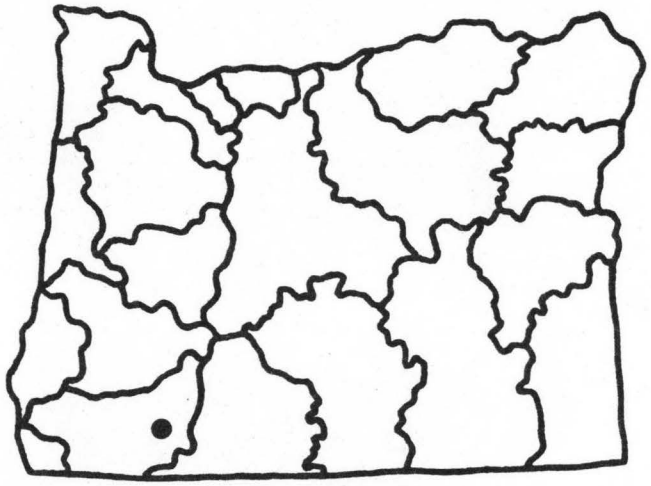
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.2	.05	.45	1.000
80	19.3	.11	.88	.934
50	57.2	.32	2.09	.746
30	116.9	.65	3.26	.569
10	245.2	1.37	4.52	.376

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 115 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0020

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 19, T33S, R2E
D.	Latitude, Longitude	42°41'N, 122°37'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	155.3 to 167.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

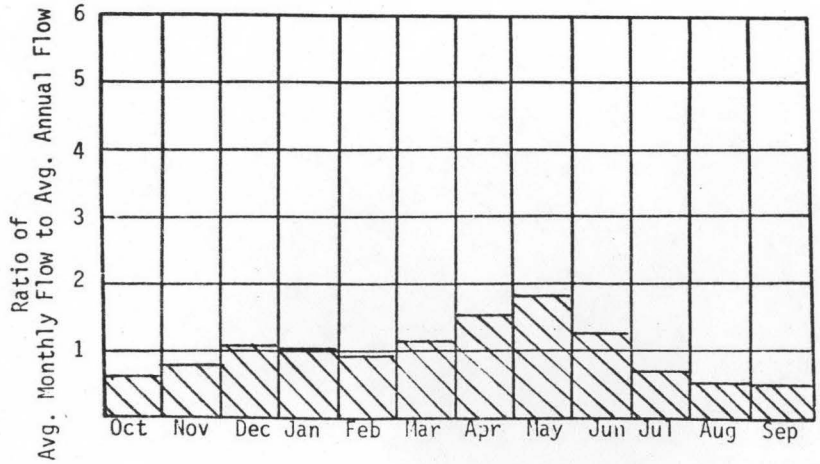
A.	Upstream Elevation of Reach	1854	Ft. MSL
B.	Downstream Elevation of Reach	1520	Ft. MSL
C.	Total Available Head in Reach	334	Ft.
D.	Average Slope in Reach	28	Ft./Mi.
E.	Drainage Area above Reach Mouth	689	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

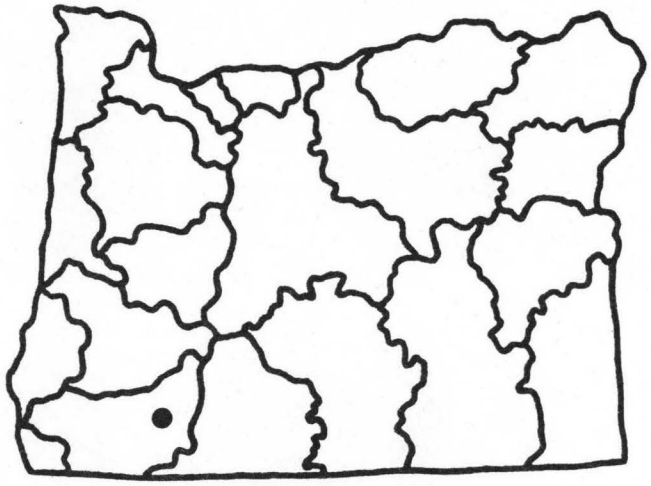
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	175.8	4.98	43.59	1.000
80	304.5	8.62	71.51	.947
50	854.1	24.18	160.10	.756
30	1589.9	45.00	233.07	.591
10	3125.6	88.47	309.22	.399

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1560 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 7, T33S, R3E	
D. Latitude, Longitude	42°43'N, 122°32'W	
E. Stream Name	South Fork Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 3.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

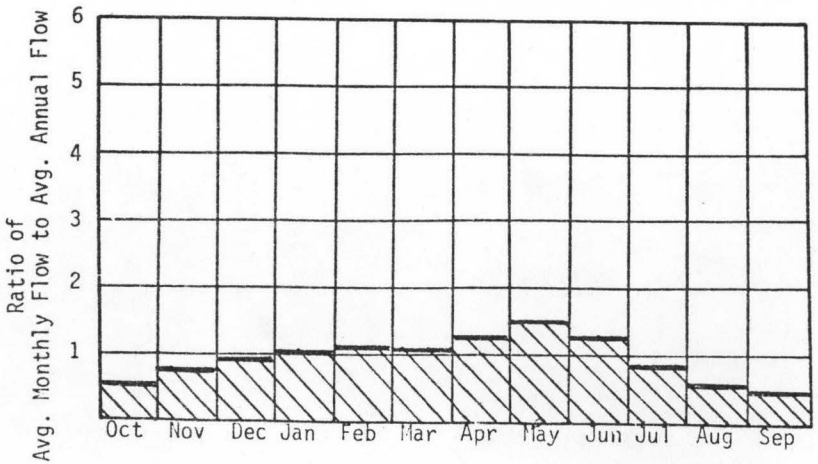
A. Upstream Elevation of Reach	2105	Ft. MSL
B. Downstream Elevation of Reach	1854	Ft. MSL
C. Total Available Head in Reach	251	Ft.
D. Average Slope in Reach	70	Ft./Mi.
E. Drainage Area above Reach Mouth	251	Sq.Mi.
F. Inflow Classification	Slightly Regulated	

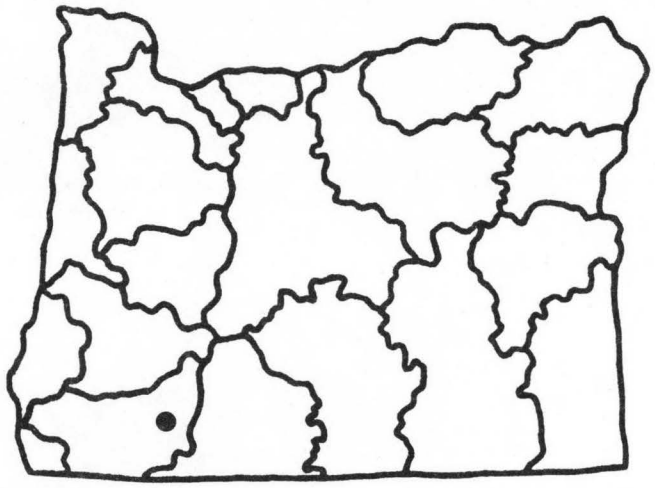
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	60.5	1.29	11.28	1.000
80	112.4	2.39	19.74	.942
50	321.7	6.84	45.09	.752
30	619.4	13.18	67.28	.583
10	1246.6	26.52	90.66	.390

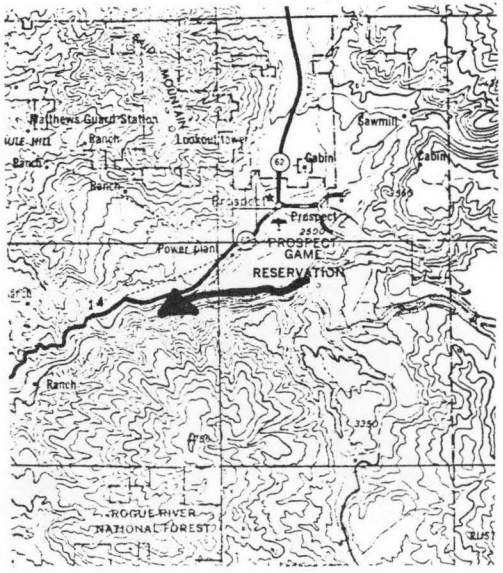
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 608 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 3, T33S, R3E
D.	Latitude, Longitude	42°42'N, 122°30'W
E.	Stream Name	South Fork Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	3.6 to 4.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

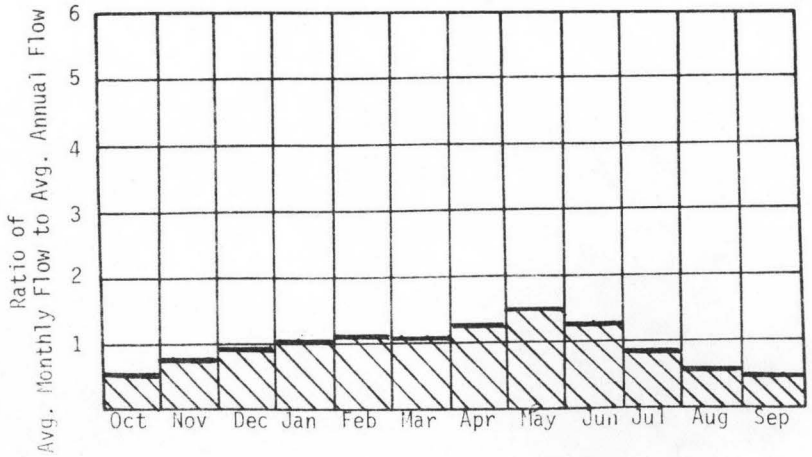
A.	Upstream Elevation of Reach	2132	Ft. MSL
B.	Downstream Elevation of Reach	2105	Ft. MSL
C.	Total Available Head in Reach	27	Ft.
D.	Average Slope in Reach	24.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	214	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

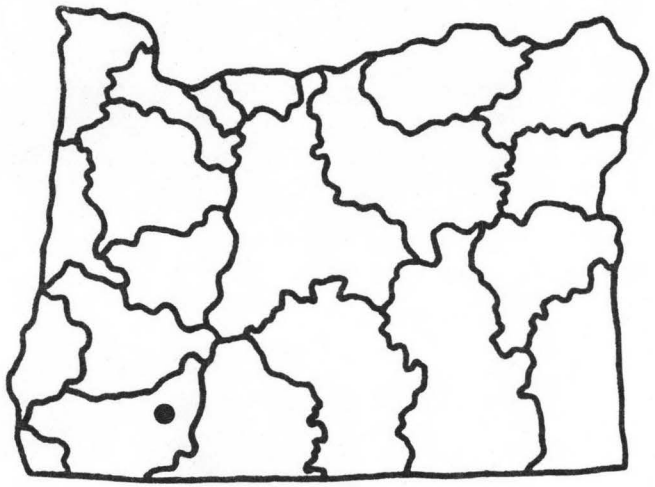
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	52.8	.12	1.06	1.000
80	98.9	.23	1.87	.942
50	283.7	.65	4.27	.752
30	548.6	1.26	6.40	.582
10	1107.4	2.53	8.64	.389

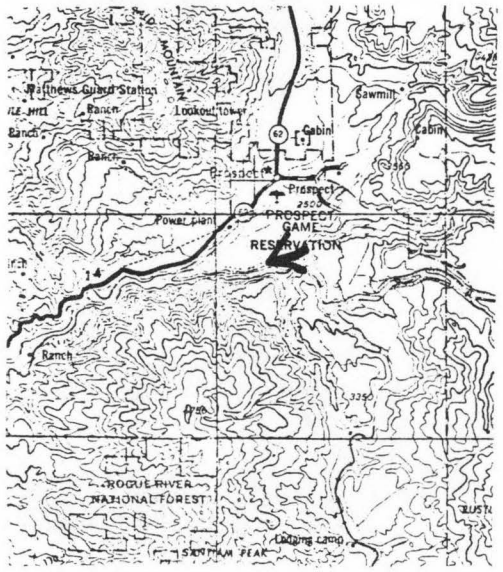
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 539 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-020-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 4, T33S, R3W
D.	Latitude, Longitude	42°43'N, 122°29'W
E.	Stream Name	Middle Fork Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 0.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

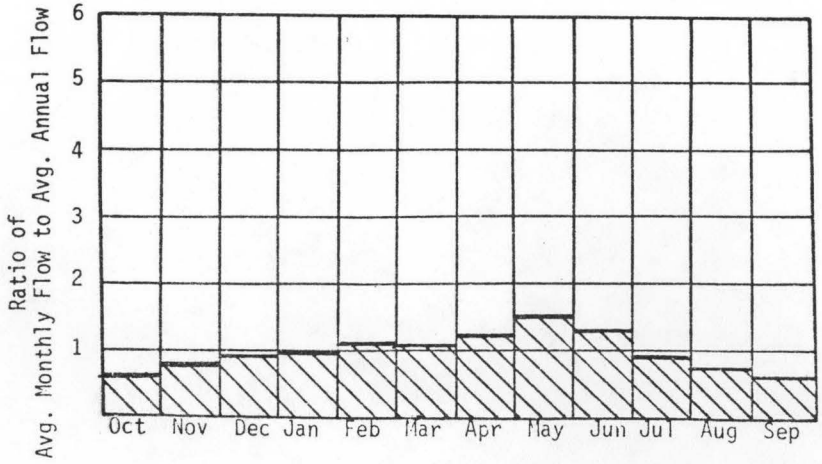
A.	Upstream Elevation of Reach	2200	Ft. MSL
B.	Downstream Elevation of Reach	2132	Ft. MSL
C.	Total Available Head in Reach	68	Ft.
D.	Average Slope in Reach	113	Ft./Mi.
E.	Drainage Area above Reach Mouth	120	Sq.Mi.
F.	Inflow Classification	Natural	

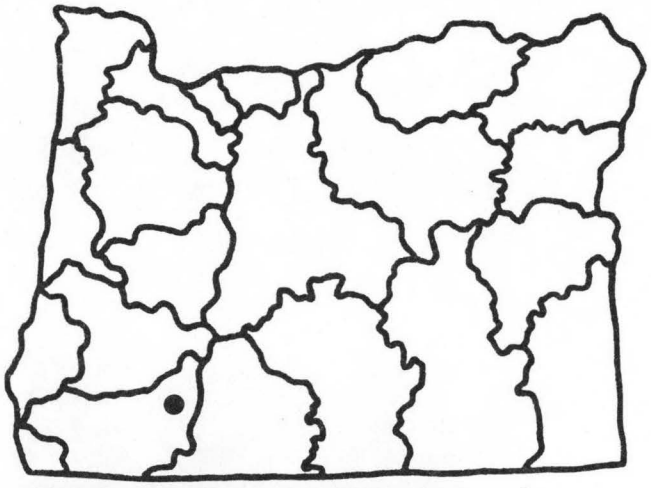
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	27.2	.16	1.37	1.000
80	53.3	.31	2.53	.939
50	154.8	.89	5.86	.749
30	305.6	1.76	8.90	.577
10	625.9	3.61	12.13	.384

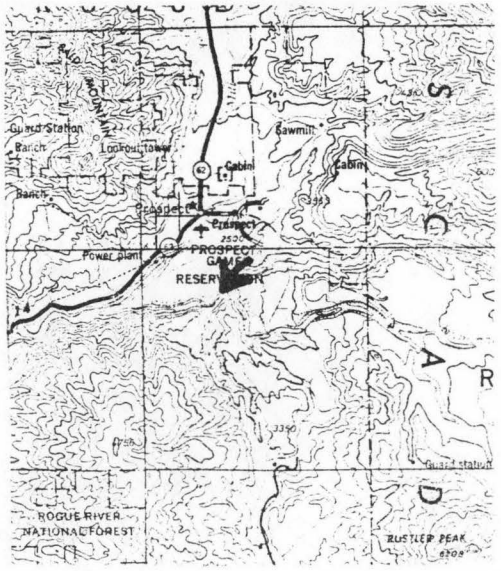
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 300 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-020-005-R0001

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 34, T32S, R3W	
D. Latitude, Longitude	42°44'N, 122°28'W	
E. Stream Name	Red Blanket Creek	
F. Major Basin Name	Rogue	
G. River Mile	0.0 to 3.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

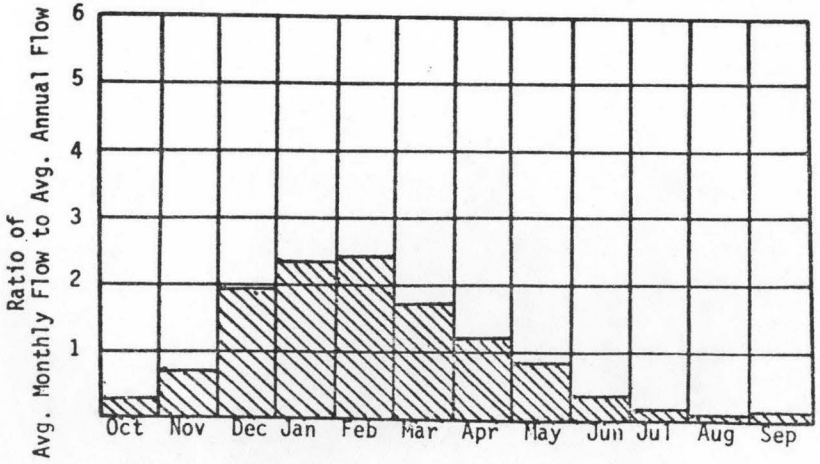
A. Upstream Elevation of Reach	2622	Ft. MSL
B. Downstream Elevation of Reach	2200	Ft. MSL
C. Total Available Head in Reach	422	Ft.
D. Average Slope in Reach	140	Ft./Mi.
E. Drainage Area above Reach Mouth	53	Sq.Mi.
F. Inflow Classification	Natural	

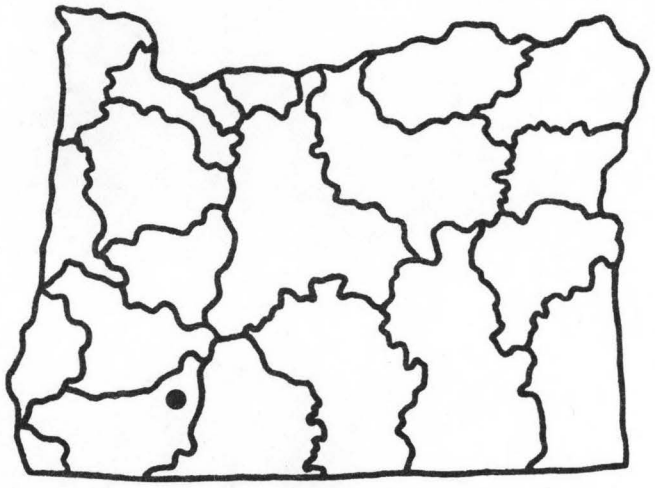
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.9	.39	3.42	1.000
80	22.7	.81	6.65	.935
50	67.1	2.40	15.69	.747
30	136.3	4.87	24.36	.571
10	284.8	10.19	33.67	.377

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 134 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-020-005-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 13, T32S, R3E
D.	Latitude, Longitude	42°47'N, 122°26'W
E.	Stream Name	Red Blanket Creek
F.	Major Basin Name	Rogue
G.	River Mile	4.6 to 7.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

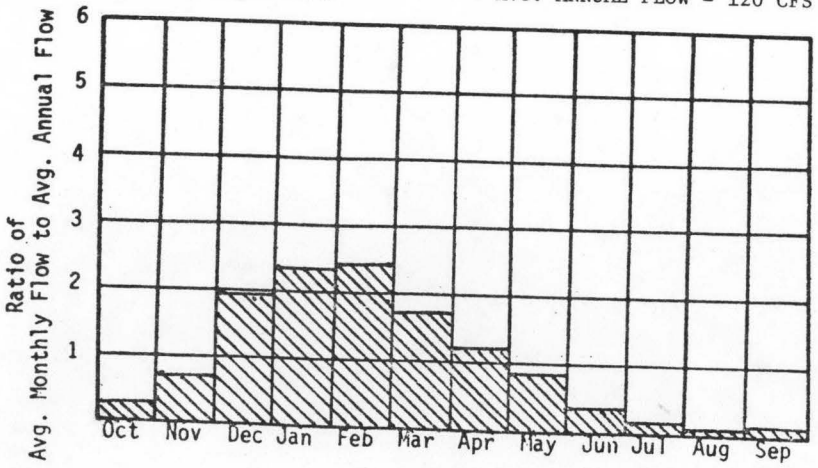
A.	Upstream Elevation of Reach	3071	Ft. MSL
B.	Downstream Elevation of Reach	2654	Ft. MSL
C.	Total Available Head in Reach	417	Ft.
D.	Average Slope in Reach	130	Ft./Mi.
E.	Drainage Area above Reach Mouth	50	Sq.Mi.
F.	Inflow Classification	Natural	

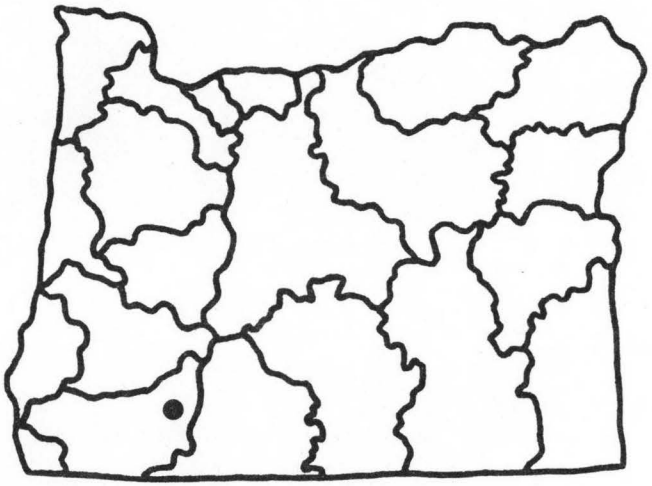
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.7	.34	3.00	1.000
80	20.3	.72	5.87	.935
50	60.0	2.12	13.87	.746
30	122.5	4.33	21.60	.570
10	256.7	9.07	29.91	.376

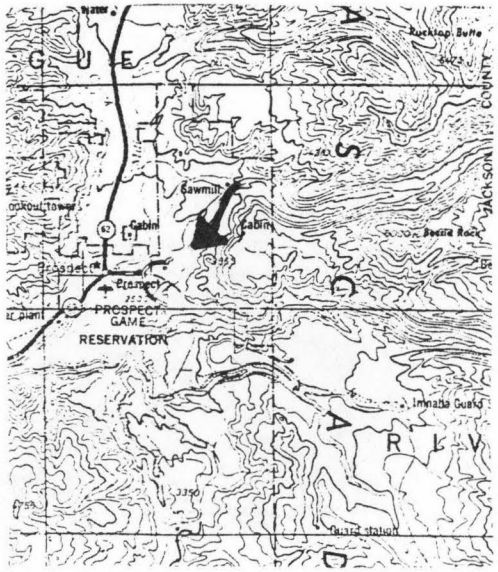
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 120 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-020-005-R0003

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 15, T32S, R4E	
D. Latitude, Longitude	42°47'N, 122°21'W	
E. Stream Name	Red Blanket Creek	
F. Major Basin Name	Rogue	
G. River Mile	7.8 to 13.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

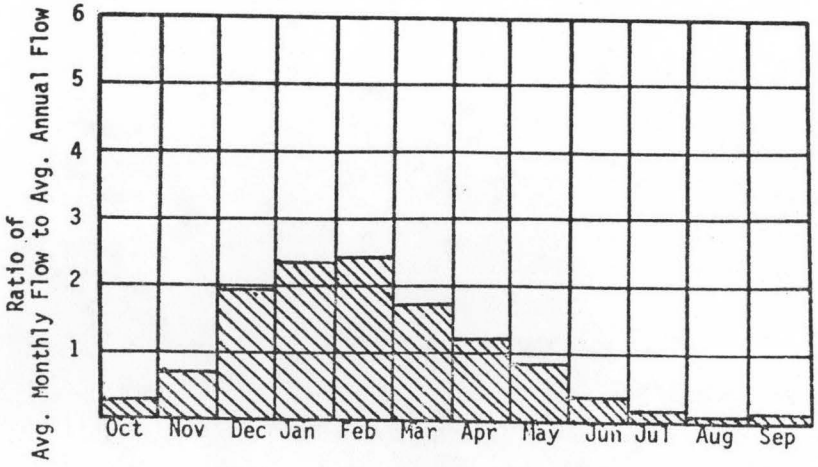
A. Upstream Elevation of Reach	3576	Ft. MSL
B. Downstream Elevation of Reach	3071	Ft. MSL
C. Total Available Head in Reach	505	Ft.
D. Average Slope in Reach	97	Ft./Mi.
E. Drainage Area above Reach Mouth	42	Sq.Mi.
F. Inflow Classification	Natural	

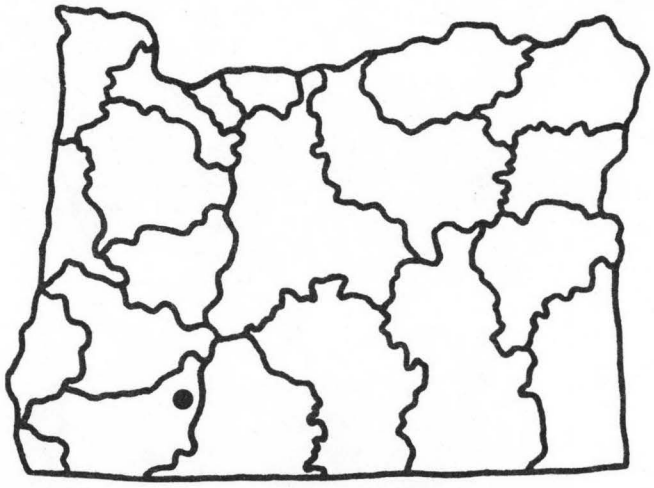
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.3	.31	2.74	1.000
80	15.6	.67	5.45	.934
50	46.4	1.98	12.95	.745
30	95.4	4.08	20.31	.568
10	201.2	8.61	28.25	.374

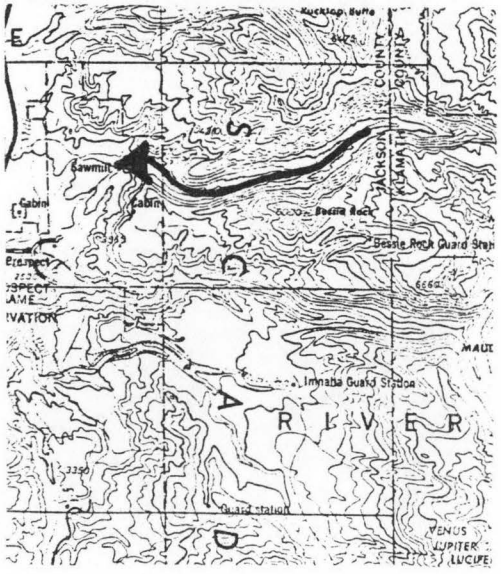
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 94 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-020-005-R0004

I. LOCATION

A.	State	Oregon
B.	County	Klamath
C.	Township, Range	T32S, R5E
D.	Latitude, Longitude	42°48'N, 122°16'W
E.	Stream Name	Red Blanket Creek
F.	Major Basin Name	Rogue
G.	River Mile	13.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

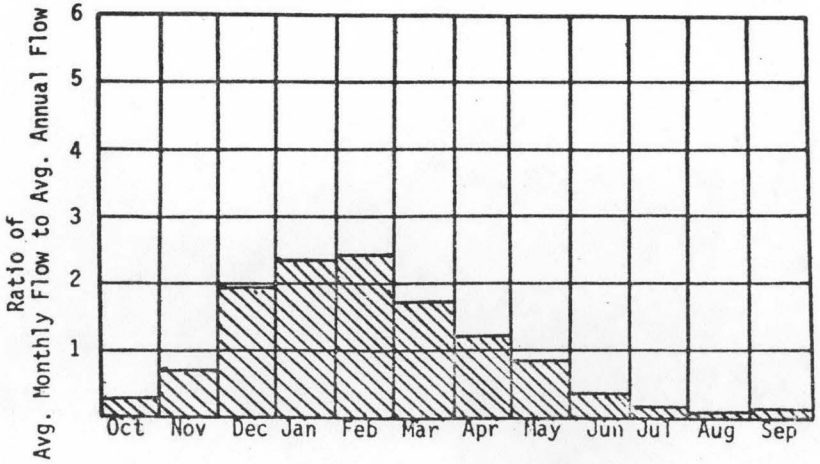
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	29	Sq.Mi.
F.	Inflow Classification	Natural	

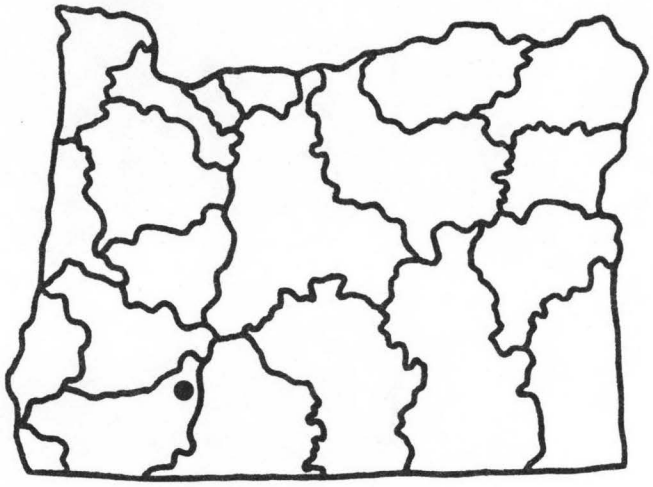
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.8	.03	.28	1.000
80	12.6	.07	.58	.933
50	37.6	.21	1.37	.745
30	78.0	.44	2.16	.566
10	165.3	.92	3.02	.373

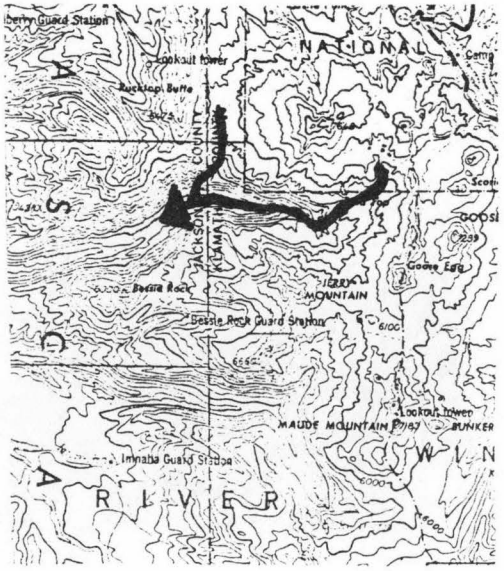
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-020-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 1, T33S, R3E	
D. Latitude, Longitude	42°44'N, 122°26'W	
E. Stream Name	Middle Fork Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	0.6 to 7.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

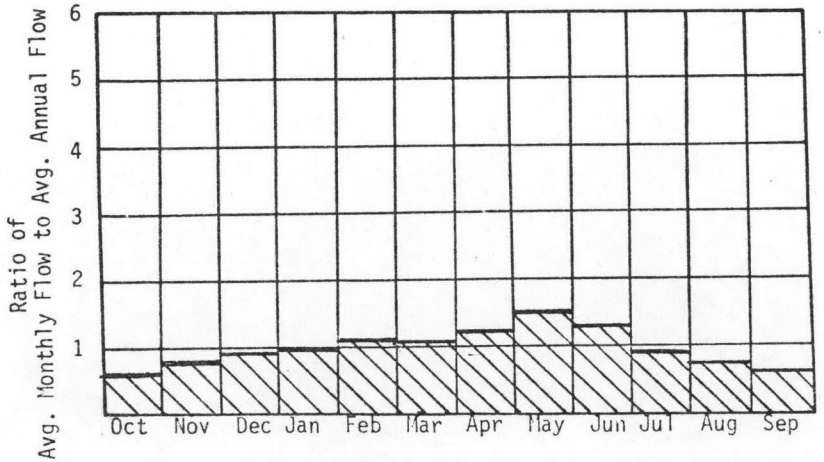
A. Upstream Elevation of Reach	2900	Ft. MSL
B. Downstream Elevation of Reach	2200	Ft. MSL
C. Total Available Head in Reach	700	Ft.
D. Average Slope in Reach	109	Ft./Mi.
E. Drainage Area above Reach Mouth	66	Sq.Mi.
F. Inflow Classification	Natural	

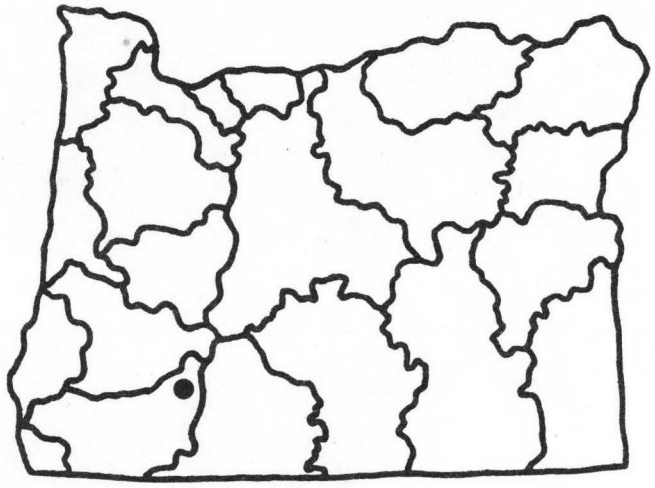
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.1	.66	5.77	1.000
80	23.0	1.37	11.20	.935
50	68.1	4.04	26.40	.747
30	138.2	8.20	40.99	.571
10	288.8	17.13	56.64	.377

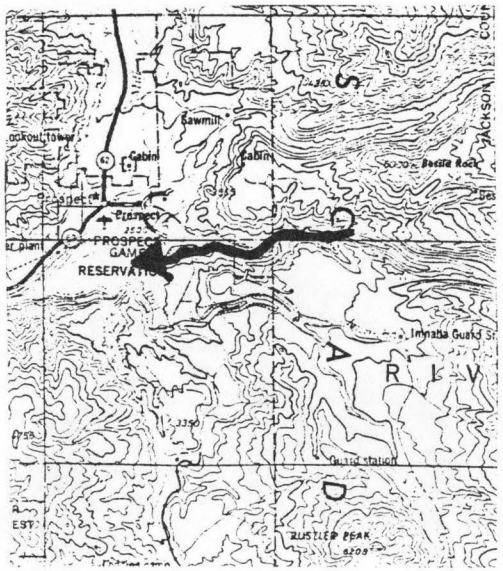
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 136 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-020-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Jackson/Klamath
C.	Township, Range	Sec. 1, T33S, R4E
D.	Latitude, Longitude	42°43'N, 122°19'W
E.	Stream Name	Middle Fork Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	7.0 to 14.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

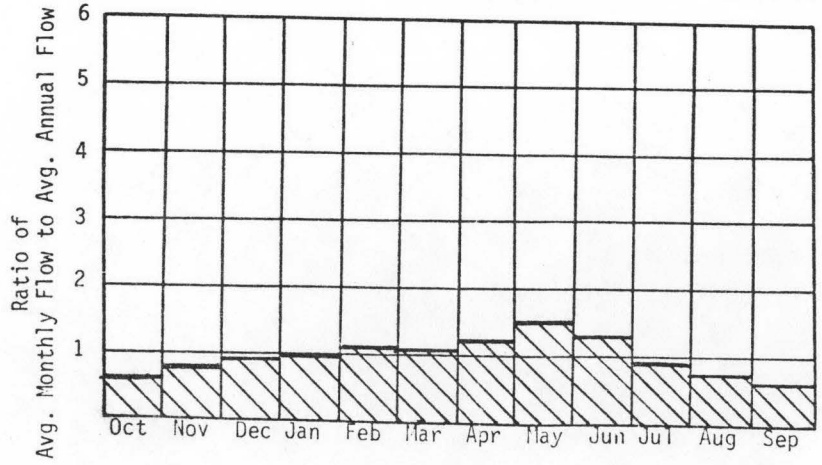
A.	Upstream Elevation of Reach	4010	Ft. MSL
B.	Downstream Elevation of Reach	2900	Ft. MSL
C.	Total Available Head in Reach	1110	Ft.
D.	Average Slope in Reach	142	Ft./Mi.
E.	Drainage Area above Reach Mouth	42	Sq.Mi.
F.	Inflow Classification	Natural	

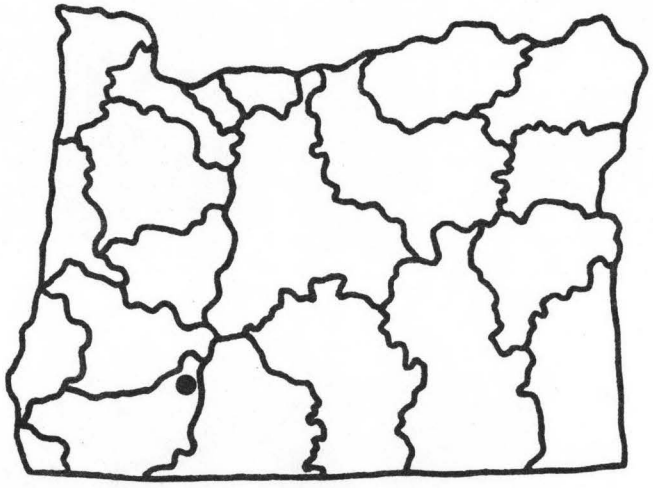
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.2	.68	5.91	1.000
80	15.3	1.44	11.80	.933
50	45.7	4.29	28.04	.745
30	94.0	8.85	43.98	.568
10	198.3	18.66	61.17	.374

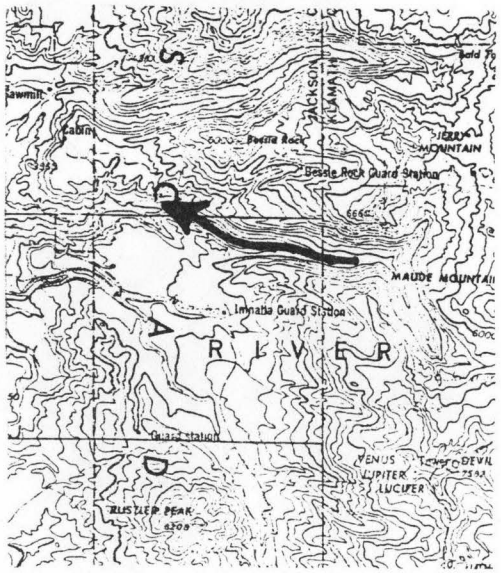
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 92 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-020-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Klamath
C.	Township, Range	T33S, R5E
D.	Latitude, Longitude	42°41'N, 122°15'W
E.	Stream Name	Middle Fork Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	14.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

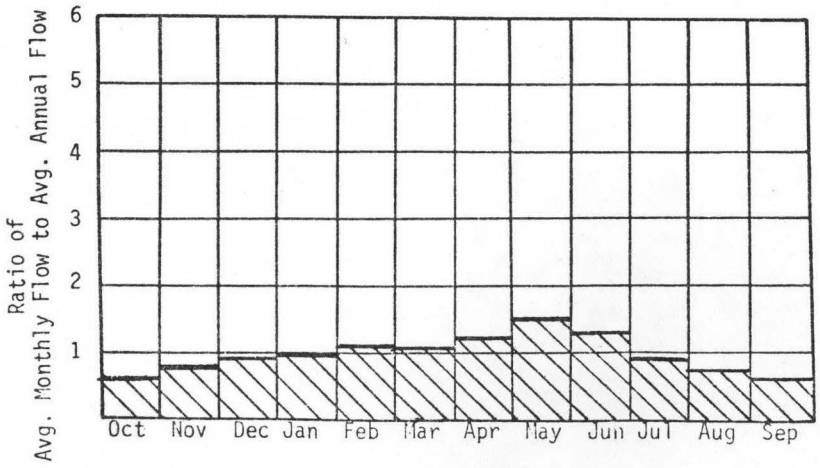
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	30	Sq.Mi.
F.	Inflow Classification	Natural	

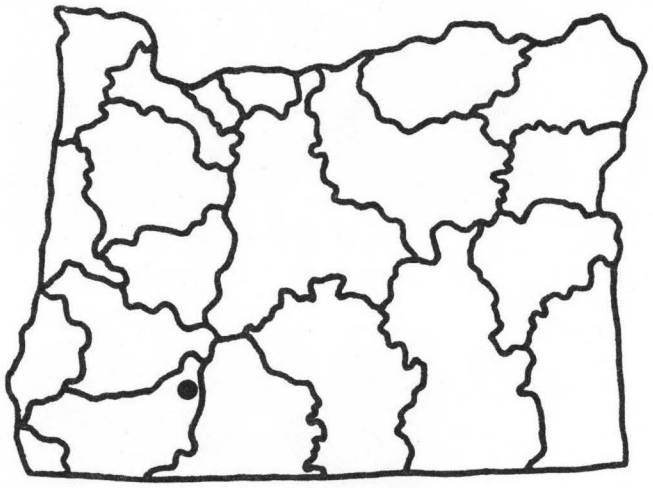
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.8	.03	.28	1.000
80	12.5	.07	.57	.933
50	37.3	.21	1.36	.745
30	77.4	.43	2.15	.566
10	163.9	.92	2.99	.373

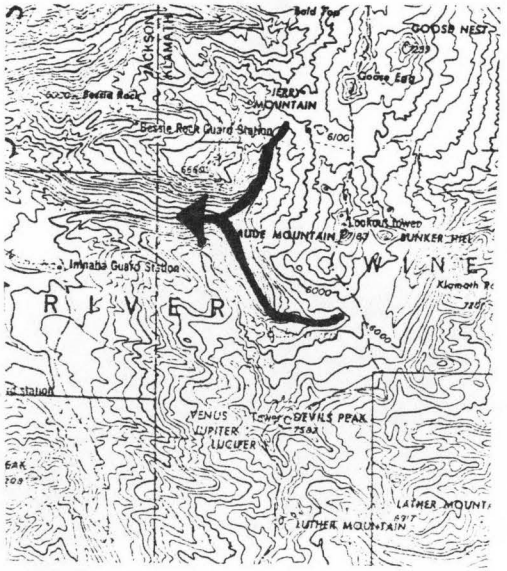
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 76 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 15, T33S, R3E	
D. Latitude, Longitude	42°42'N, 122°28'W	
E. Stream Name	South Fork Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	4.5 to 10.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

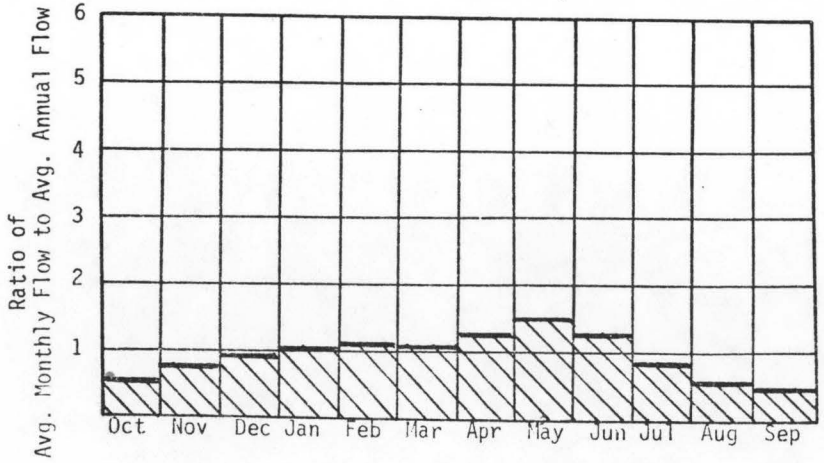
A. Upstream Elevation of Reach	3378	Ft. MSL
B. Downstream Elevation of Reach	2132	Ft. MSL
C. Total Available Head in Reach	1246	Ft.
D. Average Slope in Reach	207	Ft./Mi.
E. Drainage Area above Reach Mouth	93	Sq.Mi.
F. Inflow Classification	Natural	

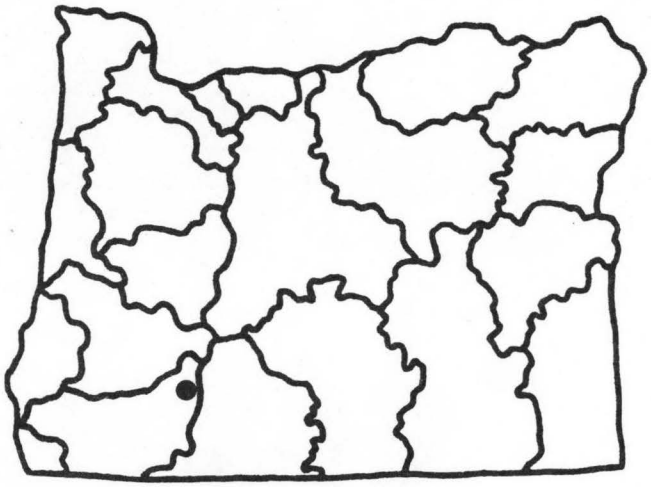
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	19.2	2.02	17.73	1.000
80	38.4	4.06	33.30	.937
50	112.3	11.85	77.71	.748
30	224.1	23.67	119.10	.574
10	462.6	48.85	163.22	.381

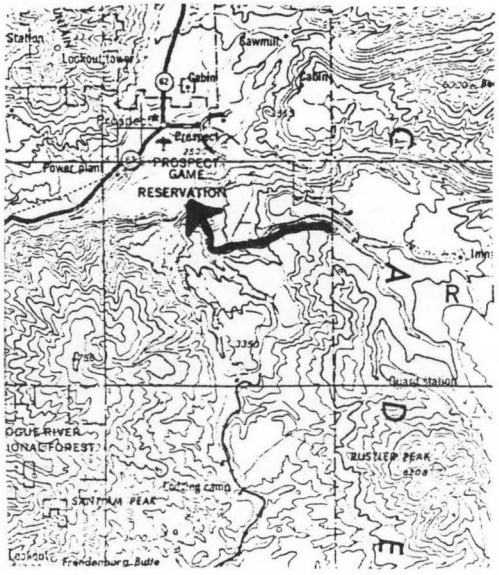
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 220 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-000-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 27, T33S, R4E	
D. Latitude, Longitude	42°40'N, 122°22'W	
E. Stream Name	South Fork Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	10.5 to 17.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

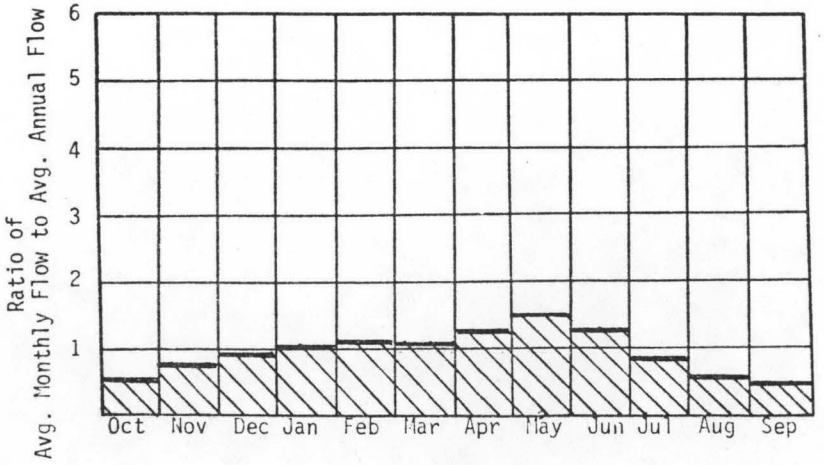
A. Upstream Elevation of Reach	4800	Ft. MSL
B. Downstream Elevation of Reach	3378	Ft. MSL
C. Total Available Head in Reach	1422	Ft.
D. Average Slope in Reach	218	Ft./Mi.
E. Drainage Area above Reach Mouth	57	Sq.Mi.
F. Inflow Classification	Natural	

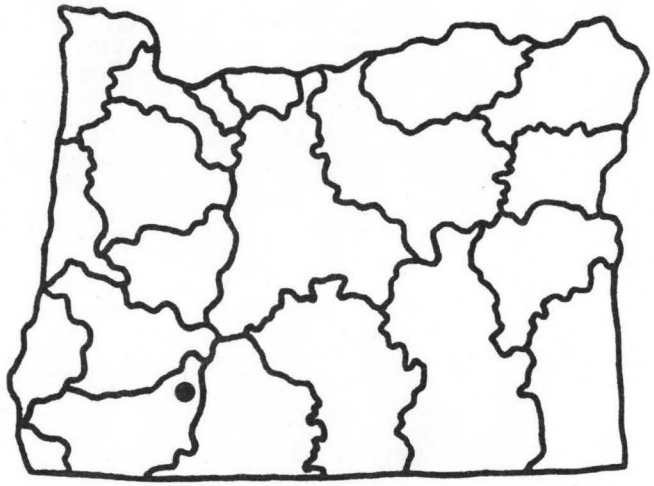
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.8	1.06	9.31	1.000
80	18.6	2.24	18.34	.934
50	55.1	6.64	43.42	.746
30	112.8	13.60	67.77	.569
10	236.9	28.55	93.97	.376

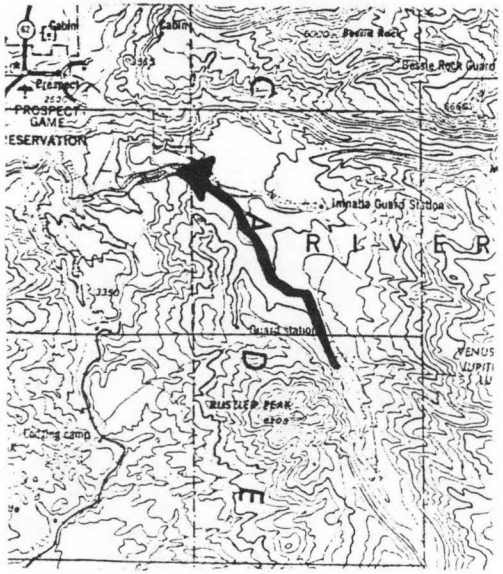
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 111 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-105-000-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Jackson/Klamath	
C. Township, Range	Sec. 24, T34S, R4E	
D. Latitude, Longitude	42°35'N, 122°19'W	
E. Stream Name	South Fork Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	17.0 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

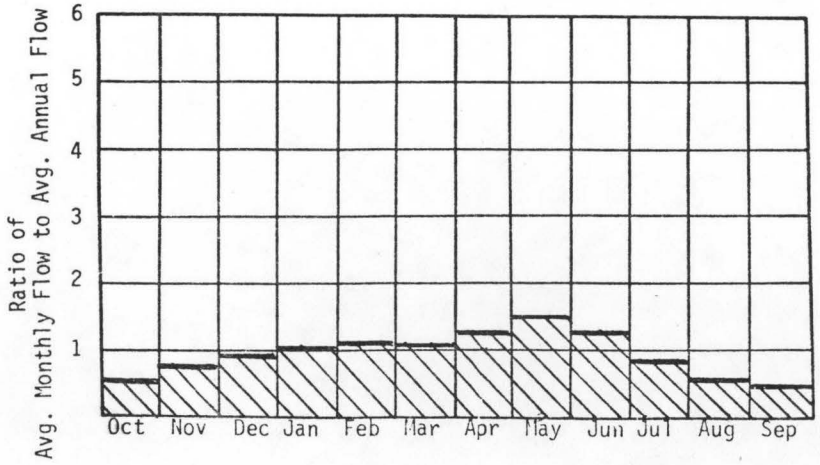
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	33	Sq.Mi.
F. Inflow Classification	Natural	

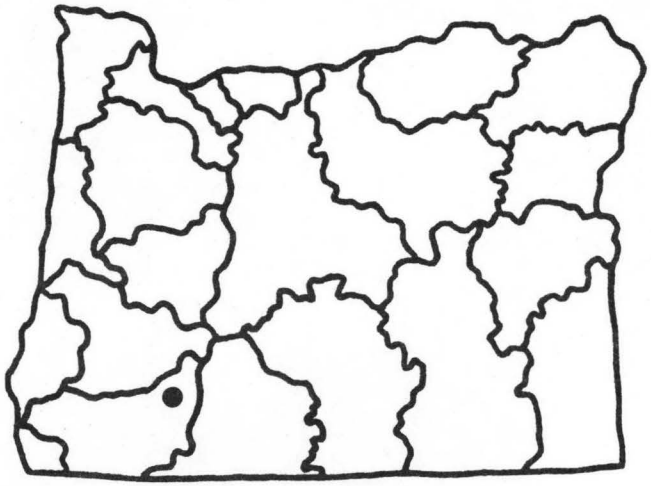
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.1	.03	.30	1.000
80	13.1	.07	.60	.933
50	39.2	.22	1.43	.745
30	81.2	.45	2.25	.567
10	171.9	.96	3.14	.373

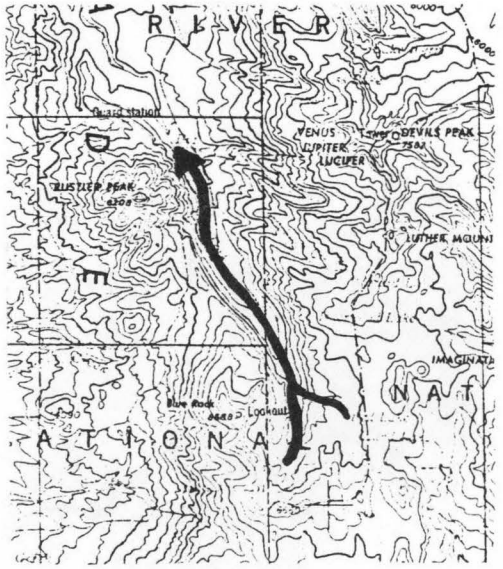
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 80 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0021

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 6, T33S, R3E
D.	Latitude, Longitude	42°44'N, 122°32'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	167.3 to 170.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

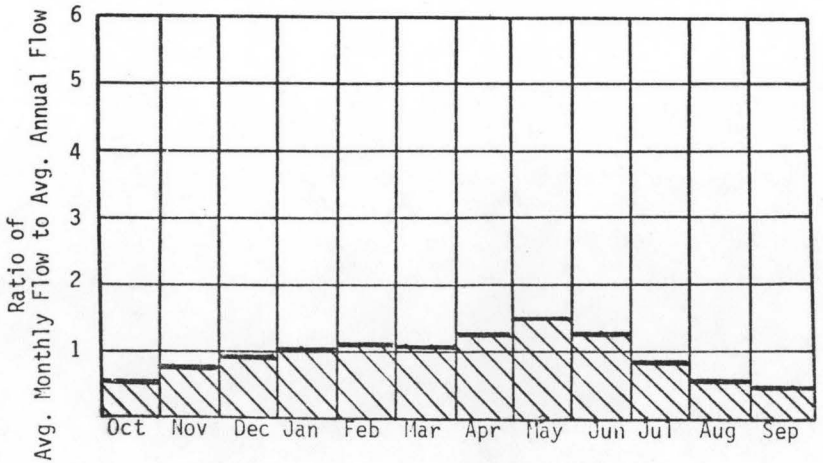
A.	Upstream Elevation of Reach	2032	Ft. MSL
B.	Downstream Elevation of Reach	1854	Ft. MSL
C.	Total Available Head in Reach	178	Ft.
D.	Average Slope in Reach	51	Ft./Mi.
E.	Drainage Area above Reach Mouth	384	Sq.Mi.
F.	Inflow Classification	Slightly Regulated	

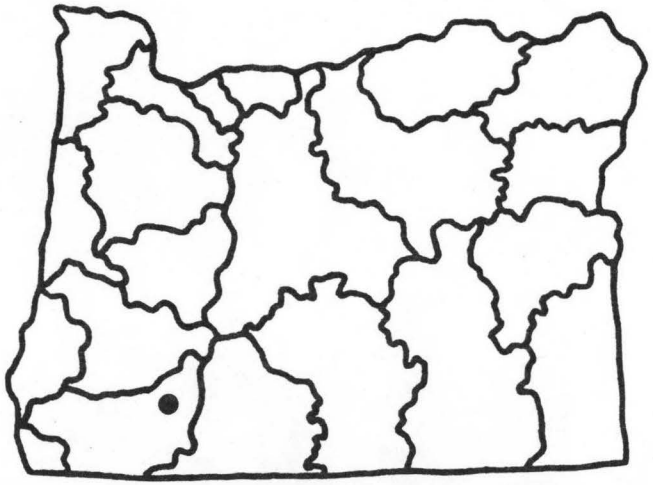
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	92.5	1.40	12.22	1.000
80	167.1	2.52	20.85	.944
50	474.5	7.16	47.25	.754
30	901.3	13.60	69.81	.586
10	1797.0	27.11	93.48	.394

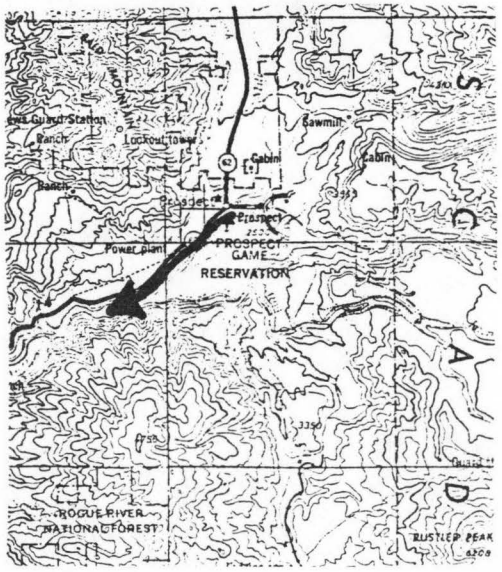
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 885 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-115-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 16, T32S, R3E
D.	Latitude, Longitude	42°47'N, 122°29'W
E.	Stream Name	Mill Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 6.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

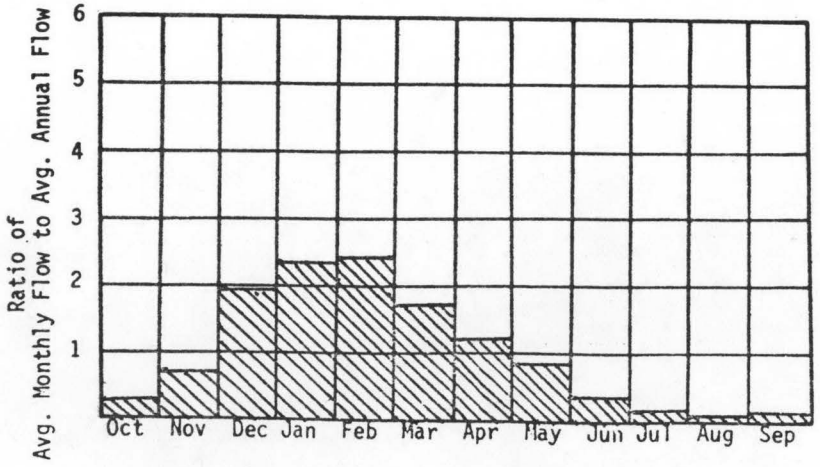
A.	Upstream Elevation of Reach	2900	Ft. MSL
B.	Downstream Elevation of Reach	2032	Ft. MSL
C.	Total Available Head in Reach	868	Ft.
D.	Average Slope in Reach	127.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	50	Sq.Mi.
F.	Inflow Classification	Natural	

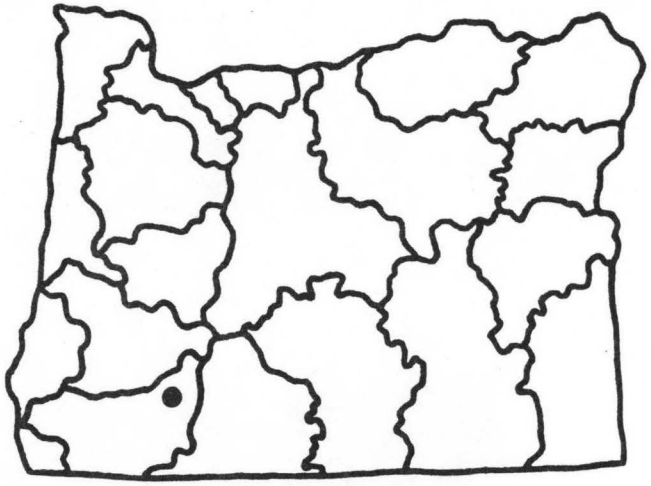
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.9	.58	5.09	1.000
80	16.8	1.23	10.10	.934
50	49.9	3.67	23.96	.746
30	102.4	7.53	37.51	.568
10	215.6	15.86	52.09	.375

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 100 CFS





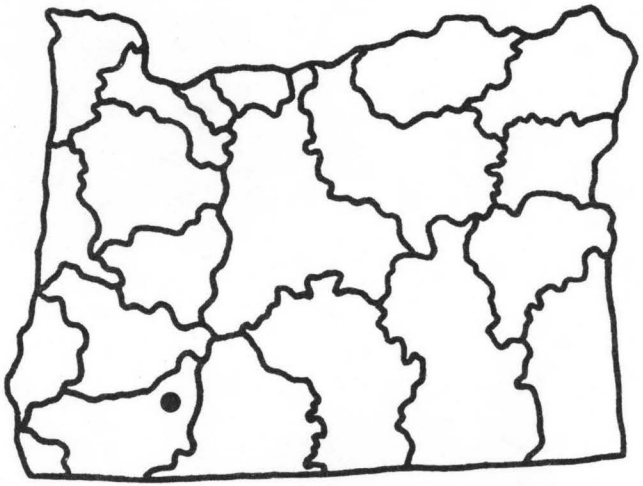
U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-115-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 17, T31S, R4E
D.	Latitude, Longitude	42°51'N, 122°25'W
E.	Stream Name	Mill Creek
F.	Major Basin Name	Rogue
G.	River Mile	6.8 to H.W.



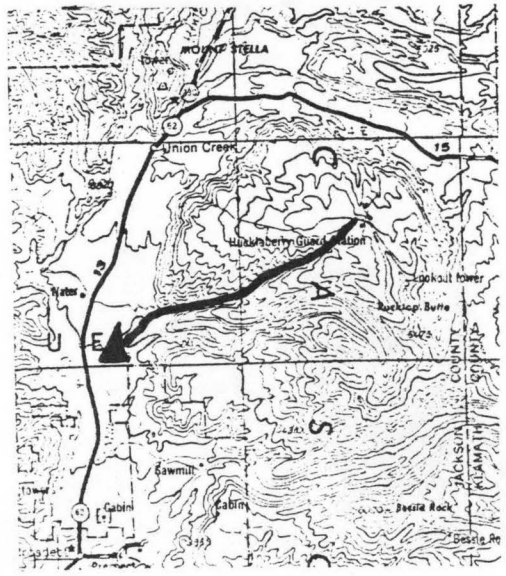
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	40	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

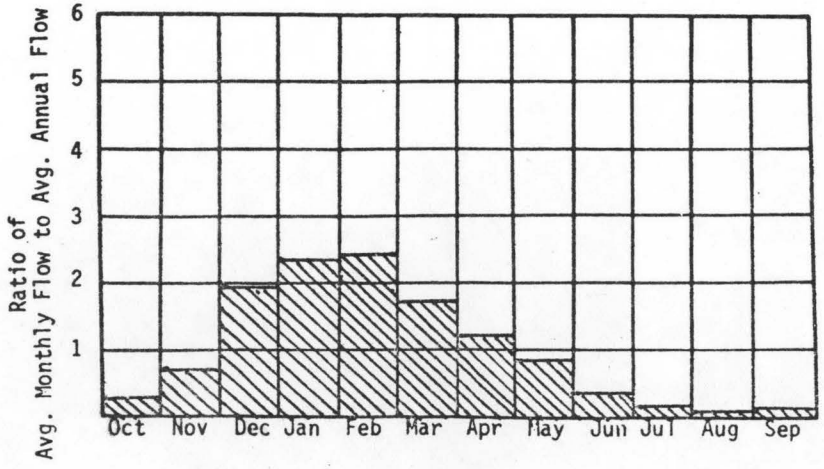
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.1	.04	.35	1.000
80	15.1	.08	.69	.933
50	45.0	.25	1.64	.745
30	92.8	.52	2.58	.568
10	195.8	1.10	3.59	.374

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 91 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0022

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 9, T31S, R3E
D.	Latitude, Longitude	42°53'N, 122°30'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	170.8 to 180.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

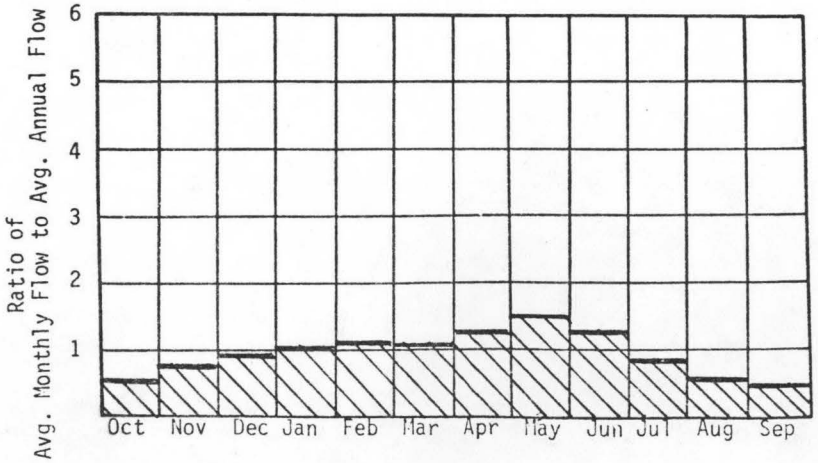
A.	Upstream Elevation of Reach	2948	Ft. MSL
B.	Downstream Elevation of Reach	2032	Ft. MSL
C.	Total Available Head in Reach	916	Ft.
D.	Average Slope in Reach	91.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	322	Sq.Mi.
F.	Inflow Classification	Slightly Regulated/Natural	

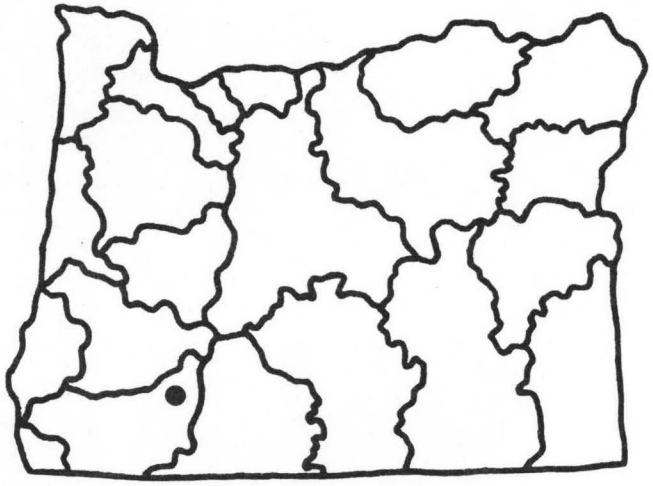
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	73.7	5.72	50.12	1.000
80	135.2	10.49	86.69	.943
50	385.3	29.91	197.27	.753
30	737.3	57.23	293.00	.584
10	1477.4	114.68	393.65	.392

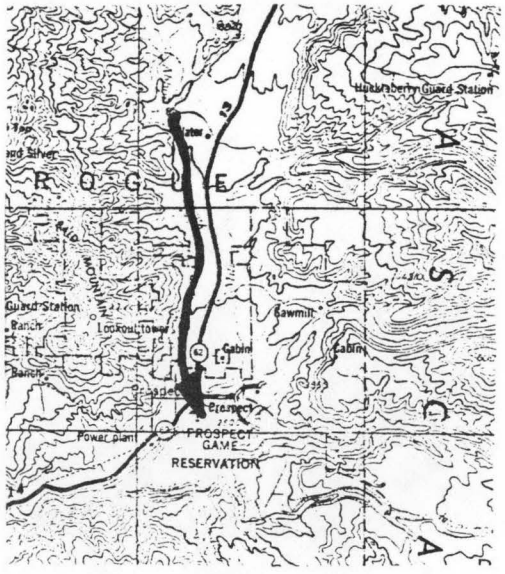
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 724 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0023

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 9, T31S, R3E	
D. Latitude, Longitude	42°53'N, 122°30'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	180.8 to 186.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

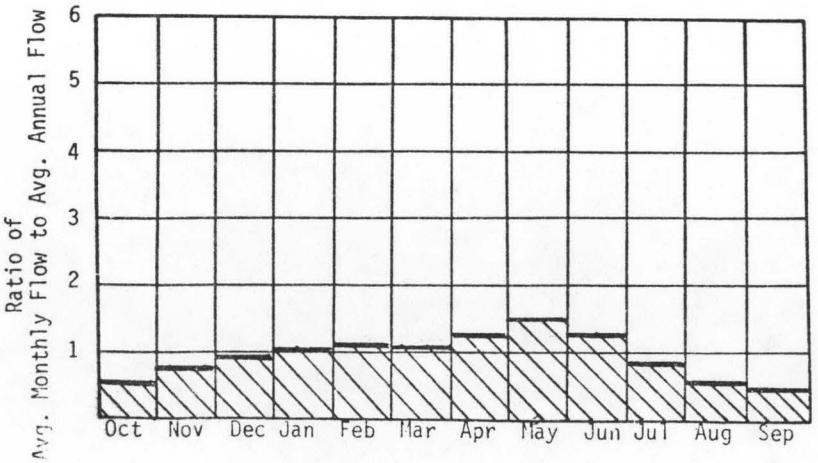
A. Upstream Elevation of Reach	3275	Ft. MSL
B. Downstream Elevation of Reach	2948	Ft. MSL
C. Total Available Head in Reach	327	Ft.
D. Average Slope in Reach	52	Ft./Mi.
E. Drainage Area above Reach Mouth	286	Sq.Mi.
F. Inflow Classification	Natural	

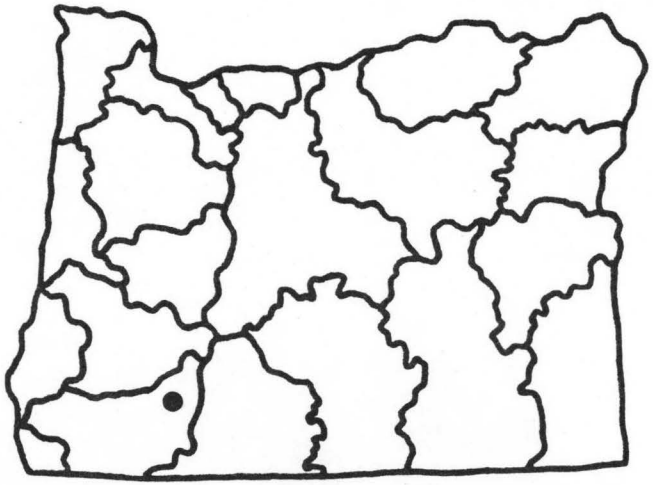
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	63.6	1.76	15.45	1.000
80	117.8	3.27	26.96	.943
50	336.9	9.34	61.53	.752
30	647.5	17.94	91.69	.583
10	1301.8	36.07	123.45	.391

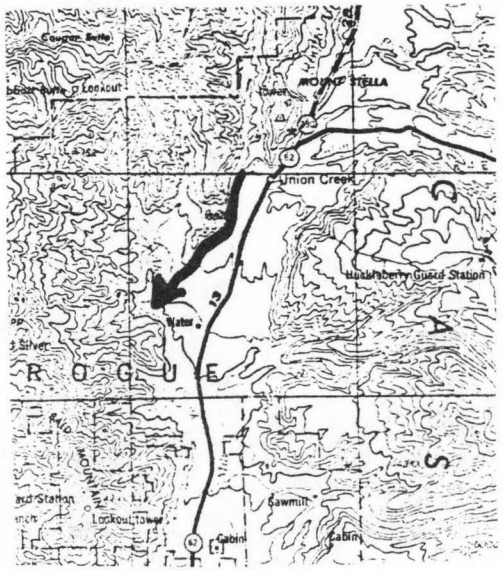
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 636 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-120-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Jackson
C.	Township, Range	Sec. 36, T30S, R3E
D.	Latitude, Longitude	42°54'N, 122°22'W
E.	Stream Name	Union Creek
F.	Major Basin Name	Rogue
G.	River Mile	0.0 to 5.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

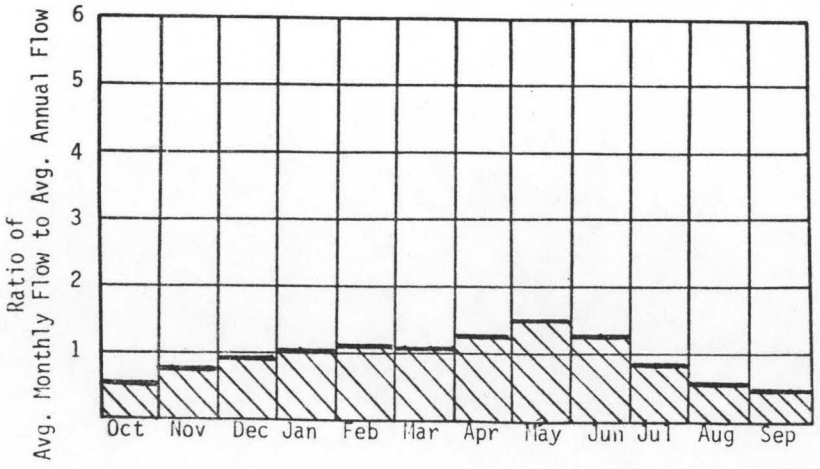
A.	Upstream Elevation of Reach	3780	Ft. MSL
B.	Downstream Elevation of Reach	3275	Ft. MSL
C.	Total Available Head in Reach	505	Ft.
D.	Average Slope in Reach	101	Ft./Mi.
E.	Drainage Area above Reach Mouth	34	Sq.Mi.
F.	Inflow Classification	Natural	

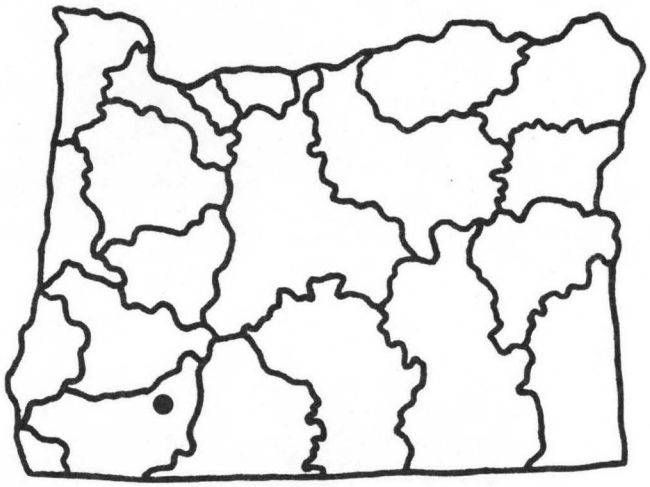
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.2	.26	2.32	1.000
80	13.3	.57	4.66	.933
50	39.8	1.70	11.11	.745
30	82.4	3.53	17.50	.567
10	174.3	7.46	24.39	.373

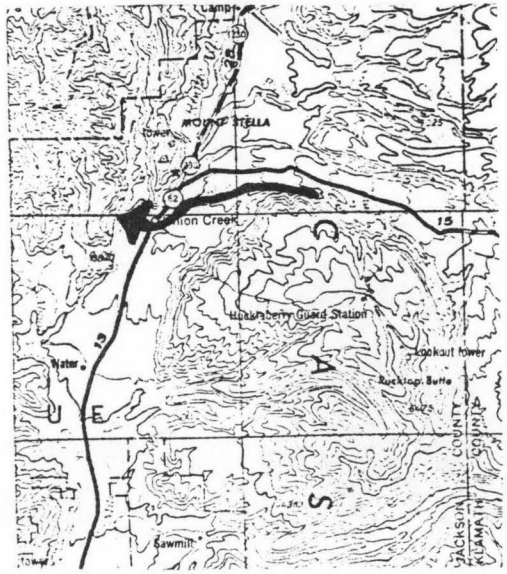
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 81 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-120-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 32, T30S, R4E	
D. Latitude, Longitude	42°55'N, 122°22'W	
E. Stream Name	Union Creek	
F. Major Basin Name	Rogue	
G. River Mile	5.0 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

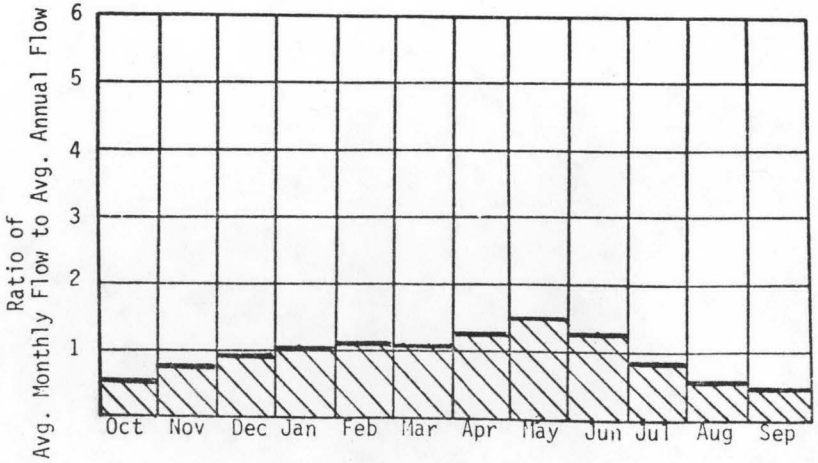
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	30	Sq.Mi.
F. Inflow Classification	Natural	

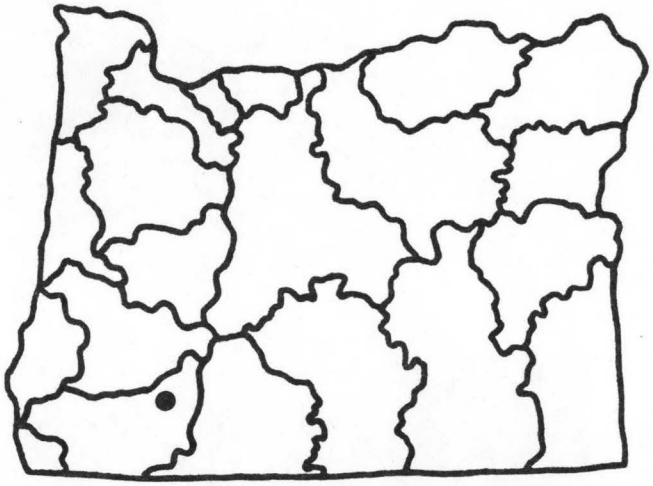
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.8	.03	.28	1.000
80	12.6	.07	.57	.933
50	37.6	.21	1.37	.745
30	77.9	.44	2.16	.566
10	165.1	.92	3.02	.373

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0024

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 35, T30S, R3E	
D. Latitude, Longitude	42°55'N, 122°27'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	186.5 to 190.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

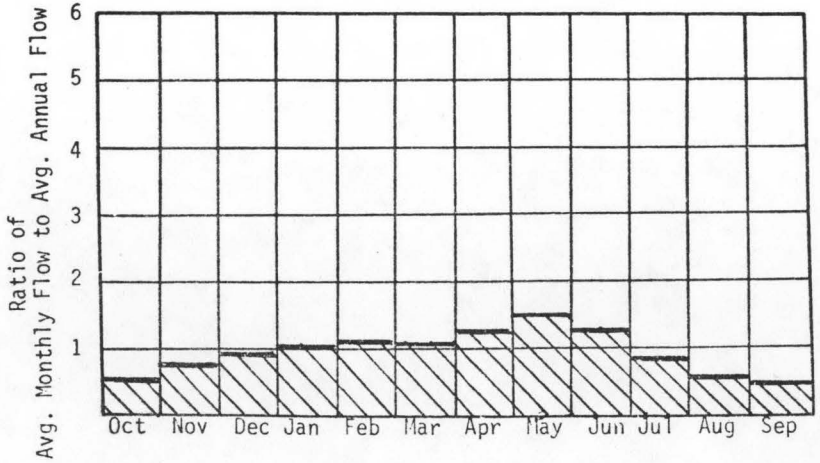
A. Upstream Elevation of Reach	3480	Ft. MSL
B. Downstream Elevation of Reach	3275	Ft. MSL
C. Total Available Head in Reach	205	Ft.
D. Average Slope in Reach	56.9	Ft./Mi.
E. Drainage Area above Reach Mouth	207	Sq.Mi.
F. Inflow Classification	Natural	

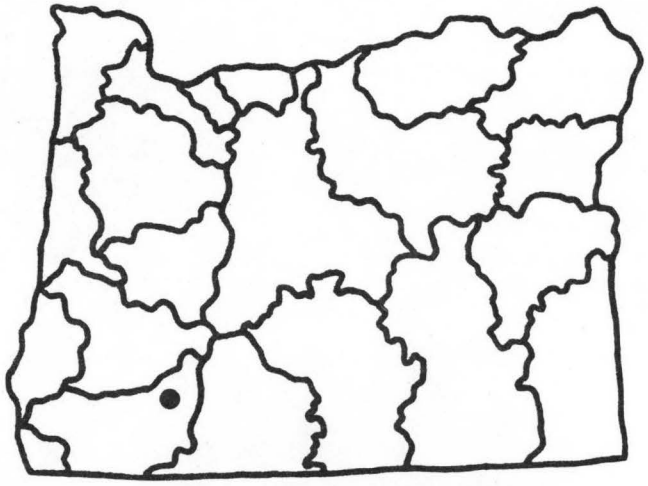
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	42.0	.73	6.39	1.000
80	79.9	1.39	11.43	.941
50	230.1	4.00	26.29	.751
30	448.1	7.78	39.57	.580
10	909.1	15.79	53.60	.387

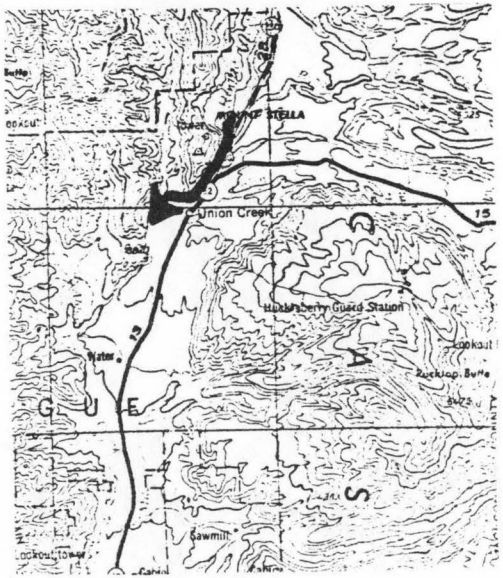
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 440 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0025

I. LOCATION

A. State	Oregon	
B. County	Jackson	
C. Township, Range	Sec. 12, T30S, R3E	
D. Latitude, Longitude	42°58'N, 122°26'W	
E. Stream Name	Rogue River	
F. Major Basin Name	Rogue	
G. River Mile	190.2 to 197.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

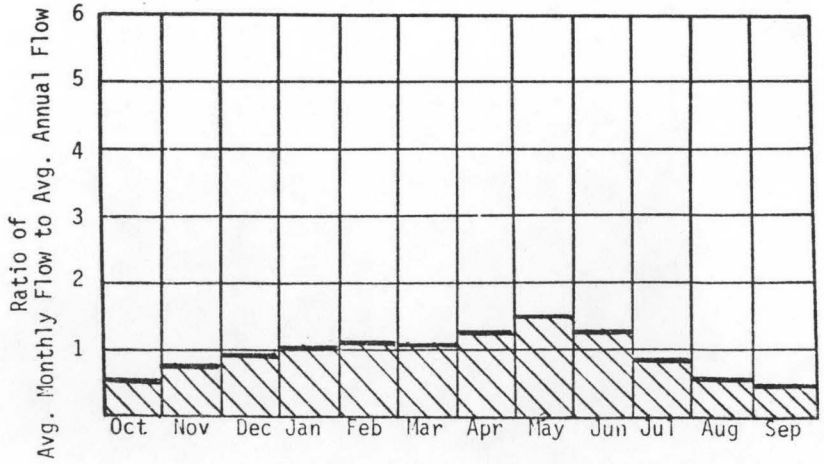
A. Upstream Elevation of Reach	3530	Ft. MSL
B. Downstream Elevation of Reach	3480	Ft. MSL
C. Total Available Head in Reach	50	Ft.
D. Average Slope in Reach	7.1	Ft./Mi.
E. Drainage Area above Reach Mouth	157	Sq.Mi.
F. Inflow Classification	Natural	

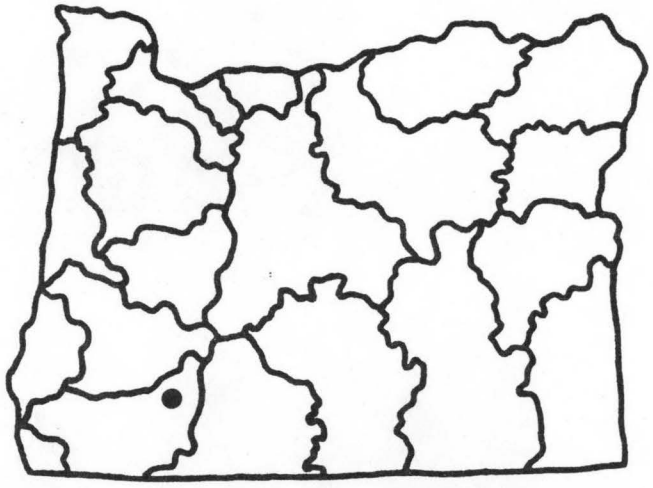
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	28.9	.12	1.07	1.000
80	56.3	.24	1.96	.939
50	163.3	.69	4.54	.750
30	321.8	1.36	6.90	.577
10	658.3	2.79	9.40	.385

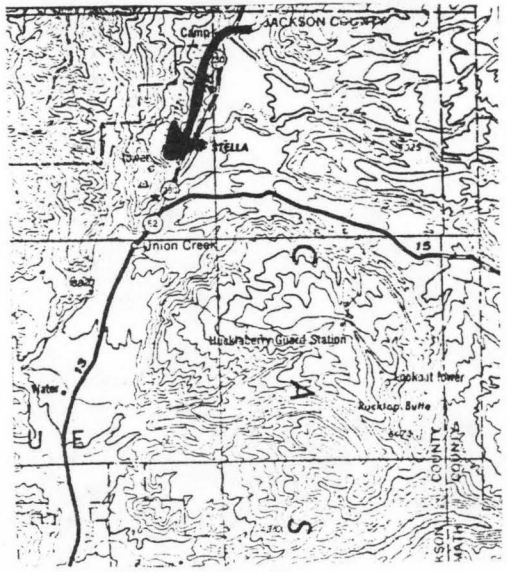
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 316 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0026

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec. 16, T29S, R4E
D.	Latitude, Longitude	43°03'N, 122°23'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	197.2 to 206.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

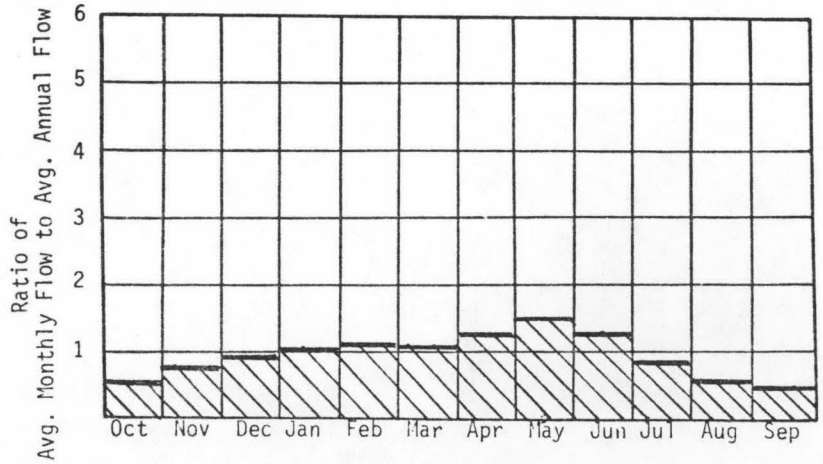
A.	Upstream Elevation of Reach	4090	Ft. MSL
B.	Downstream Elevation of Reach	3530	Ft. MSL
C.	Total Available Head in Reach	560	Ft.
D.	Average Slope in Reach	64	Ft./Mi.
E.	Drainage Area above Reach Mouth	103	Sq.Mi.
F.	Inflow Classification	Natural	

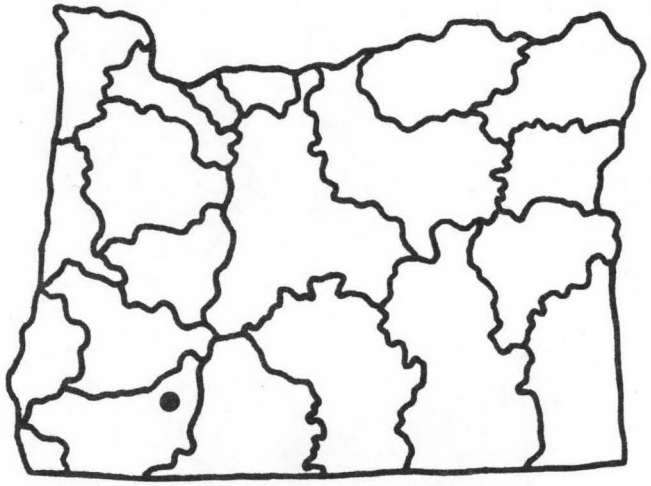
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	13.7	.65	5.71	1.000
80	28.1	1.33	10.94	.936
50	82.7	3.92	25.69	.747
30	166.8	7.92	39.68	.572
10	346.9	16.46	54.65	.379

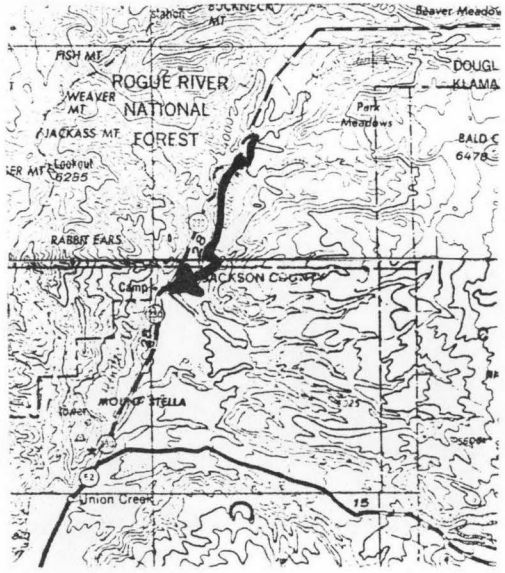
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 164 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-000-R0027

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	T28S, R4E
D.	Latitude, Longitude	43°05'N, 122°19'W
E.	Stream Name	Rogue River
F.	Major Basin Name	Rogue
G.	River Mile	206.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

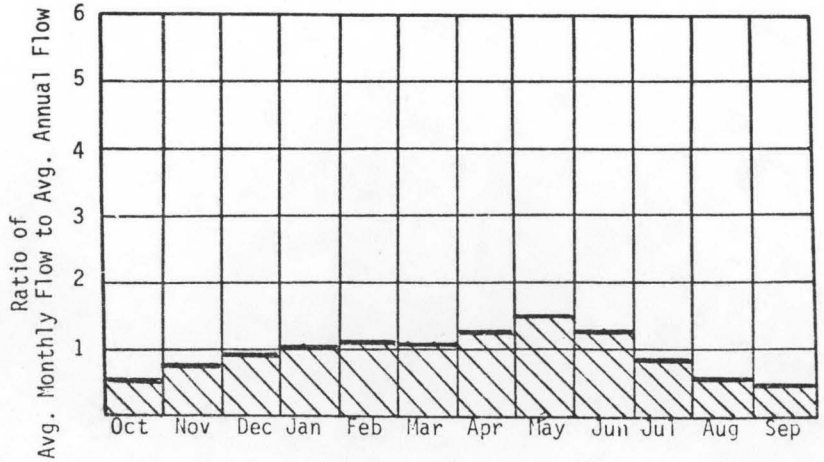
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	30	Sq.Mi.
F.	Inflow Classification	Natural	

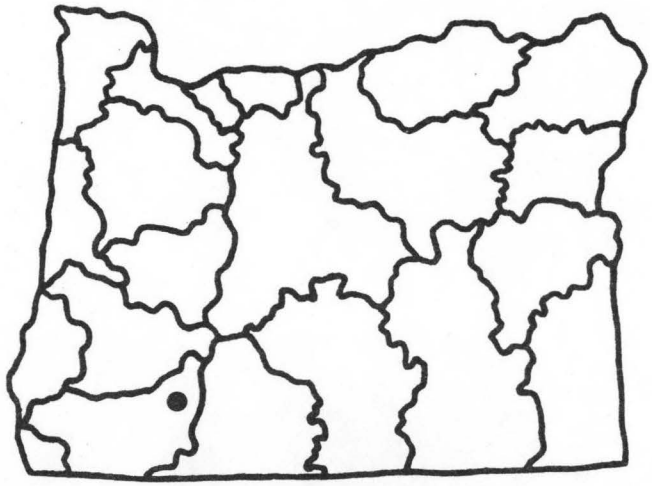
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.8	.03	.28	1.000
80	12.5	.07	.57	.933
50	37.5	.21	1.37	.745
30	77.7	.43	2.15	.566
10	164.6	.92	3.01	.373

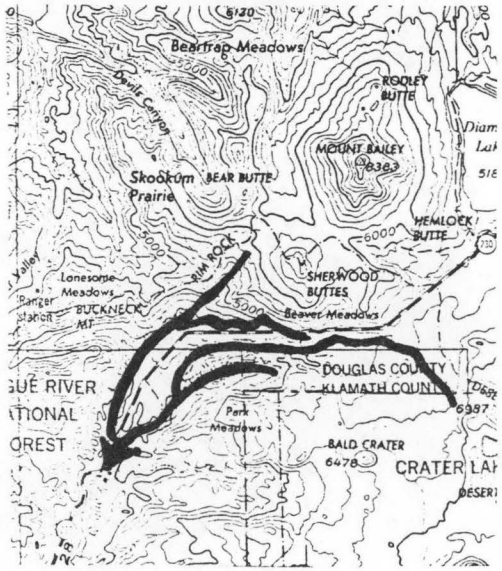
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 76 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
000-000-000-R0001	X	X	X	X	0.6	24.9-CC-C	1	5.0
002-000-000-R0001	X	-	-	-	4.3	24.9-CC-C	-	13.6
002-005-000-R0001	-	-	-	-	6.8	115/230-B	-	15.0
002-010-000-R0001	-	-	-	-	6.2	24.9-CC-C	-	16.8
002-010-000-R0002	-	-	-	-	4.8	24.9-CC-C	-	18.1
000-000-000-R0002	X	-	-	X	0.8	24.9-CC-C	-	9.5
005-000-000-R0001	-	-	-	-	0.9	24.9-CC-C	-	10.2
000-000-000-R0003	X	-	-	X	0.9	24.9-CC-C	-	12.5
000-000-000-R0004	X	-	-	X	0.4	24.9-CC-C	-	18.6
015-000-000-R0001	X	-	-	X	1.8	24.9-CC-C	-	20.4
015-015-000-R0001	-	-	-	-	5.4	24.9-CC-C	-	18.9
015-015-000-R0002	-	-	-	-	5.6	24.9-CC-C	-	13.2
015-015-000-R0003	-	-	-	-	7.0	24.9-CC-C	-	14.4
015-000-000-R0002	X	-	-	X	4.6	24.9-CC-C	-	20.4

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
015-020-000-R0001	-	-	-	-	7.6	24.9-CC-C	-	25.0
015-020-005-R0001	-	-	-	-	10.3	24.9-CC-C	-	28.5
015-020-005-R0002	-	-	-	-	10.9	24.9-CC-C	-	28.8
015-020-010-R0001	-	-	-	-	12.5	24.9-CC-C	-	26.7
015-020-010-R0002	-	-	-	-	12.6	24.9-CC-C	-	27.0
015-000-000-R0003	X	-	-	X	7.4	24.9-CC-C	-	21.4
015-040-000-R0001	-	-	-	-	10.2	24.9-CC-C	-	24.6
015-040-005-R0001	-	-	-	-	11.8	24.9-CC-C	-	26.9
015-040-000-R0002	-	-	-	-	13.5	24.9-CC-C	-	27.6
015-040-000-R0003	-	-	-	-	14.7	24.9 CC-C	-	25.9
015-000-000-R0004	X	-	-	X	9.0	24.9 CC-C	-	20.7
015-045-000-R0001	-	-	-	-	10.9	24.9 CC-C	-	18.6
015-045-000-R0002	-	-	-	-	11.0	24.9 CC-C	-	17.1
015-000-000-R0005	X	-	-	X	13.2	24.9 CC-C	-	23.2

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
015-000-000-R0006	X	-	-	X	13.0	69-PPL	-	27.6
015-050-000-R0001	-	-	-	-	8.7	69-PPL	-	23.0
015-050-000-R0002	-	-	-	-	8.4	69-PPL	-	21.0
015-000-000-R0007	X	-	-	X	7.4	69-PPL	-	24.8
015-060-000-R0001	-	X	X	X	1.0	69-PPL	-	20.0
015-060-000-R0002	-	-	-	X	0.4	115-PPL	-	17.0
015-000-000-R0008	-	-	-	X	2.6	69-PPL	-	23.3
015-065-000-R0001	-	-	-	-	2.0	69-PPL	-	23.7
015-000-000-R0009	-	X	X	X	1.5	69-PPL	-	24.5
015-075-000-R0001	-	X	X	X	0.2	115-PPL	-	28.5
015-075-005-R0001	-	X	-	-	2.0	69-PPL	-	30.2
015-075-000-R0002	-	X	X	X	0.1	69-PPL	-	28.6
015-075-010-R0001	-	X	X	X	0.1	115-PPL	-	27.3
015-095-000-R0001	-	-	-	X	1.4	69-PPL	-	25.6

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
015-095-005-R0001	-	X	X	X	3.5	69-PPL	-	22.7
015-095-005-R0002	-	X	X	X	5.2	69-PPL	-	23.6
015-095-005-R0003	-	-	-	X	5.2	69-PPL	-	25.5
015-095-010-R0001	-	-	-	X	0.1	69-PPL	-	27.1
015-095-010-R0002	-	-	X	X	2.4	69-PPL	-	25.5
015-095-000-R0002	-	X	X	-	2.7	69-PPL	-	29.1
000-000-000-R0005	X	-	-	X	1.0	24.9 CC-C	-	21.1
018-000-000-R0001	-	-	-	-	3.0	24.9 CC-C	-	23.3
018-000-000-R0002	-	-	-	-	5.1	24.9 CC-C	-	25.5
000-000-000-R0006	X	-	X	X	4.8	24.9 CC-C	-	23.2
000-000-000-R0007	X	-	-	X	11.4	24.9 CC-C	-	27.3
020-000-000-R0001	-	-	-	-	14.5	24.9 CC-C	-	30.2

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
000-000-000-R0008	X	-	-	X	17.5	24.9 CC-C	-	30.5
000-000-000-R0009	X	-	-	X	14.8	230-PPL	-	22.8
030-000-000-R0001	-	-	-	X	8.5	230-PPL	-	18.8
030-005-000-R0001	-	X	X	-	6.0	230-PPL	-	16.3
030-000-000-R0002	-	X	X	X	0.2	230-PPL	-	13.3
030-000-000-R0003	-	-	-	-	5.2	230-PPL	-	14.2
000-000-000-R0010	X	-	-	X	11.1	230-PPL	-	17.8
035-000-000-R0001	-	-	-	-	10.0	69-PPL	-	16.4
000-000-000-R0011	X	X	X	X	9.3	69-PPL	-	15.8
045-000-000-R0001	-	-	-	-	8.5	69-PPL	-	14.5
000-000-000-R0012	X	X	-	X	7.0	69-PPL	-	13.2
050-000-000-R0001	-	X	X	X	2.5	69-PPL	-	9.0
050-000-000-R0002	-	X	X	X	0.8	69-PPL	-	8.1
000-000-000-R0013	X	X	X	X	6.9	69-PPL	-	9.5

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
055-000-000-R0001	-	X	X	X	0.5	69-PPL	-	7.3
055-005-000-R0001	-	X	X	X	0.6	69-PPL	-	7.9
055-000-000-R0002	-	X	X	X	2.7	115-PPL	-	7.3
055-000-000-R0003	-	X	X	X	0.2	69-PPL	-	8.5
055-010-000-R0001	-	X	X	X	4.0	69-PPL	-	13.4
055-010-000-R0002	-	X	X	X	7.0	69-PPL	-	16.2
055-000-000-R0004	-	X	X	X	0.6	69-PPL	-	13.0
055-000-000-R0005	-	X	X	X	1.0	69-PPL	-	13.0
055-020-000-R0001	-	X	-	X	4.1	69-PPL	-	12.1
055-020-000-R0002	-	-	X	X	5.2	69-PPL	-	12.1
055-000-000-R0006	-	X	X	X	8.8	69-PPL	-	17.6
055-000-000-R0007	-	X	-	X	15.0	69-PPL	-	24.6
055-030-000-R0001	-	-	-	X	15.8	69-PPL	-	25.5
055-000-000-R0008	-	-	X	X	16.4	69-PPL	-	26.0

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
000-000-000-R0014	-	X	X	X	0.1	69-PPL	1,2	0.6
060-000-000-R0001	-	X	X	X	2.0	230-PPL	-	7.8
060-005-000-R0001	-	-	-	X	8.2	230-PPL	-	10.2
060-000-000-R0002	-	-	X	X	4.1	230-PPL	-	14.1
060-010-000-R0001	-	-	-	X	0.4	230-PPL	-	19.1
060-000-000-R0003	-	-	-	X	0.4	230-PPL	-	19.1
000-000-000-R0015	-	X	X	X	0.2	69-PPL	-	11.5
065-000-000-R0001	-	X	X	X	0.5	69-PPL	-	11.9
065-000-000-R0002	-	X	X	X	0.1	2-69-PPL	1,2	0.2
065-000-000-R0003	-	X	X	X	0.1	69-PPL	1,2	2.9
065-000-000-R0004	-	X	X	X	1.1	69-PPL	1,2	2.2
000-000-000-R0016	-	X	X	X	0.1	115-PPL	-	8.0

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

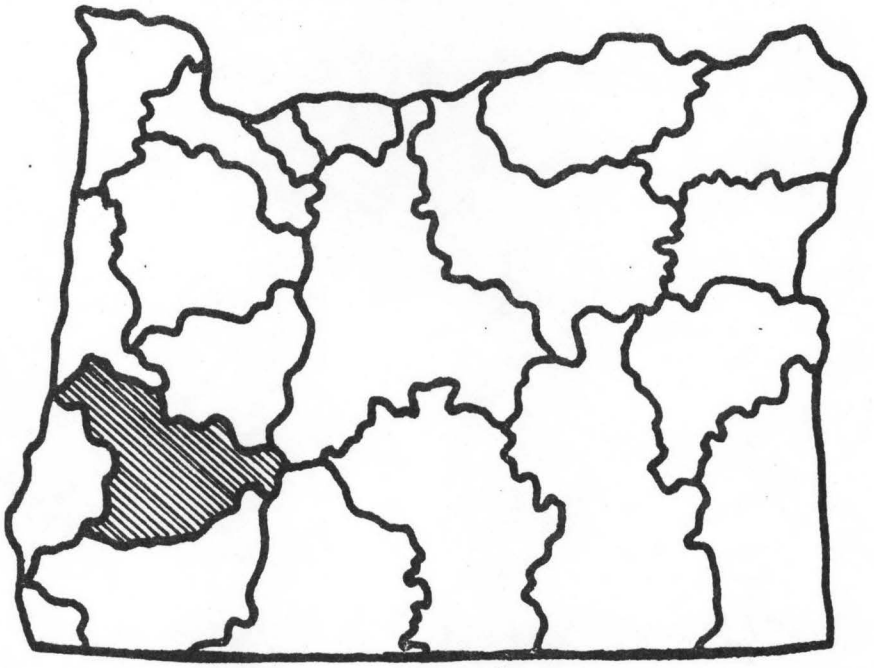
REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
075-000-000-R0001	X	-	-	X	0.5	69-PPL	-	9.0
075-005-000-R0001	-	X	-	X	1.5	69-PPL	-	9.3
075-000-000-R0002	-	X	X	X	2.0	115-PPL	-	12.2
075-010-000-R0001	-	X	-	X	7.9	115-PPL	-	15.2
075-015-000-R0001	-	-	X	X	9.3	230-PPL	-	14.9
075-015-000-R0002	-	-	-	X	12.3	230-PPL	-	14.8
000-000-000-R0017	-	X	X	X	1.0	69-PPL	-	15.4
080-000-000-R0001	-	X	X	X	0.8	69-PPL	-	21.6
000-000-000-R0018	-	X	X	X	0.8	69-PPL	-	22.6
090-000-000-R0001	X	-	-	X	3.8	69-PPL	-	28.5
090-000-000-R0002	-	-	-	X	0.5	115-PPL	-	32.9
000-000-000-R0019	X	X	X	X	0.6	69-PPL	-	23.6
095-000-000-R0001	-	-	X	X	2.8	115-PPL	-	21.2
095-015-000-R0001	-	X	X	-	10.7	115-PPL	-	22.5

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
095-015-005-R0001	X	-	-	-	12.8	115-PPL	-	23.9
095-015-000-R0002	-	-	-	-	13.6	115-PPL	-	25.0
000-000-000-R0020	-	X	X	X	0.5	115-PPL	-	27.2
105-000-000-R0001	-	-	-	-	1.7	115-PPL	-	31.6
105-000-000-R0002	-	X	X	-	2.6	69-PPL	-	33.2
105-020-000-R0001	-	-	-	-	2.6	69-PPL	-	33.0
105-020-005-R0001	-	-	-	-	1.0	69-PPL	-	35.2
105-020-005-R0002	-	-	-	-	2.1	69-PPL	-	38.3
105-020-005-R0003	-	-	-	-	3.8	69-PPL	-	39.9
105-020-005-R0004	-	-	-	-	5.7	69-PPL	-	41.6
105-020-000-R0002	-	-	-	-	0.4	69-PPL	-	36.0
105-020-000-R0003	X	-	-	-	6.1	69-PPL	-	40.1
105-020-000-R0004	X	-	-	-	9.0	69-PPL	-	40.1
105-000-000-R0003	-	-	-	-	2.1	69-PPL	-	33.7

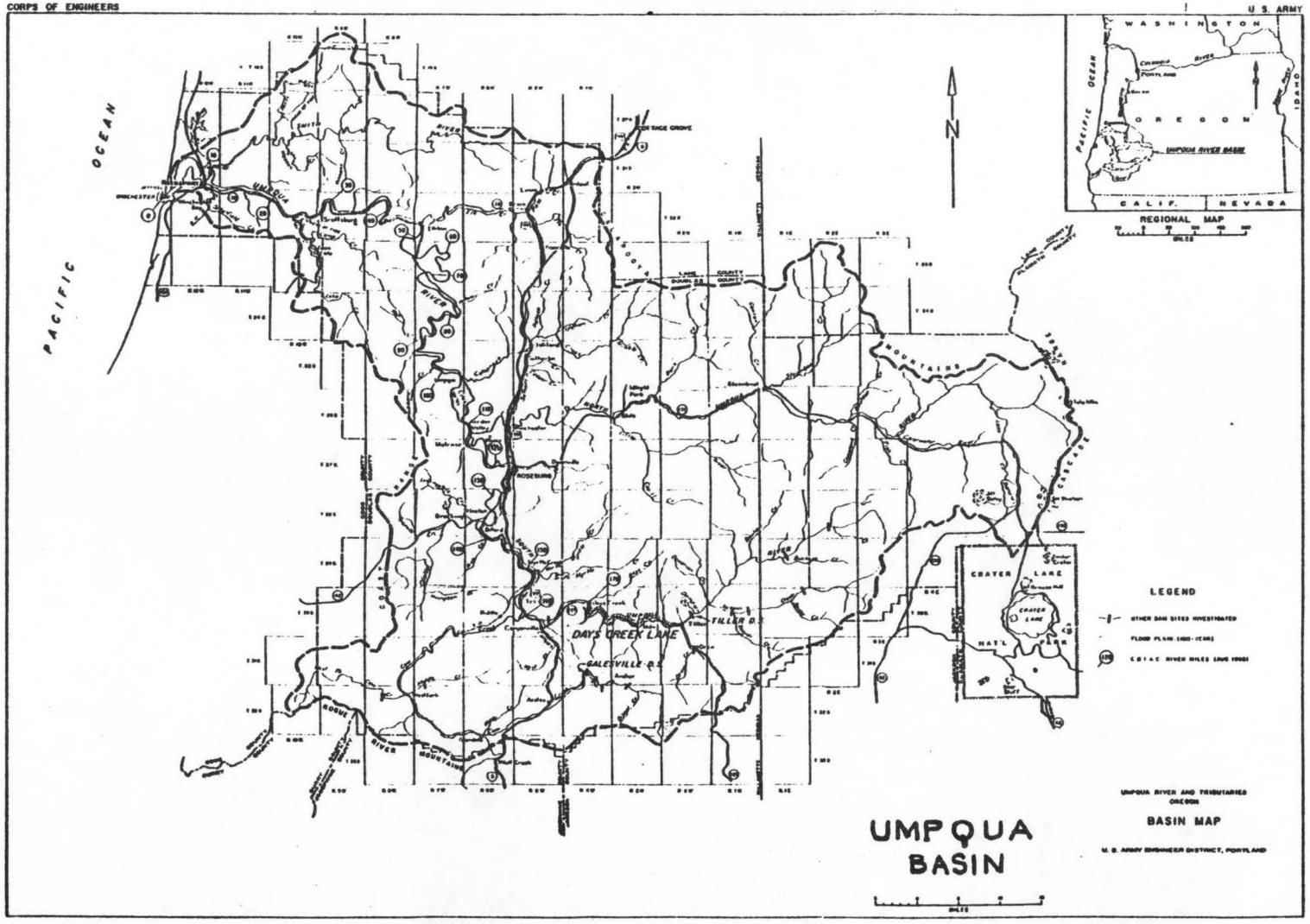
FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-900-								
105-000-000-R0004	-	-	-	-	5.2	69-PPL	-	35.4
105-000-000-R0005	-	-	-	-	8.4	69-PPL	-	35.2
000-000-000-R0021	-	-	-	-	0.2	69-PPL	-	32.5
115-000-000-R0001	-	X	X	-	1.3	69-PPL	-	37.6
115-000-000-R0002	-	-	-	-	7.0	69-PPL	-	39.8
000-000-000-R0022	-	-	-	-	2.5	69-PPL	-	37.2
000-000-000-R0023	-	-	-	-	8.0	69-PPL	-	42.7
120-000-000-R0001	-	X	X	-	10.7	69-PPL	-	46.5
120-000-000-R0002	-	-	-	-	11.5	69-PPL	-	47.5
000-000-000-R0024	-	X	X	-	11.3	69-PPL	-	46.9
000-000-000-R0025	-	-	-	-	14.0	69-PPL	-	49.5
000-000-000-R0026	-	X	-	-	17.4	69-PPL	-	50.4
000-000-000-R0027	-	-	-	-	19.9	69-PPL	-	51.0



APPENDIX 16

UMPQUA BASIN


CORPS OF ENGINEERS
U. S. ARMY
PACIFIC OCEAN
N
WASHINGTON
OREGON
CALIF.
NEVADA
IDAHO
UMPQUA RIVER BASIN
REGIONAL MAP
CRATER LAKE
DAYS CREEK LAKE
TILLER D.
GALESVILLE D.
ROSEBURG
LEGEND
UMPQUA
BASIN
UMPQUA RIVER AND TRIBUTARIES
OREGON
BASIN MAP

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.29, T21S, R12W
D.	Latitude, Longitude	43°43'N,124°10'W
E.	Stream Name	Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 11.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

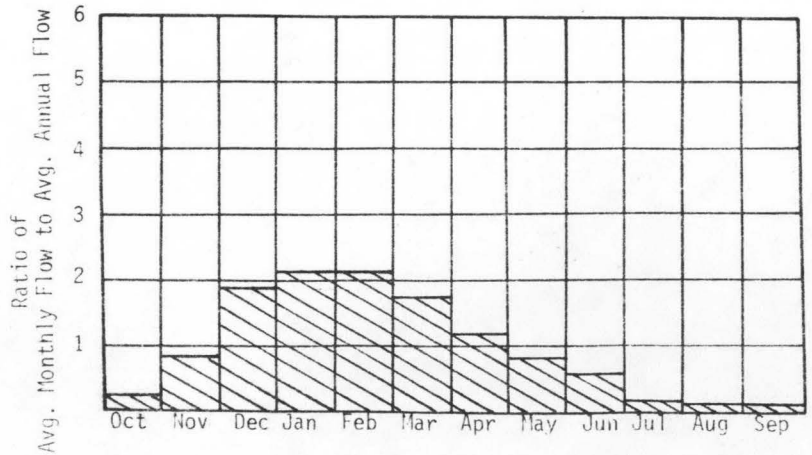
A.	Upstream Elevation of Reach	1	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	1	Ft.
D.	Average Slope in Reach	0.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	4615.6	Sq.Mi.
F.	Inflow Classification	Regulated	

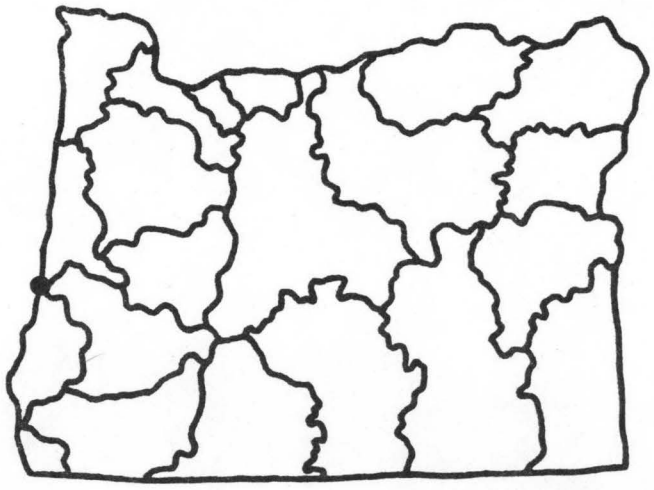
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2582.3	.22	1.92	1.000
80	3508.5	.30	2.52	.967
50	7736.7	.66	4.56	.794
30	12704.1	1.08	6.03	.640
10	24382.1	2.07	7.77	.429

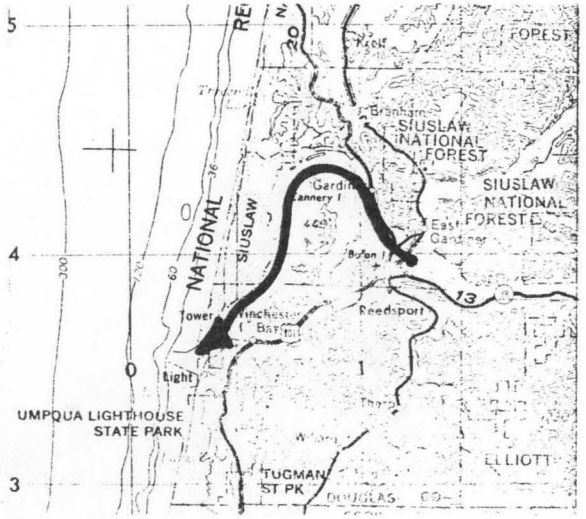
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 12159 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

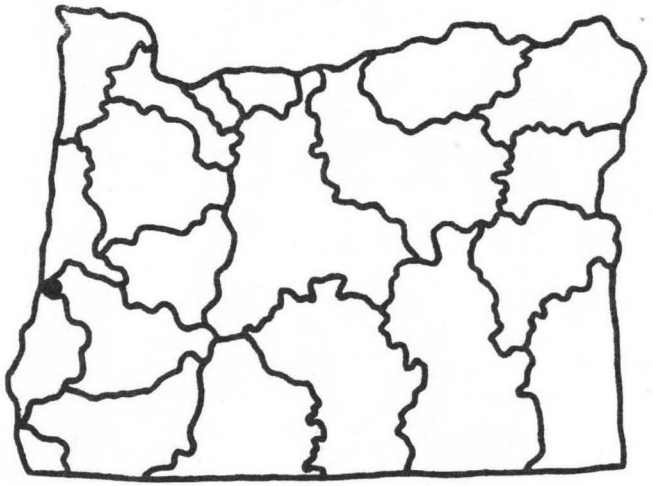


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec. 19, T21S, R11W
D.	Latitude, Longitude	43°44'N,124°03'W
E.	Stream Name	Smith River
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 7.0



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

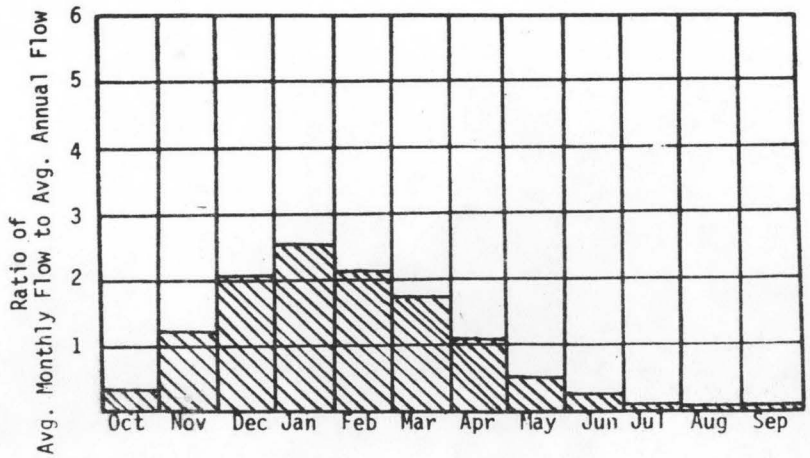
A.	Upstream Elevation of Reach	2	Ft. MSL
B.	Downstream Elevation of Reach	1	Ft. MSL
C.	Total Available Head in Reach	1	Ft.
D.	Average Slope in Reach	0.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	372.7	Sq.Mi.
F.	Inflow Classification	Natural	

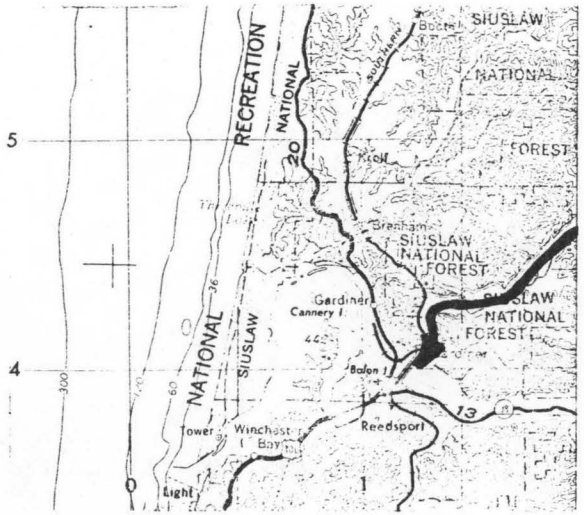
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	82.4	.01	.06	1.000
80	144.4	.01	.10	.946
50	565.6	.05	.30	.726
30	1215.4	.10	.50	.552
10	2704.1	.23	.72	.358

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1318 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.2, T21S, R11W
D.	Latitude, Longitude	43°46'N,123°59'W
E.	Stream Name	Smith River
F.	Major Basin Name	Umpqua
G.	River Mile	7.0 to 16.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

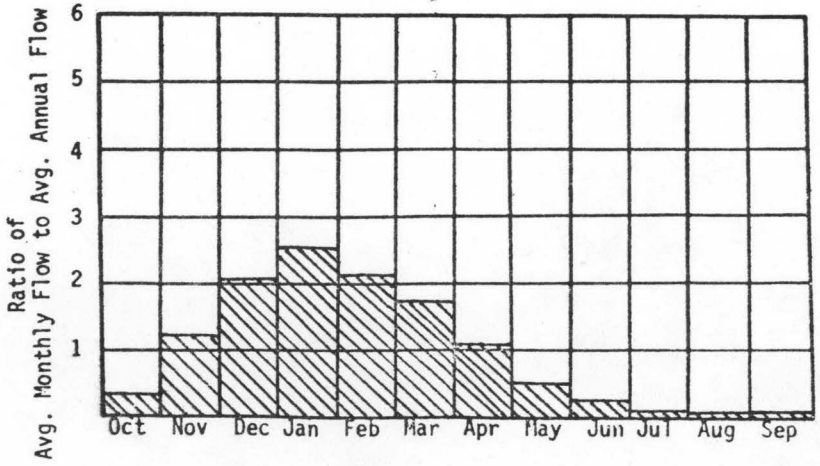
A.	Upstream Elevation of Reach	9	Ft. MSL
B.	Downstream Elevation of Reach	2	Ft. MSL
C.	Total Available Head in Reach	7	Ft.
D.	Average Slope in Reach	0.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	342.5	Sq.Mi.
F.	Inflow Classification	Natural	

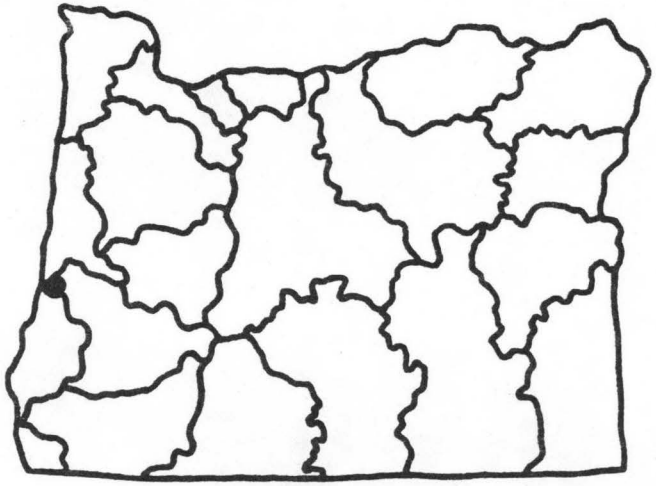
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	73.0	.04	.38	1.000
80	129.2	.08	.63	.946
50	516.2	.31	1.94	.724
30	1119.6	.66	3.20	.549
10	2504.0	1.49	4.64	.356

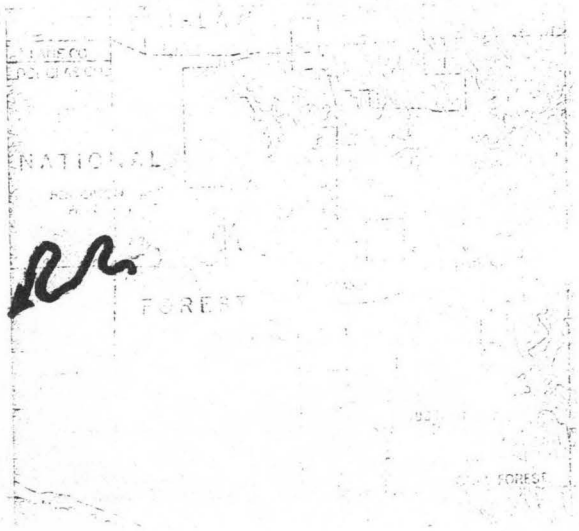
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1219 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-002-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.5, T20S, R10W
D.	Latitude, Longitude	43°52'N,124°55'W
E.	Stream Name	North Fork Smith River
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 16.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

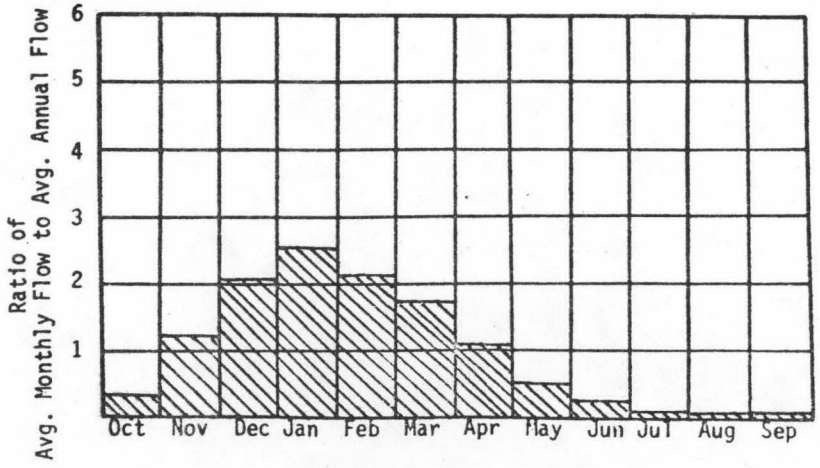
A.	Upstream Elevation of Reach	275	Ft. MSL
B.	Downstream Elevation of Reach	9	Ft. MSL
C.	Total Available Head in Reach	266	Ft.
D.	Average Slope in Reach	16.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	66.9	Sq.Mi.
F.	Inflow Classification	Natural	

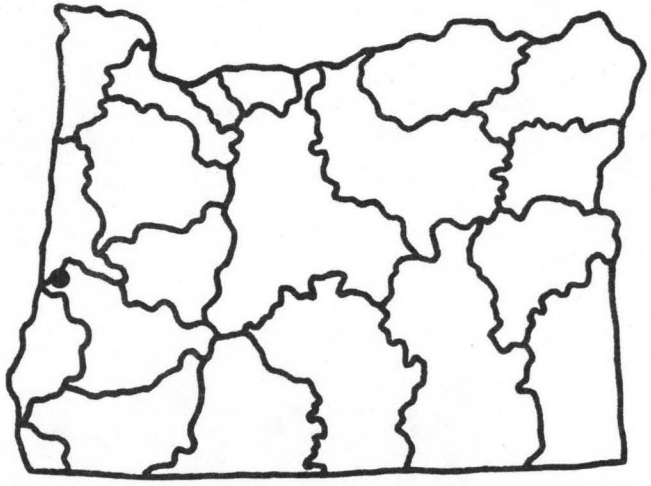
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.5	.10	.88	1.000
80	9.7	.22	1.78	.932
50	61.7	1.39	8.46	.694
30	166.5	3.75	16.74	.509
10	419.9	9.47	26.75	.323

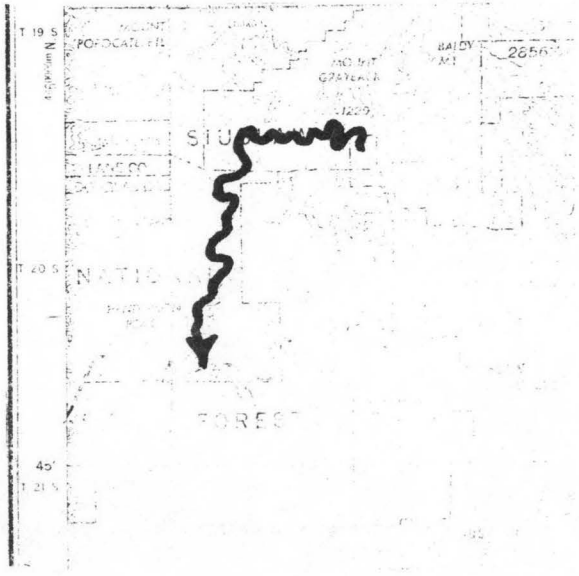
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 200 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-002-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	T19S. R9W
D.	Latitude, Longitude	43°55'N.123°50'W
E.	Stream Name	North Fork Smith River
F.	Major Basin Name	Umpqua
G.	River Mile	16.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

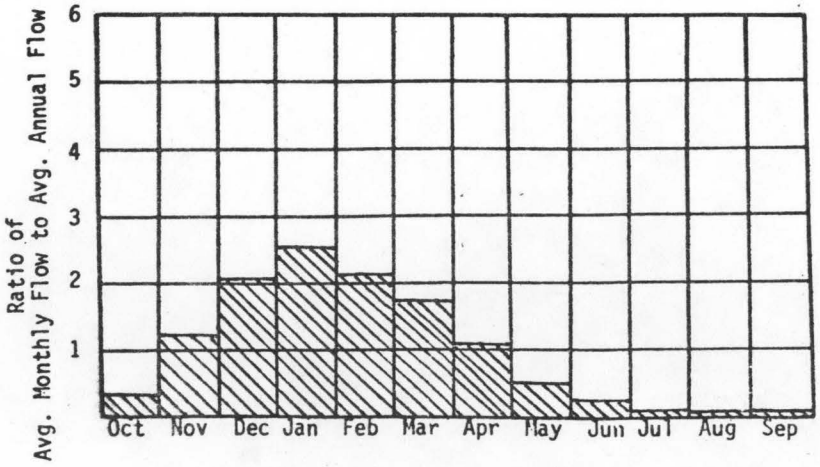
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	33.0	Sq.Mi.
F.	Inflow Classification	Natural	

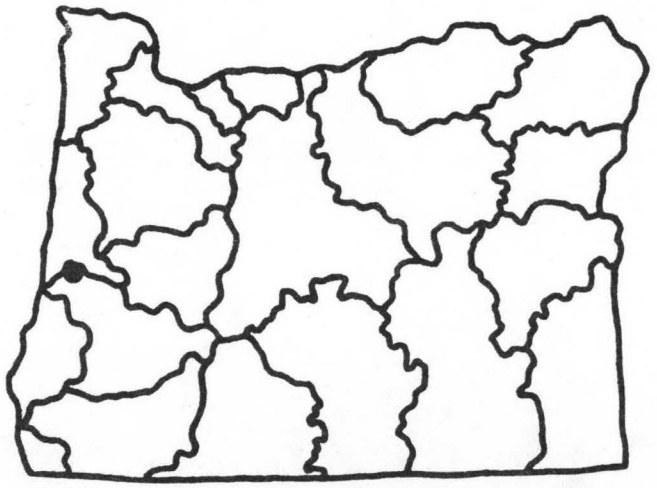
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.3	.01	.11	1.000
80	5.3	.03	.24	.930
50	37.4	.21	1.26	.689
30	106.3	.59	2.61	.502
10	275.8	1.54	4.28	.316

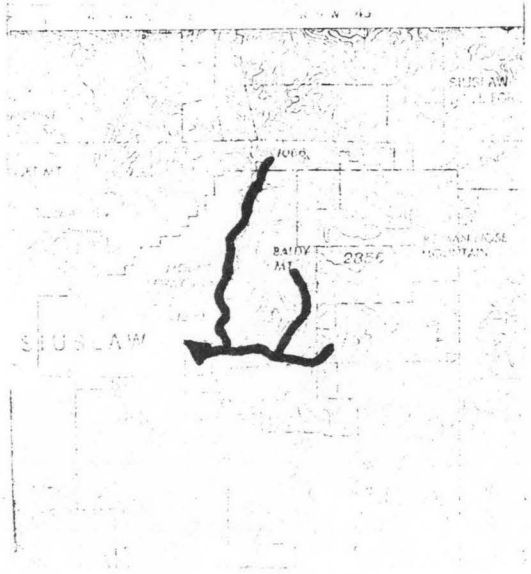
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 131 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.5, T21S, R10W	
D. Latitude, Longitude	43°47'N,123°55'W	
E. Stream Name	Smith River	
F. Major Basin Name	Umpqua	
G. River Mile	16.0 to 20.3	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

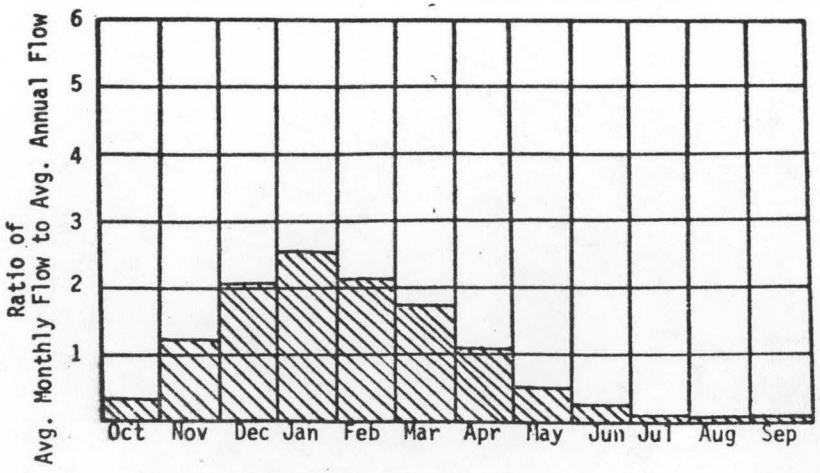
A. Upstream Elevation of Reach	16	Ft. MSL
B. Downstream Elevation of Reach	9	Ft. MSL
C. Total Available Head in Reach	5	Ft.
D. Average Slope in Reach	1.2	Ft./Mi.
E. Drainage Area above Reach Mouth	257	Sq.Mi.
F. Inflow Classification	Natural	

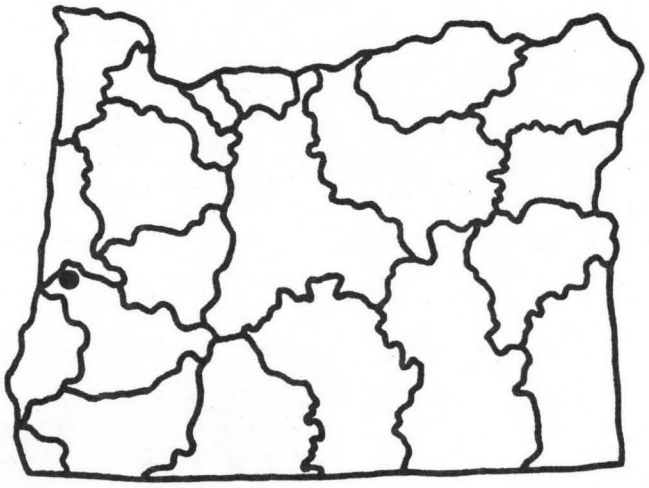
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	43.1	.02	.16	1.000
80	79.3	.03	.28	.943
50	346.2	.15	.92	.717
30	782.3	.33	1.57	.540
10	1789.5	.76	2.32	.349

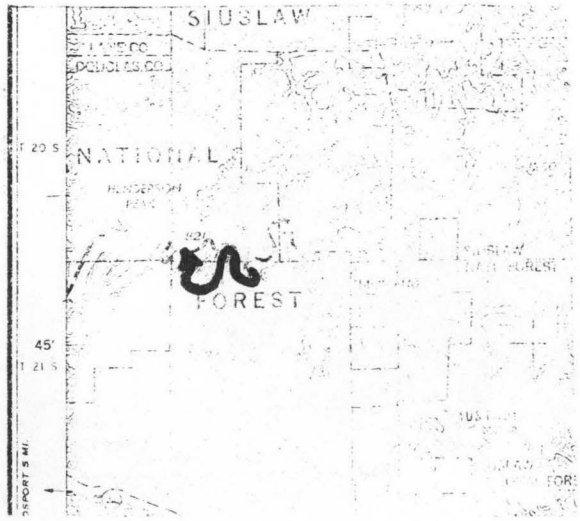
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 868 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.36, T20S, R10W
D.	Latitude, Longitude	43°47'N,123°50'W
E.	Stream Name	Smith River
F.	Major Basin Name	Umpqua
G.	River Mile	20.3 to 35.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

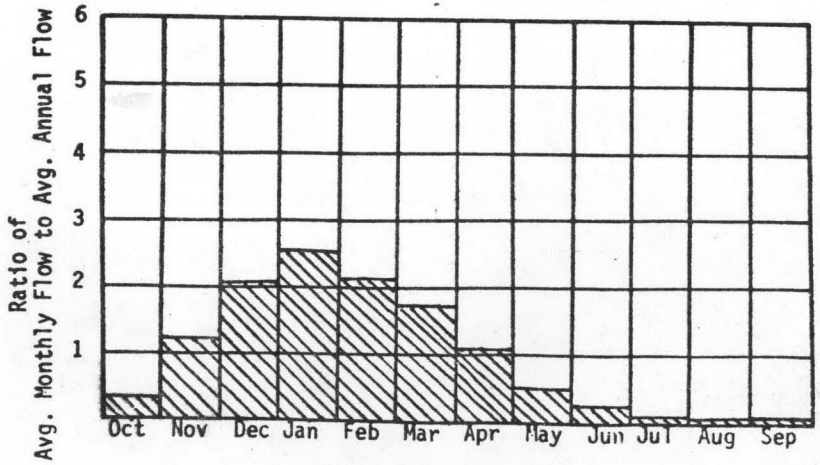
A.	Upstream Elevation of Reach	172	Ft. MSL
B.	Downstream Elevation of Reach	16	Ft. MSL
C.	Total Available Head in Reach	156	Ft.
D.	Average Slope in Reach	10.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	222.8	Sq.Mi.
F.	Inflow Classification	Natural	

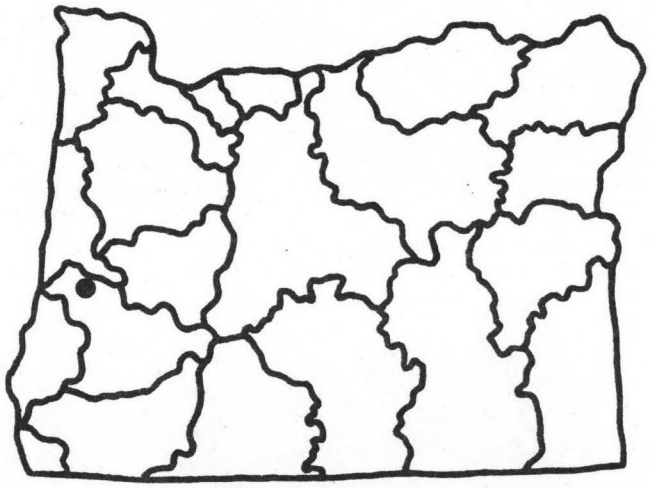
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	26.2	.35	3.04	1.000
80	50.0	.66	5.45	.940
50	237.3	3.14	19.54	.711
30	557.4	7.37	34.37	.532
10	1302.6	17.22	51.63	.342

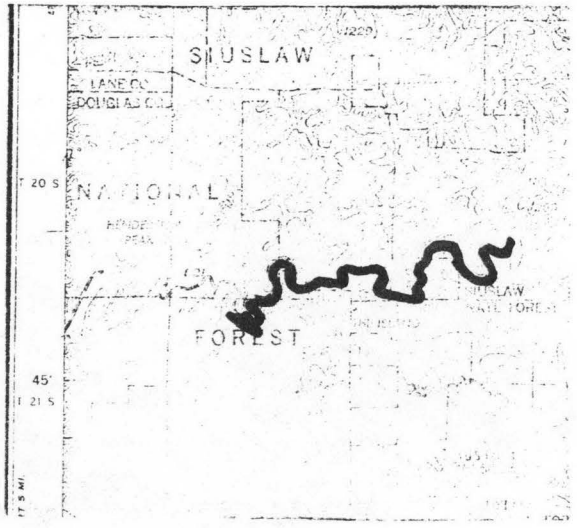
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 630 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.25, T20S, R9W
D.	Latitude, Longitude	43°50'N,123°43'W
E.	Stream Name	Smith River
F.	Major Basin Name	Umpqua
G.	River Mile	35.0 to 44.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

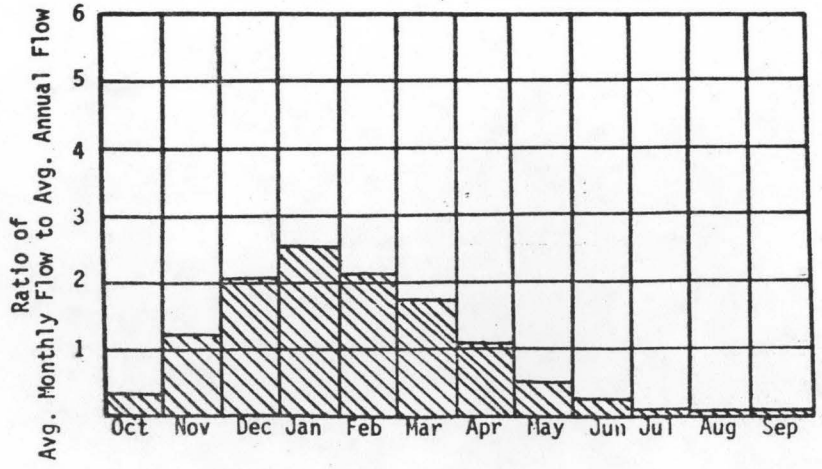
A.	Upstream Elevation of Reach	250	Ft. MSL
B.	Downstream Elevation of Reach	172	Ft. MSL
C.	Total Available Head in Reach	78	Ft.
D.	Average Slope in Reach	8.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	151.1	Sq.Mi.
F.	Inflow Classification	Natural	

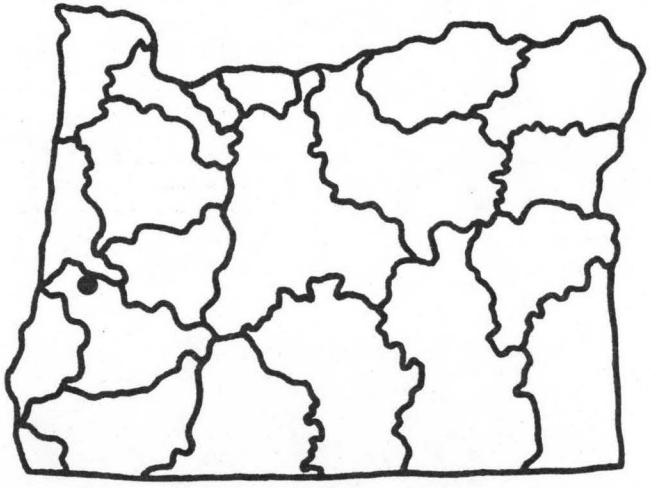
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.1	.08	.70	1.000
80	24.4	.16	1.33	.937
50	131.9	.87	5.37	.703
30	329.1	2.18	9.94	.521
10	794.9	5.25	15.33	.333

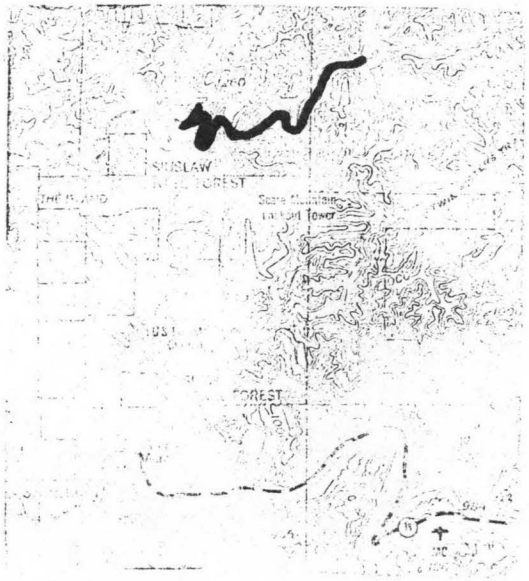
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 382 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-000-000-R0006

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	T20S, R8W	
D. Latitude, Longitude	43°49'N,123°38'W	
E. Stream Name	Smith River	
F. Major Basin Name	Umpqua	
G. River Mile	44.0 to 55.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

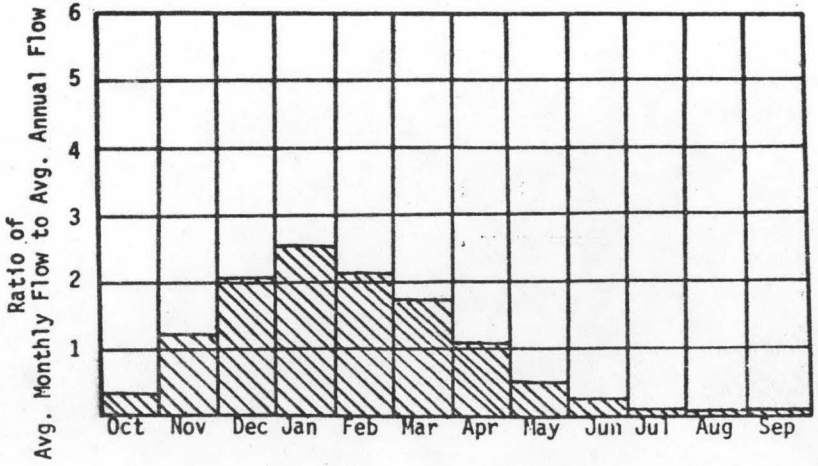
A. Upstream Elevation of Reach	405	Ft. MSL
B. Downstream Elevation of Reach	250	Ft. MSL
C. Total Available Head in Reach	155	Ft.
D. Average Slope in Reach	14.1	Ft./Mi.
E. Drainage Area above Reach Mouth	108.8	Sq.Mi.
F. Inflow Classification	Natural	

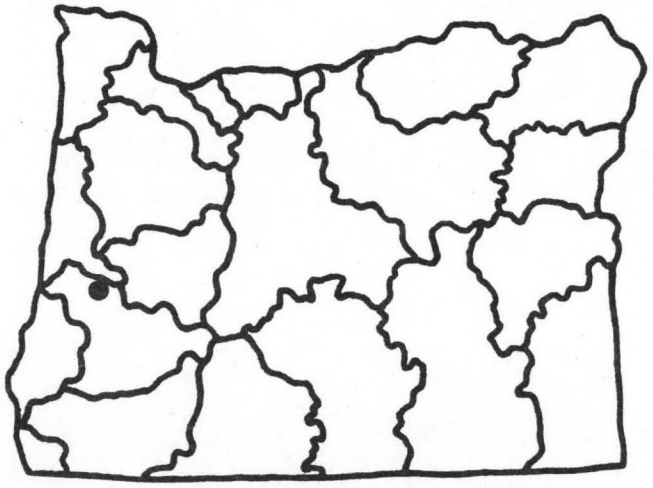
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.5	.07	.63	1.000
80	11.7	.15	1.26	.933
50	72.1	.95	5.77	.696
30	191.3	2.51	11.26	.511
10	478.3	6.28	17.87	.325

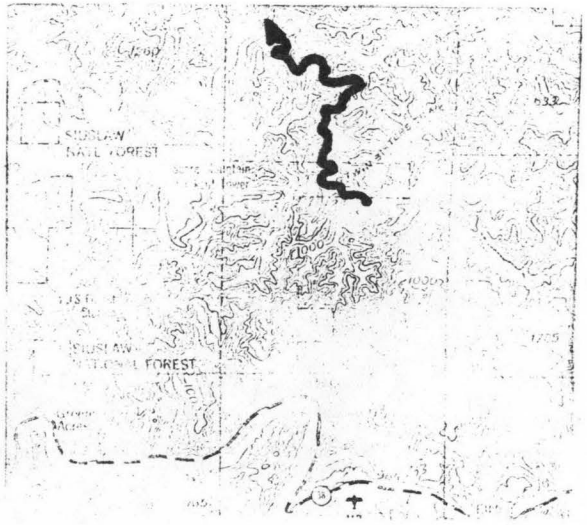
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 228 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-000-000-R0007

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.1, T21S, R8W	
D. Latitude, Longitude	43°46'N,123°35'W	
E. Stream Name	Smith River	
F. Major Basin Name	Umpqua	
G. River Mile	55.0 to 66.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

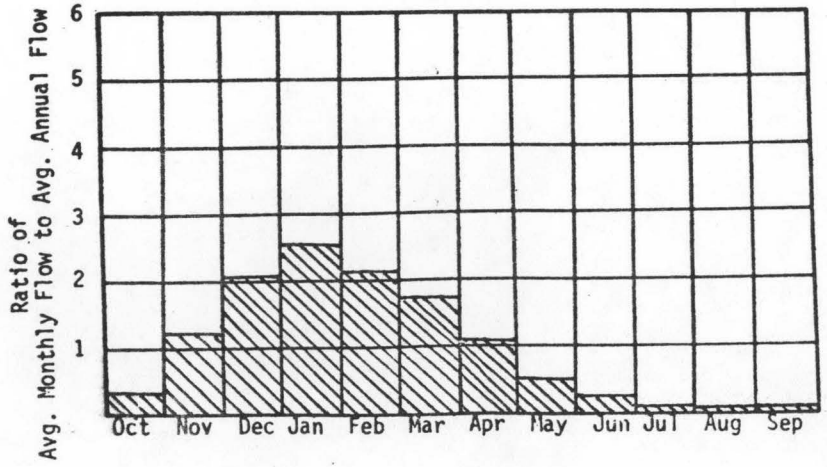
A. Upstream Elevation of Reach	537	Ft. MSL
B. Downstream Elevation of Reach	405	Ft. MSL
C. Total Available Head in Reach	132	Ft.
D. Average Slope in Reach	11.8	Ft./Mi.
E. Drainage Area above Reach Mouth	86.5	Sq.Mi.
F. Inflow Classification	Natural	

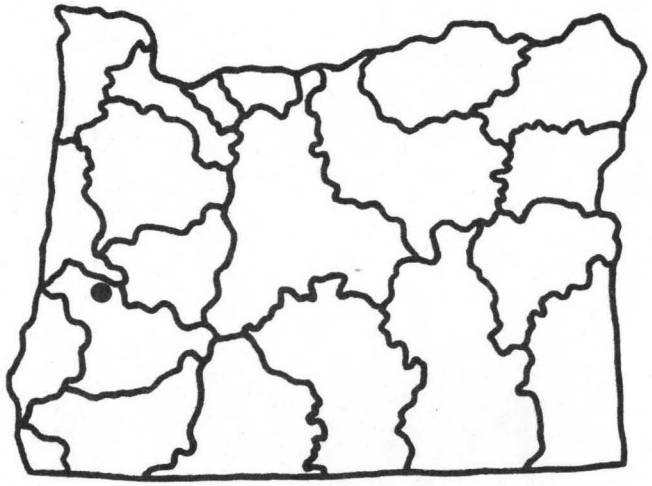
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.0	.03	.30	1.000
80	6.8	.08	.62	.931
50	46.0	.51	3.12	.691
30	127.9	1.43	6.33	.505
10	328.0	3.67	10.25	.319

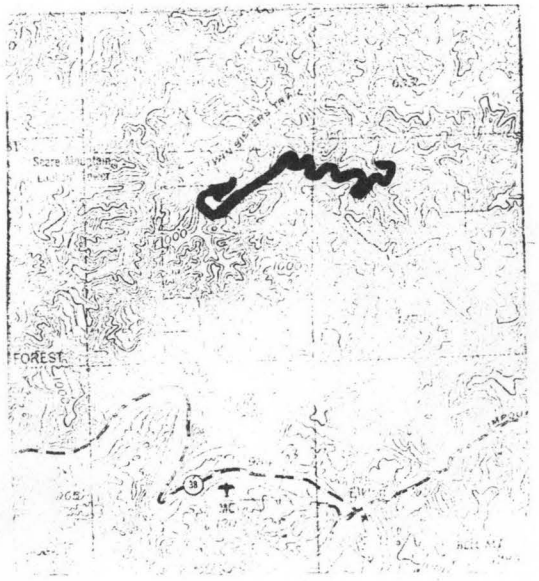
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 156 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-002-000-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.36, T20S, R7W
D.	Latitude, Longitude	43°57'N,123°29'W
E.	Stream Name	Smith River
F.	Major Basin Name	Umpqua
G.	River Mile	66.2 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

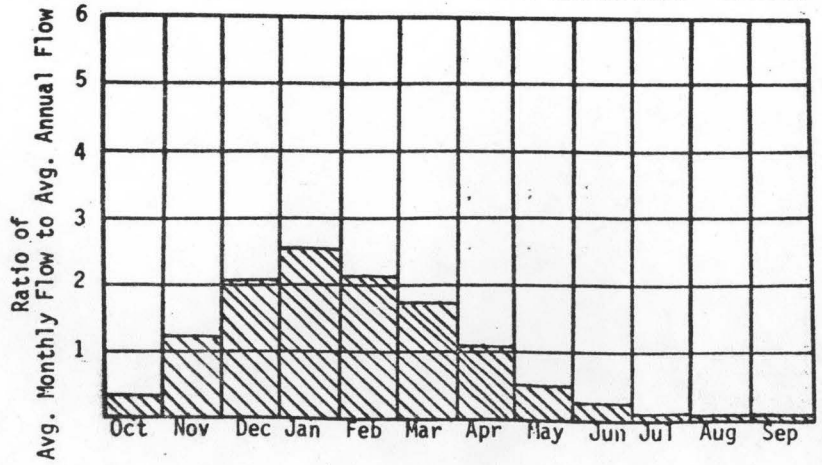
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	59.8	Sq.Mi.
F.	Inflow Classification	Natural	

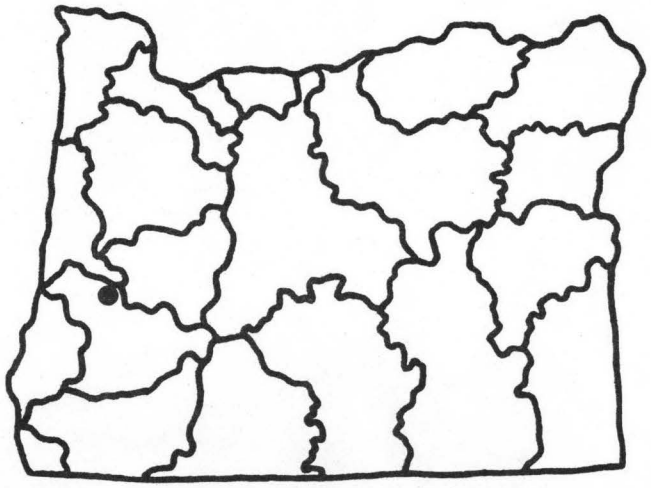
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.1	.01	.10	1.000
80	4.8	.03	.22	.929
50	34.4	.19	1.16	.689
30	98.7	.55	2.42	.501
10	257.1	1.44	3.97	.315

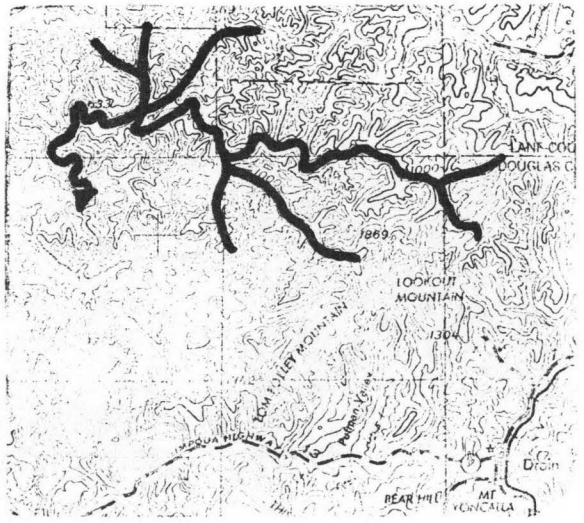
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 122 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.32, T21S, R11W
D.	Latitude, Longitude	43°41'N,123°03'W
E.	Stream Name	Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	11.5 to 16.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

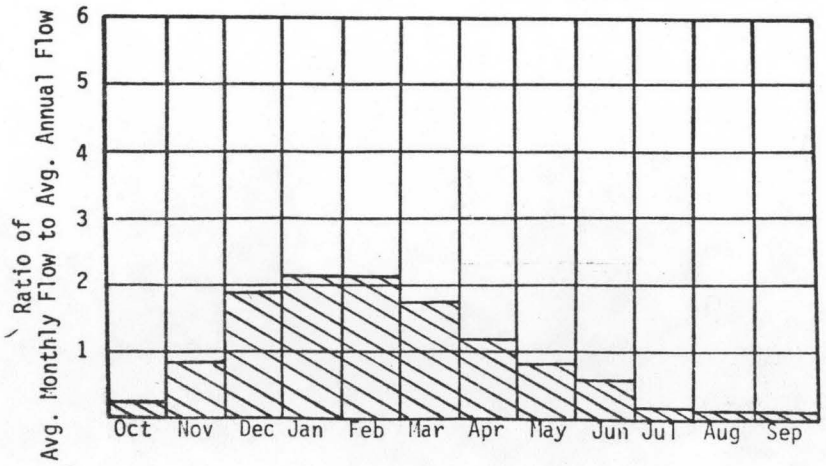
A.	Upstream Elevation of Reach	2	Ft. MSL
B.	Downstream Elevation of Reach	1	Ft. MSL
C.	Total Available Head in Reach	1	Ft.
D.	Average Slope in Reach	0.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	4193.2	Sq.Mi.
F.	Inflow Classification	Regulated	

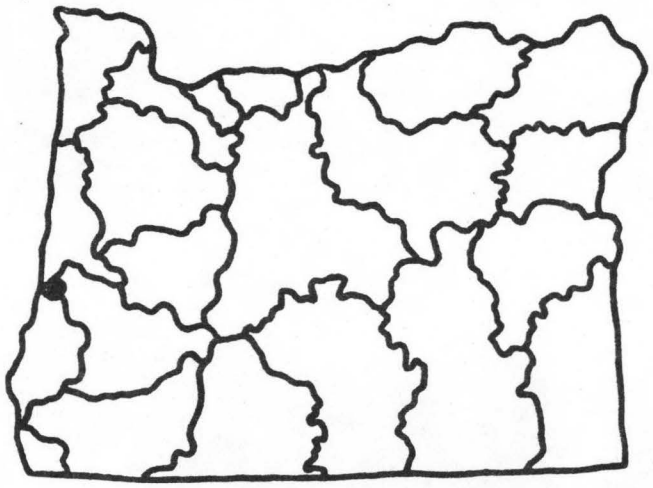
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2045.3	.17	1.52	1.000
80	2827.3	.24	2.03	.965
50	6481.7	.55	3.79	.788
30	10838.6	.92	5.08	.632
10	21011.0	1.78	6.59	.423

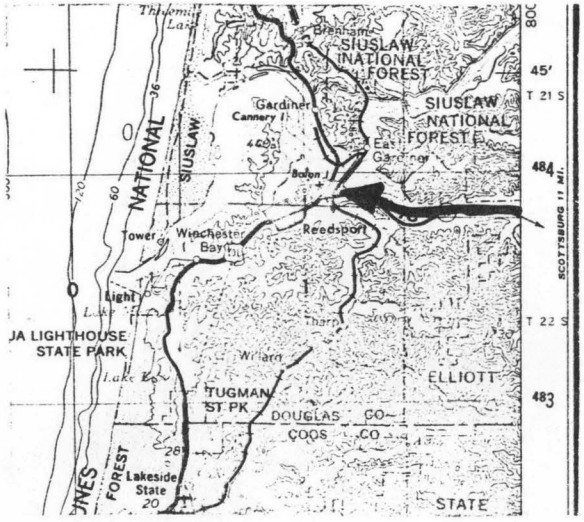
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 10462 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.7, T22S, R10W	
D. Latitude, Longitude	43°40'N,123°56'W	
E. Stream Name	Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	16.5 to 24.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

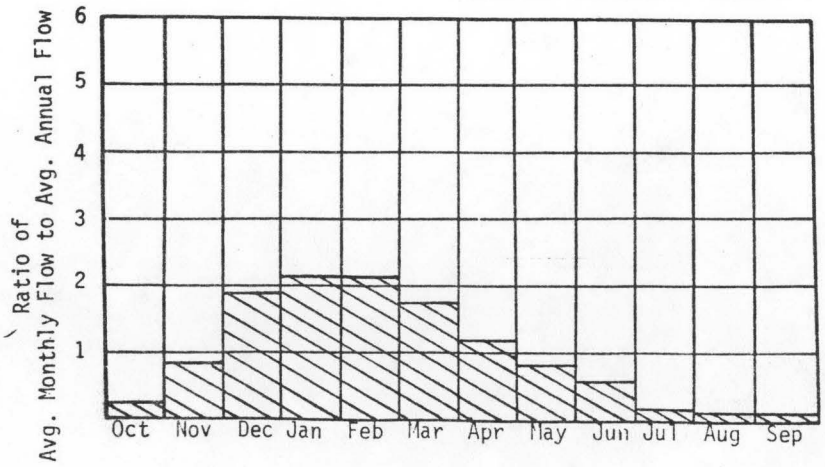
A. Upstream Elevation of Reach	3	Ft. MSL
B. Downstream Elevation of Reach	2	Ft. MSL
C. Total Available Head in Reach	1	Ft.
D. Average Slope in Reach	0.1	Ft./Mi.
E. Drainage Area above Reach Mouth	4172.8	Sq.Mi.
F. Inflow Classification	Regulated	

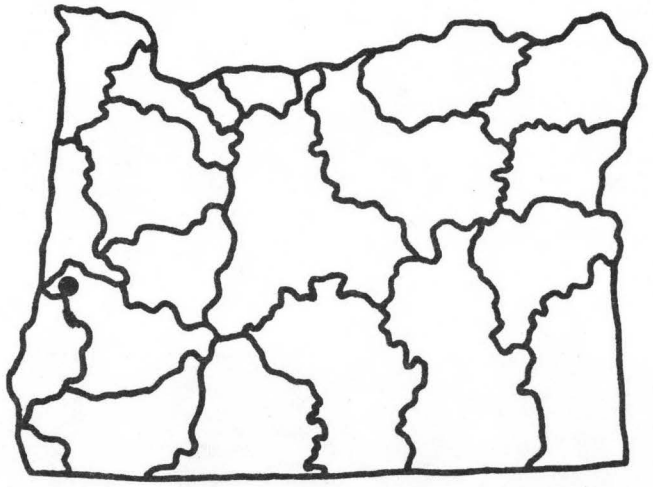
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1999.7	.17	1.48	1.000
80	2768.9	.23	1.98	.965
50	6371.7	.54	3.72	.787
30	10673.5	.90	5.00	.631
10	20710.8	1.76	6.49	.422

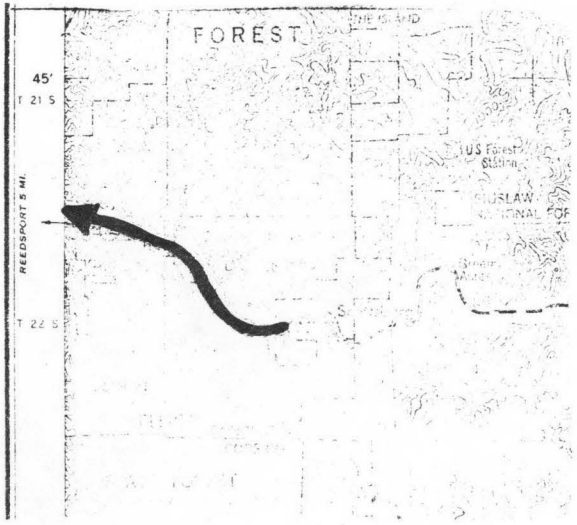
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 10310 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-011-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.26, T22S, R10W
D.	Latitude, Longitude	43°38'N.123°52'W
E.	Stream Name	Mill Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 6.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

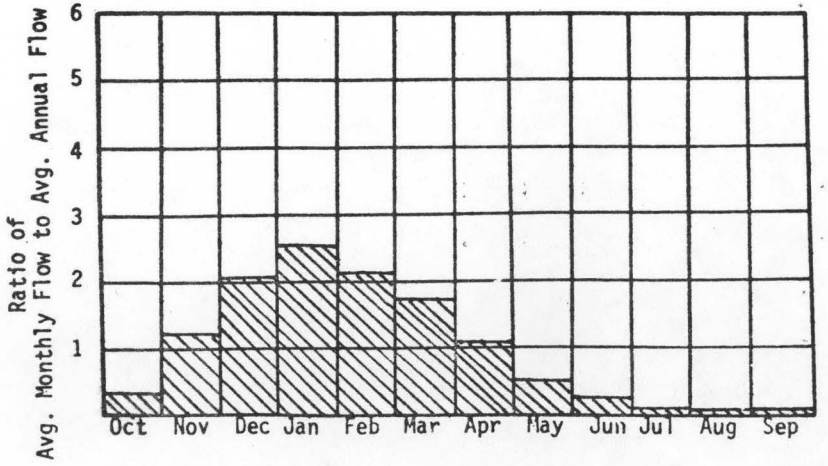
A.	Upstream Elevation of Reach	112	Ft. MSL
B.	Downstream Elevation of Reach	3	Ft. MSL
C.	Total Available Head in Reach	109	Ft.
D.	Average Slope in Reach	160	Ft./Mi.
E.	Drainage Area above Reach Mouth	136	Sq.Mi.
F.	Inflow Classification	Natural	

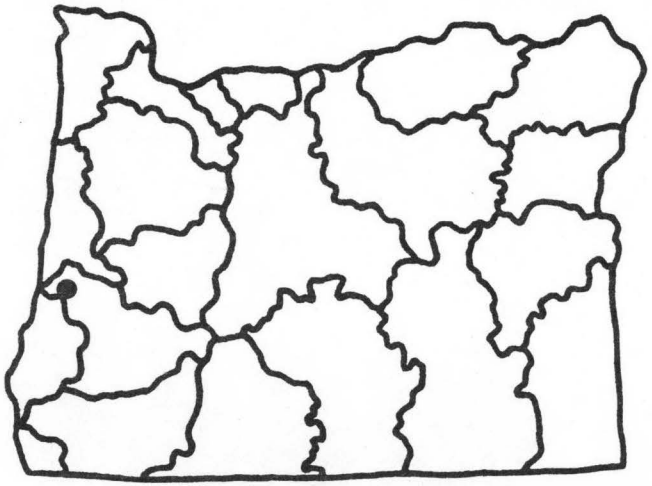
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	19.5	.18	1.58	1.000
80	38.0	.35	2.89	.939
50	189.3	1.75	10.84	.708
30	455.1	4.20	19.45	.528
10	1077.2	9.95	29.52	.339

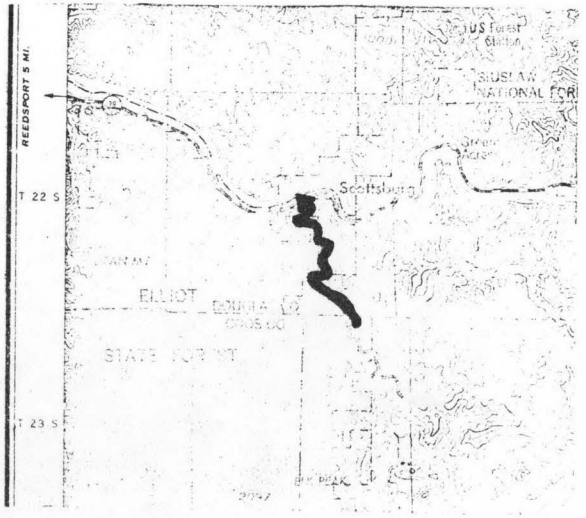
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 520 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-011-002-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.12, T23S, R9W
D.	Latitude, Longitude	43°35'N,123°44'W
E.	Stream Name	Camp Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

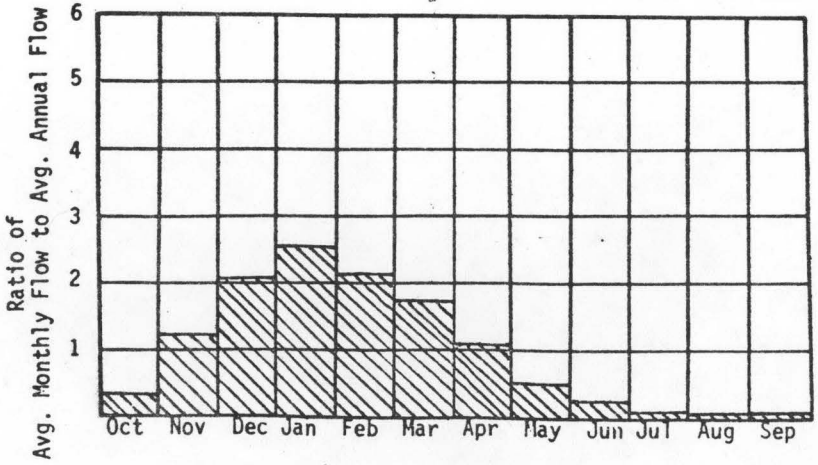
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	39.6	Sq.Mi.
F.	Inflow Classification	Natural	

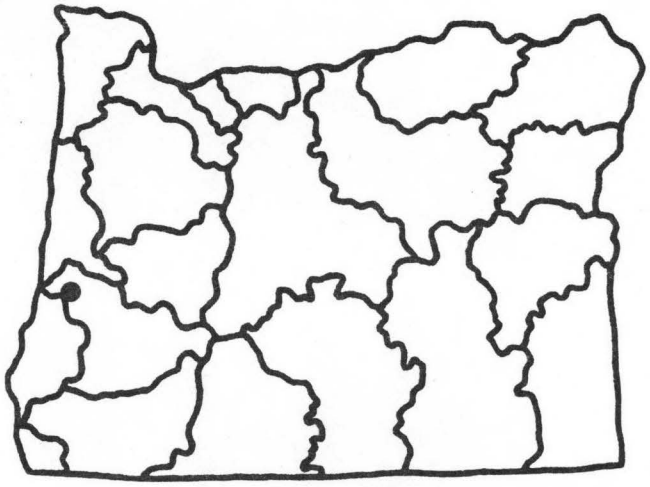
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.4	.01	.12	1.000
80	5.6	.03	.25	.930
50	39.2	.22	1.32	.690
30	110.7	.62	2.73	.502
10	286.5	1.60	4.45	.317

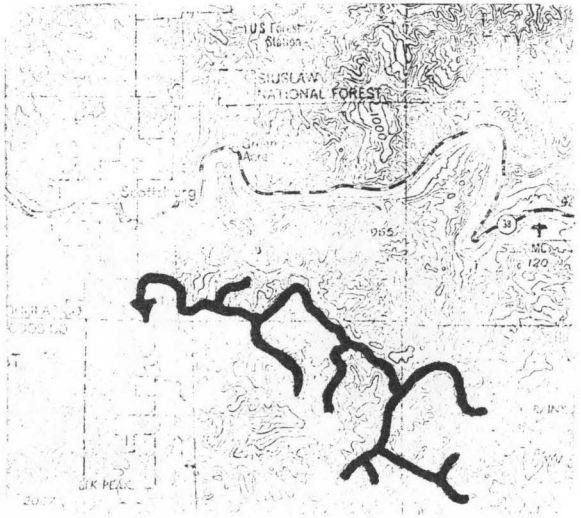
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 136 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-011-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.11, T23S, R10W
D.	Latitude, Longitude	43°38'N,123°51'W
E.	Stream Name	Mill Creek
F.	Major Basin Name	Umpqua
G.	River Mile	6.8 to 10.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

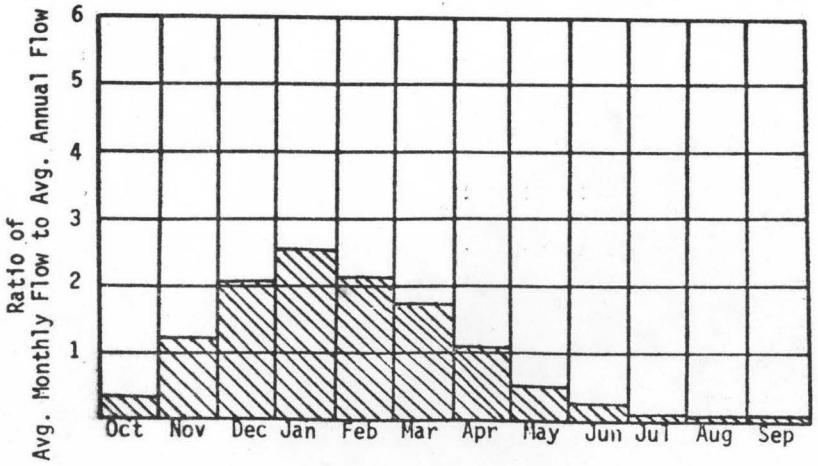
A.	Upstream Elevation of Reach	404	Ft. MSL
B.	Downstream Elevation of Reach	112	Ft. MSL
C.	Total Available Head in Reach	292	Ft.
D.	Average Slope in Reach	74.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	88.7	Sq.Mi.
F.	Inflow Classification	Natural	

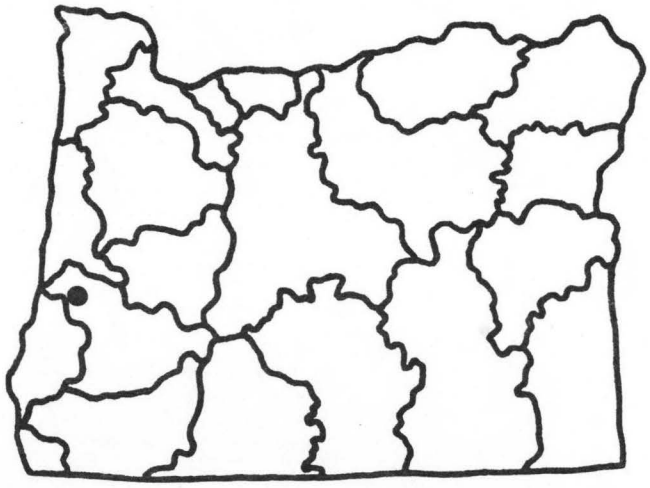
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.9	.25	2.15	1.000
80	20.4	.50	4.13	.936
50	113.5	2.81	17.26	.701
30	287.7	7.12	32.36	.519
10	700.9	17.34	50.27	.331

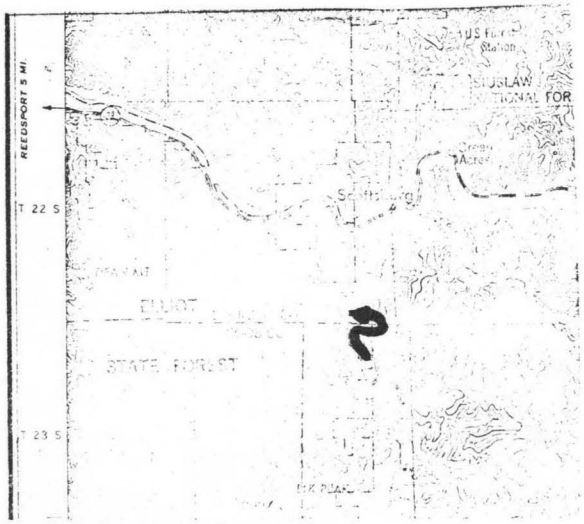
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 336 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-011-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.36, T23S, R10W
D.	Latitude, Longitude	43°31'N,123°51'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 16.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

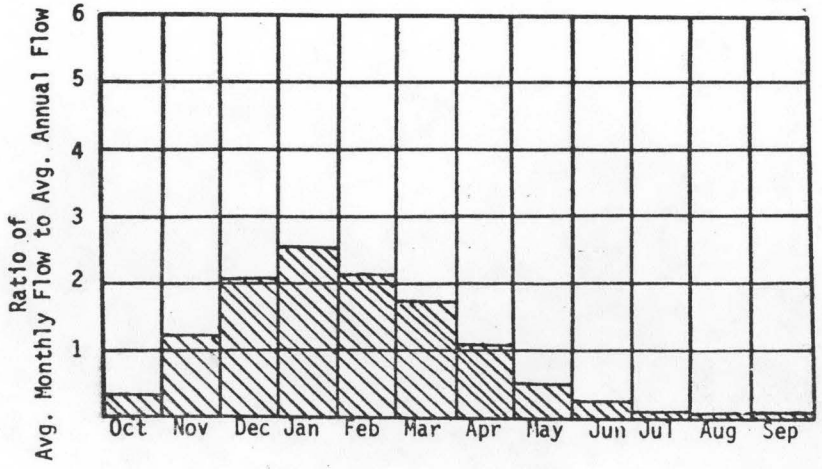
A.	Upstream Elevation of Reach	700	Ft. MSL
B.	Downstream Elevation of Reach	404	Ft. MSL
C.	Total Available Head in Reach	296	Ft.
D.	Average Slope in Reach	18.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	80.6	Sq.Mi.
F.	Inflow Classification	Natural	

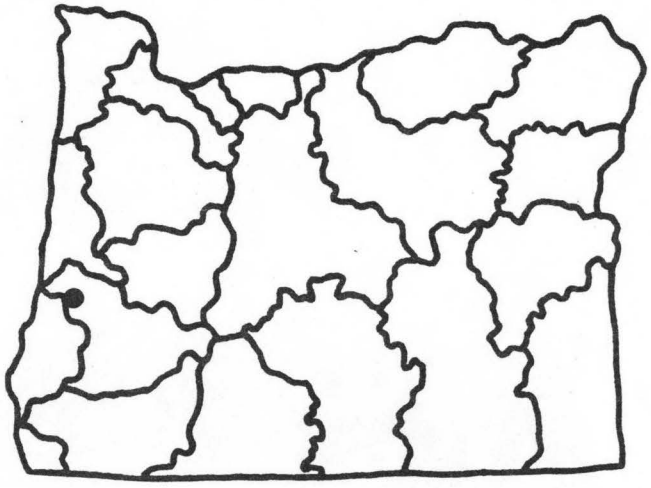
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.3	.13	1.16	1.000
80	11.3	.28	2.32	.933
50	70.1	1.76	10.71	.696
30	186.6	4.68	20.96	.511
10	467.3	11.72	33.29	.324

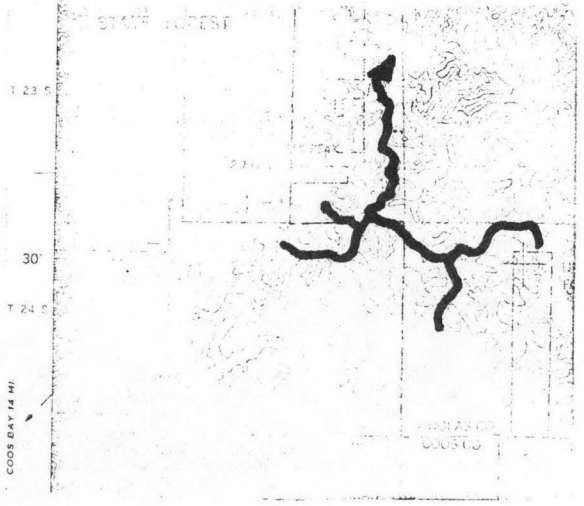
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 223 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-011-005-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.24, T24S, R9W
D.	Latitude, Longitude	43°28'N,123°44'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Umpqua
G.	River Mile	16.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

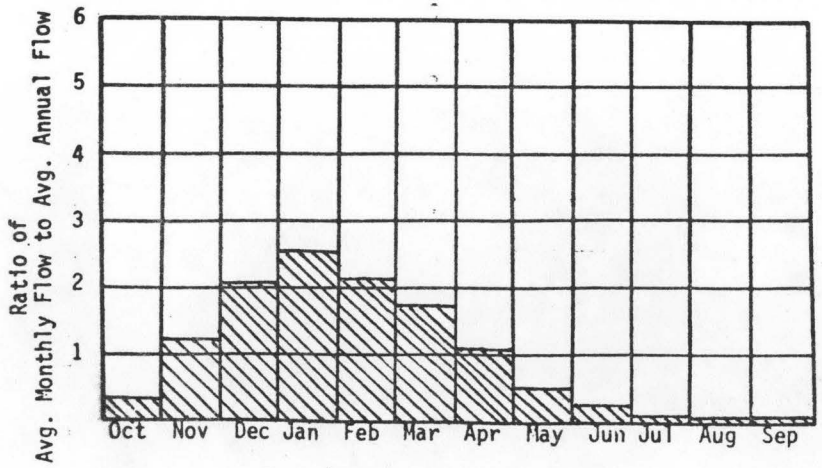
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	35.3	Sq.Mi.
F.	Inflow Classification	Natural	

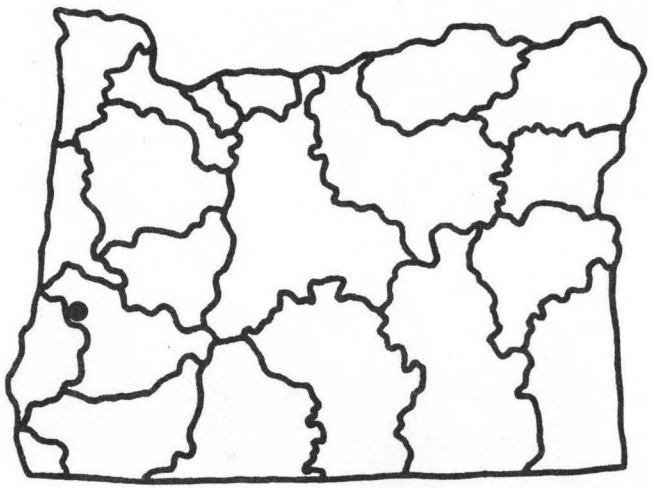
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.2	.01	.11	1.000
80	5.1	.03	.23	.930
50	36.2	.20	1.22	.689
30	103.2	.58	2.54	.501
10	268.2	1.50	4.15	.316

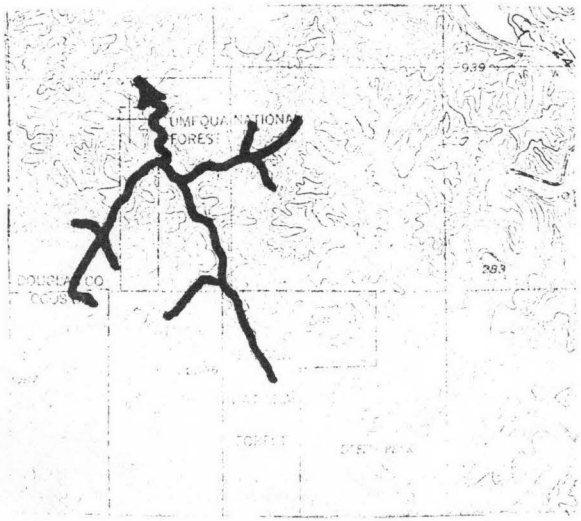
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 127 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.7, T22S, R9W
D.	Latitude, Longitude	43°40'N,123°48'W
E.	Stream Name	Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	24.2 to 33.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

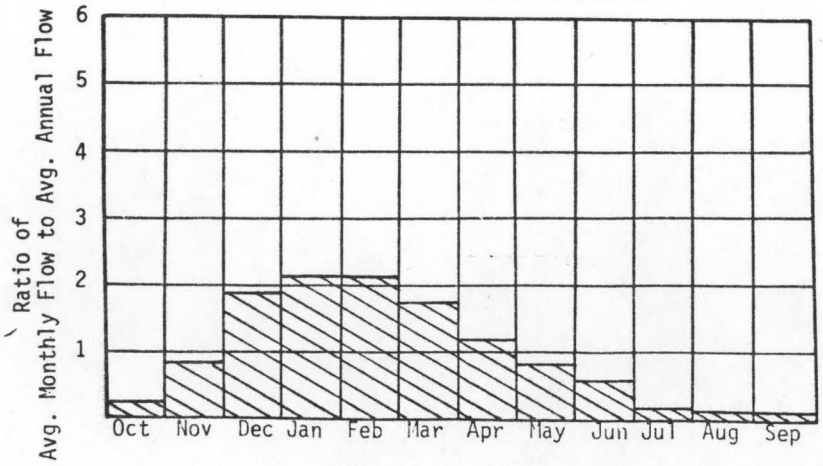
A.	Upstream Elevation of Reach	14	Ft. MSL
B.	Downstream Elevation of Reach	3	Ft. MSL
C.	Total Available Head in Reach	11	Ft.
D.	Average Slope in Reach	1.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	4002.3	Sq.Mi.
F.	Inflow Classification	Regulated	

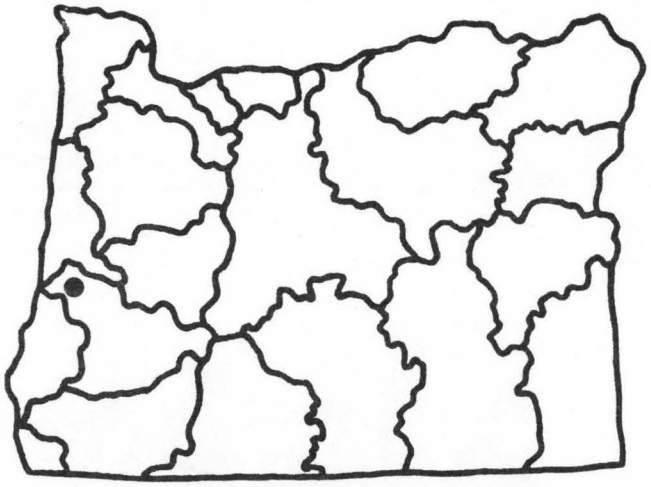
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1768.3	1.65	14.44	1.000
80	2470.8	2.30	19.46	.964
50	5803.7	5.41	37.15	.784
30	9815.8	9.15	50.26	.627
10	19147.3	17.85	65.50	.419

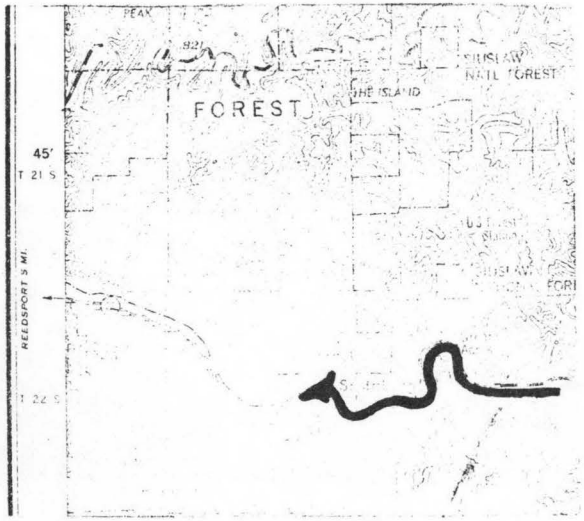
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 9524 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.7, T22S, R8W
D.	Latitude, Longitude	43°40'N,123°41'W
E.	Stream Name	Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	33.8 to 39.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

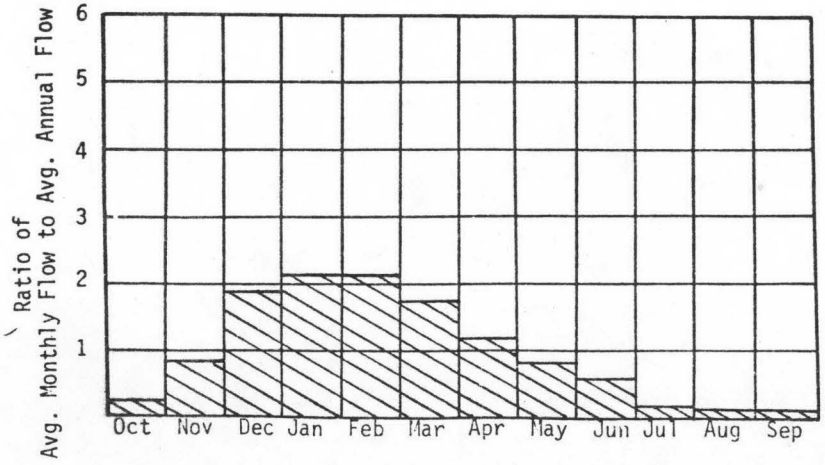
A.	Upstream Elevation of Reach	40	Ft. MSL
B.	Downstream Elevation of Reach	14	Ft. MSL
C.	Total Available Head in Reach	26	Ft.
D.	Average Slope in Reach	4.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	3962	Sq.Mi.
F.	Inflow Classification	Regulated	

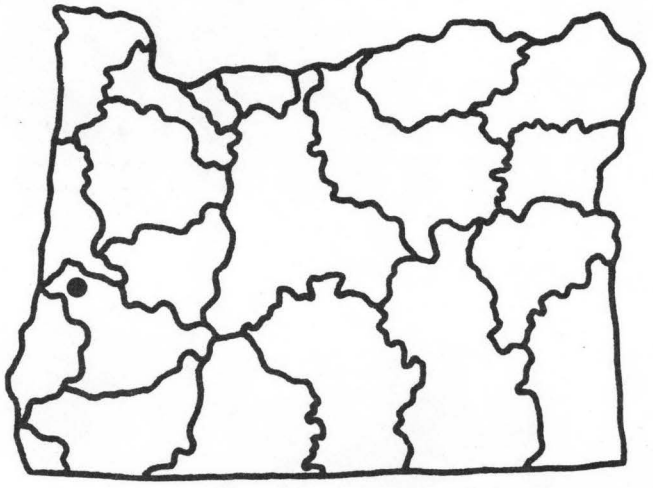
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1721.8	3.79	33.23	1.000
80	2410.6	5.31	44.87	.964
50	5687.5	12.53	85.98	.783
30	9639.2	21.24	116.49	.626
10	18824.4	41.48	151.95	.418

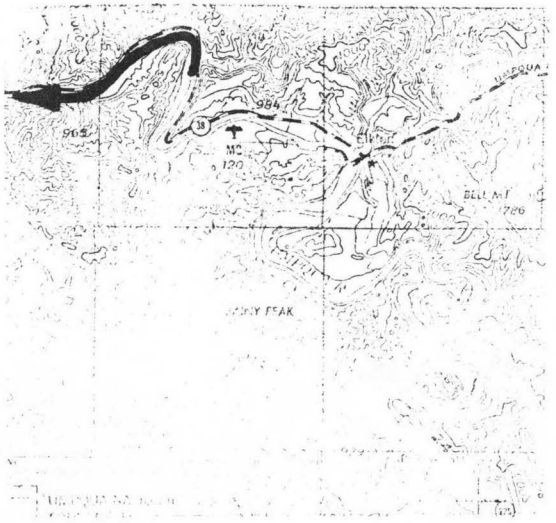
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 9362 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0006

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.21, T22S, R8W	
D. Latitude, Longitude	43°39'N,123°39'W	
E. Stream Name	Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	39.3 to 48.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

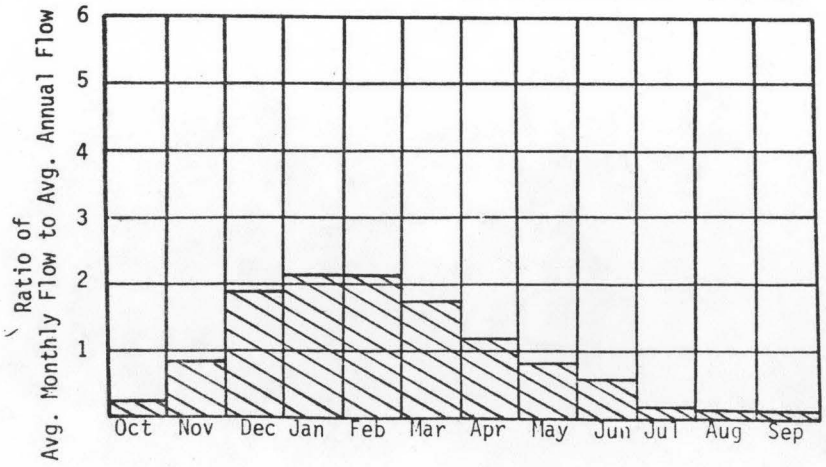
A. Upstream Elevation of Reach	73	Ft. MSL
B. Downstream Elevation of Reach	40	Ft. MSL
C. Total Available Head in Reach	33	Ft.
D. Average Slope in Reach	3.5	Ft./Mi.
E. Drainage Area above Reach Mouth	3923.5	Sq.Mi.
F. Inflow Classification	Regulated	

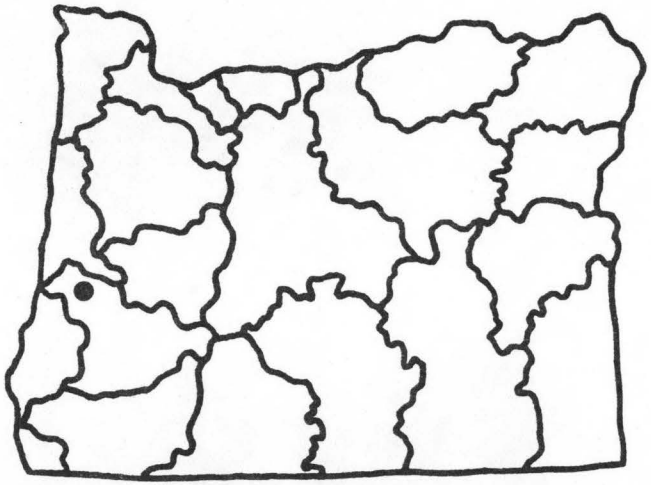
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1684.0	4.71	41.26	1.000
80	2361.6	6.60	55.78	.964
50	5592.5	15.64	107.23	.783
30	9494.7	26.55	145.47	.625
10	18559.8	51.90	189.88	.418

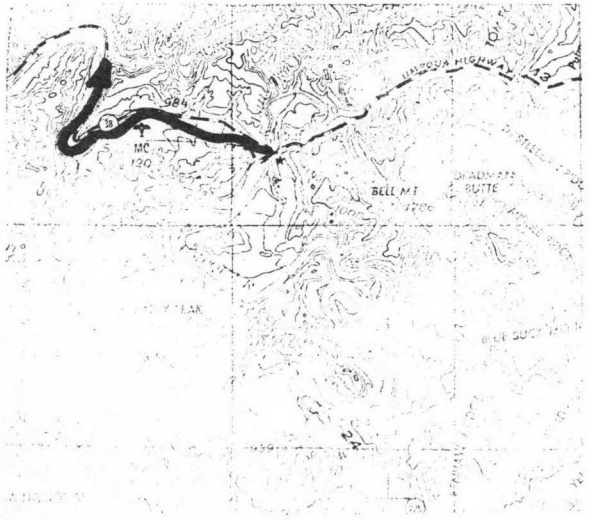
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 9229 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-020-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.21, T22S, R7W
D.	Latitude, Longitude	43°39'N,123°32'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 8.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

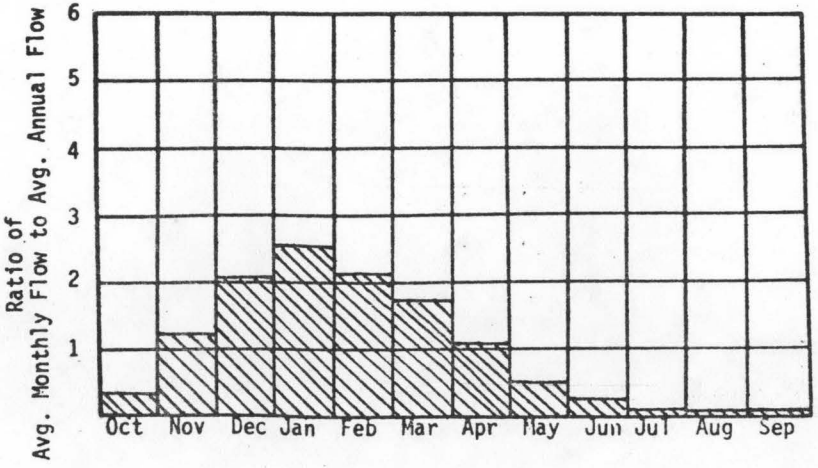
A.	Upstream Elevation of Reach	141	Ft. MSL
B.	Downstream Elevation of Reach	73	Ft. MSL
C.	Total Available Head in Reach	68	Ft.
D.	Average Slope in Reach	7.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	287.3	Sq.Mi.
F.	Inflow Classification	Natural	

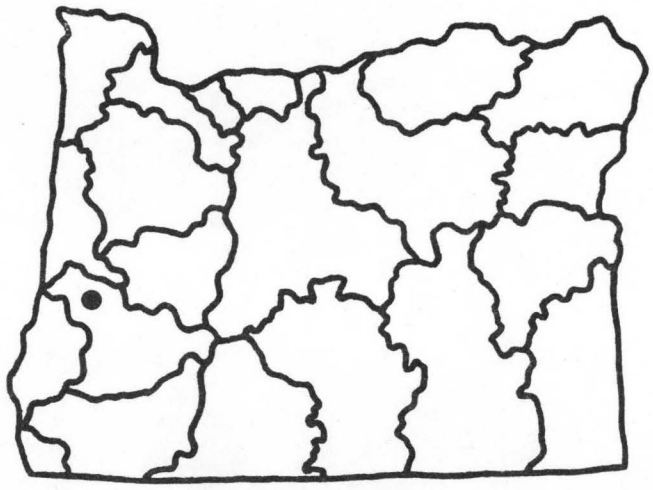
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	19.5	.11	.98	1.000
80	38.0	.22	1.80	.939
50	189.3	1.09	6.77	.708
30	455.2	2.62	12.13	.528
10	1077.3	6.21	18.42	.339

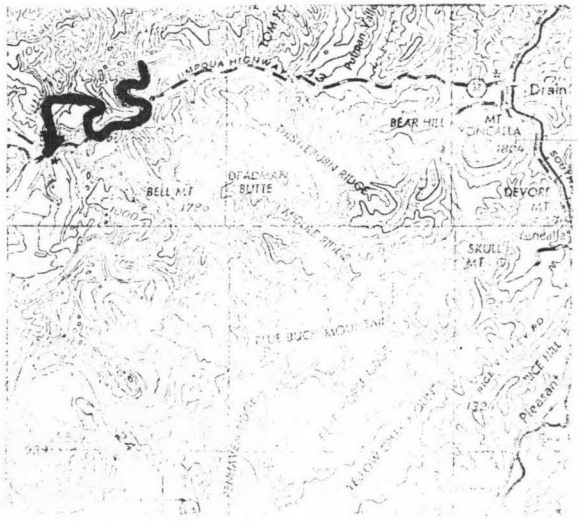
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 520 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-020-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.11, T22S, R7W
D.	Latitude, Longitude	43°39'N,123°30'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Umpqua
G.	River Mile	8.8 to 12.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

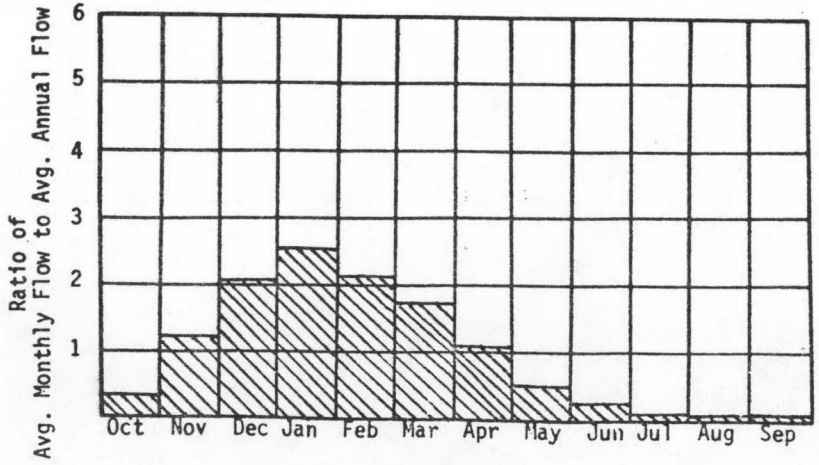
A.	Upstream Elevation of Reach	175	Ft. MSL
B.	Downstream Elevation of Reach	141	Ft. MSL
C.	Total Available Head in Reach	34	Ft.
D.	Average Slope in Reach	8.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	249.7	Sq.Mi.
F.	Inflow Classification	Natural	

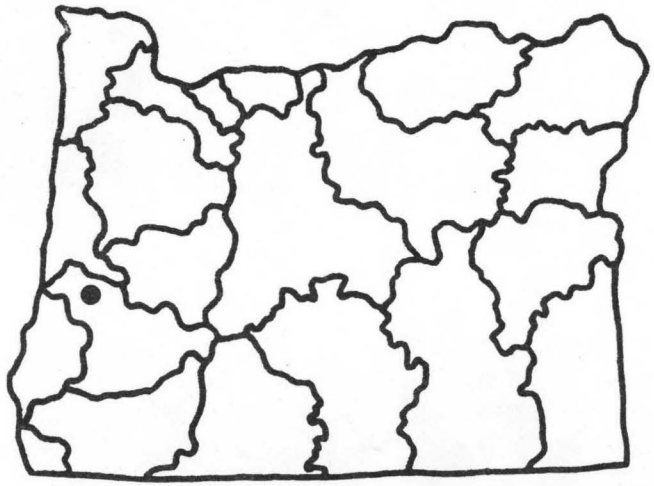
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.7	.05	.40	1.000
80	31.2	.09	.74	.938
50	161.0	.46	2.87	.706
30	393.6	1.13	5.22	.525
10	940.2	2.71	7.98	.336

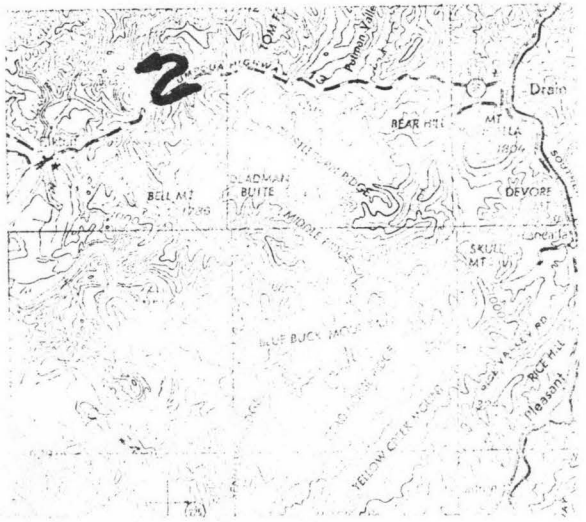
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 453 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-020-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.15, T22S, R6W
D.	Latitude, Longitude	43°39'N,123°24'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Umpqua
G.	River Mile	12.8 to 22.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

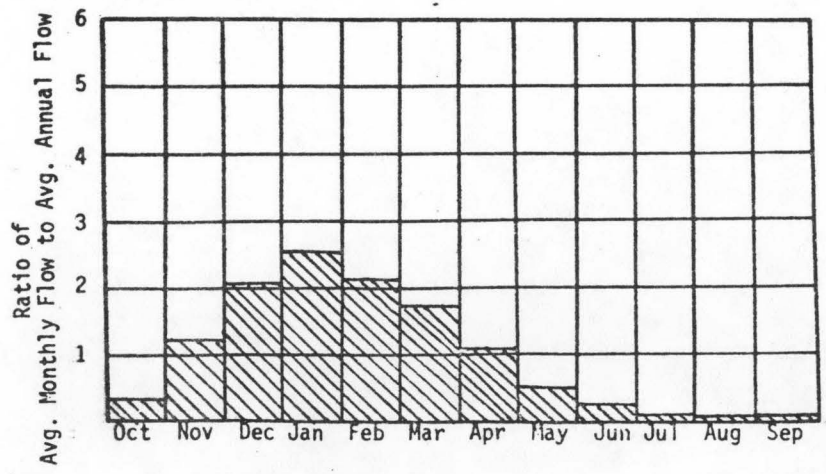
A.	Upstream Elevation of Reach	259	Ft. MSL
B.	Downstream Elevation of Reach	175	Ft. MSL
C.	Total Available Head in Reach	84	Ft.
D.	Average Slope in Reach	8.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	226.7	Sq.Mi.
F.	Inflow Classification	Natural	

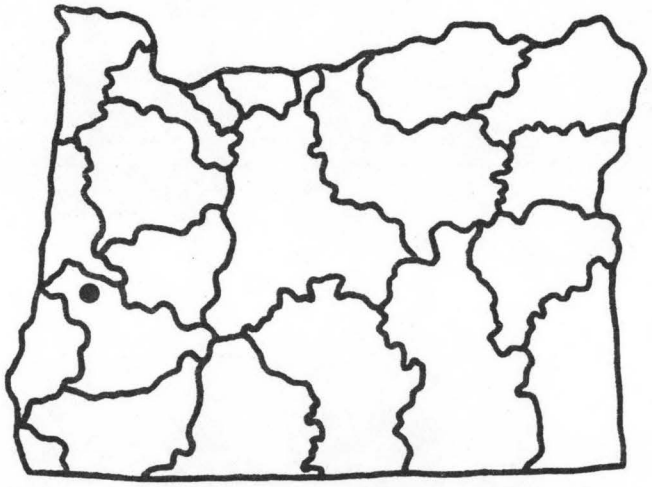
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.8	.08	.74	1.000
80	23.9	.17	1.40	.937
50	129.6	.92	5.68	.703
30	324.1	2.31	10.53	.521
10	783.6	5.58	16.26	.333

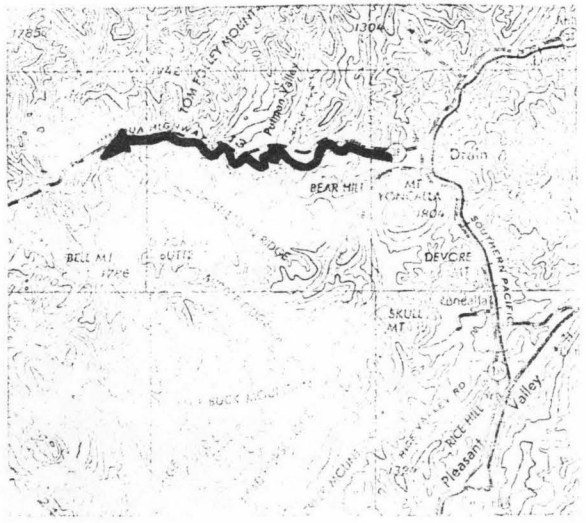
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 377 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-020-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.14, T22S, R5W
D.	Latitude, Longitude	43°39'N,123°30'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Umpqua
G.	River Mile	22.7 to 24.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

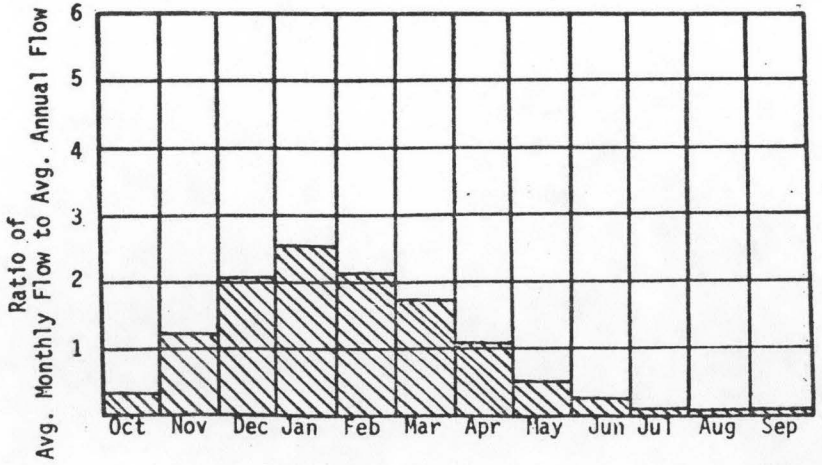
A.	Upstream Elevation of Reach	271	Ft. MSL
B.	Downstream Elevation of Reach	259	Ft. MSL
C.	Total Available Head in Reach	12	Ft.
D.	Average Slope in Reach	8	Ft./Mi.
E.	Drainage Area above Reach Mouth	167.8	Sq.Mi.
F.	Inflow Classification	Natural	

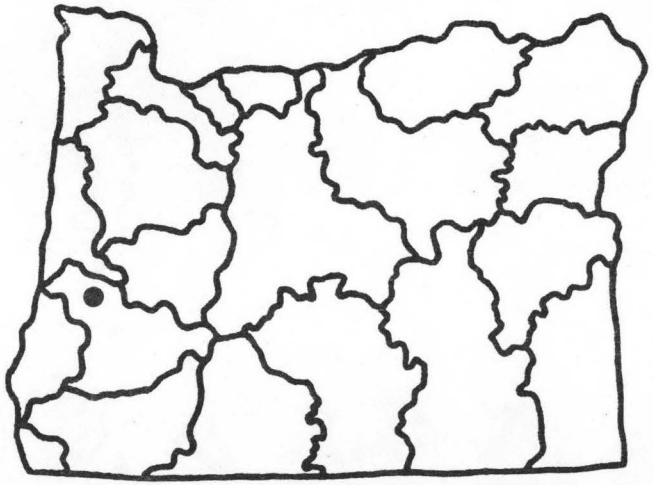
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.0	.01	.07	1.000
80	16.7	.02	.14	.935
50	96.4	.10	.60	.699
30	248.5	.25	1.14	.516
10	610.9	.62	1.79	.329

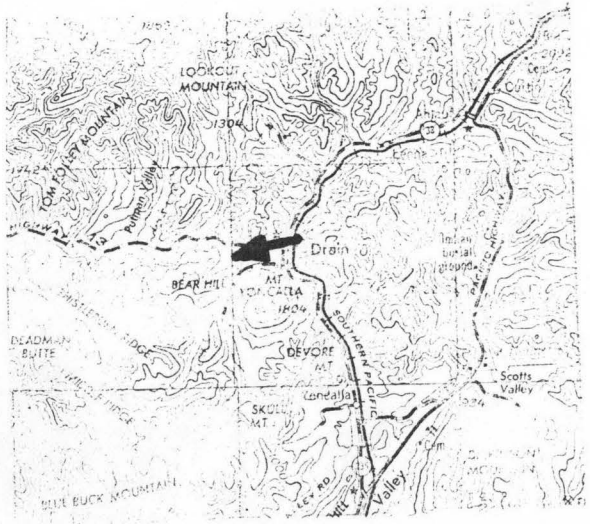
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 293 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-020-000-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.16, T22S, R5W	
D. Latitude, Longitude	43°39'N,123°18'W	
E. Stream Name	Elk Creek	
F. Major Basin Name	Umpqua	
G. River Mile	24.2 to 26.4	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

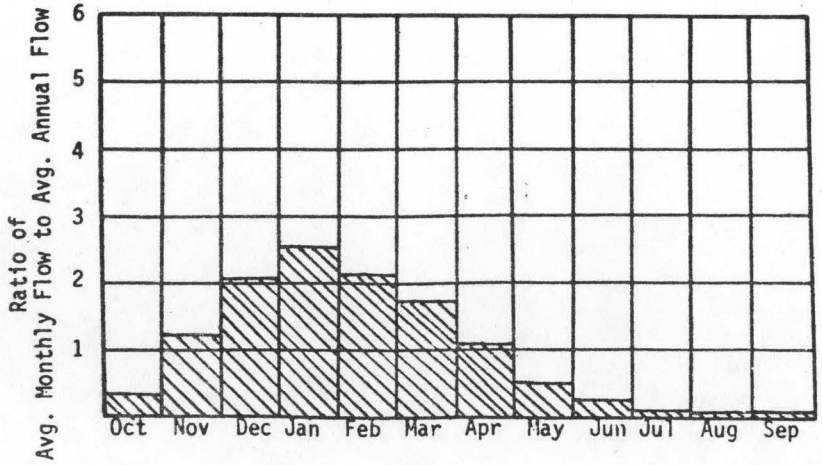
A. Upstream Elevation of Reach	309	Ft. MSL
B. Downstream Elevation of Reach	271	Ft. MSL
C. Total Available Head in Reach	38	Ft.
D. Average Slope in Reach	17.3	Ft./Mi.
E. Drainage Area above Reach Mouth	105.8	Sq.Mi.
F. Inflow Classification	Natural	

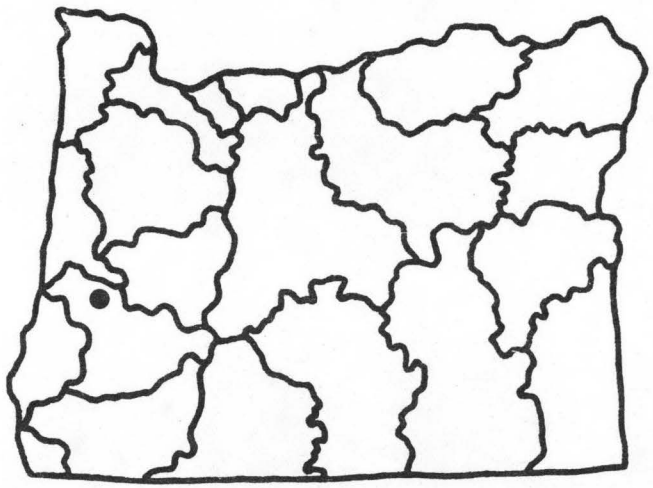
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.8	.01	.11	1.000
80	8.5	.03	.22	.932
50	55.2	.18	1.08	.693
30	150.6	.49	2.16	.507
10	382.2	1.23	3.46	.321

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 182 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-020-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.31, T22S, R4W
D.	Latitude, Longitude	43°37'N.123°13'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Umpqua
G.	River Mile	26.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

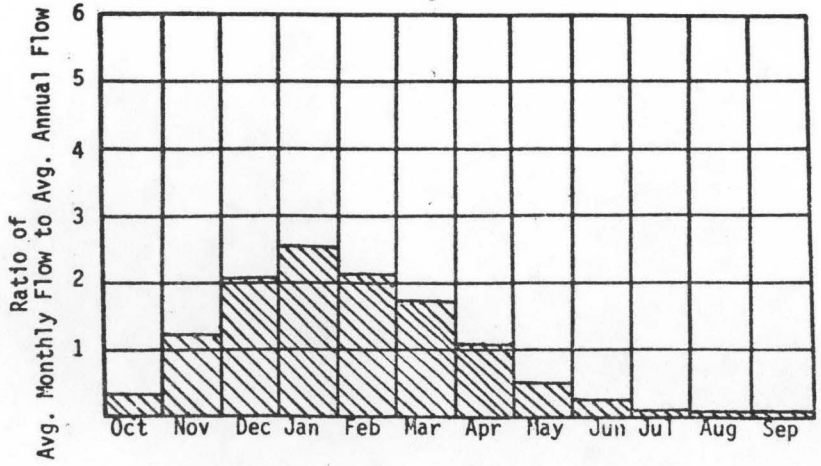
A.	Upstream Elevation of Reach	---	Ft. MSL
B.	Downstream Elevation of Reach	---	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	---	Ft./Mi.
E.	Drainage Area above Reach Mouth	76.3	Sq.Mi.
F.	Inflow Classification	Natural	

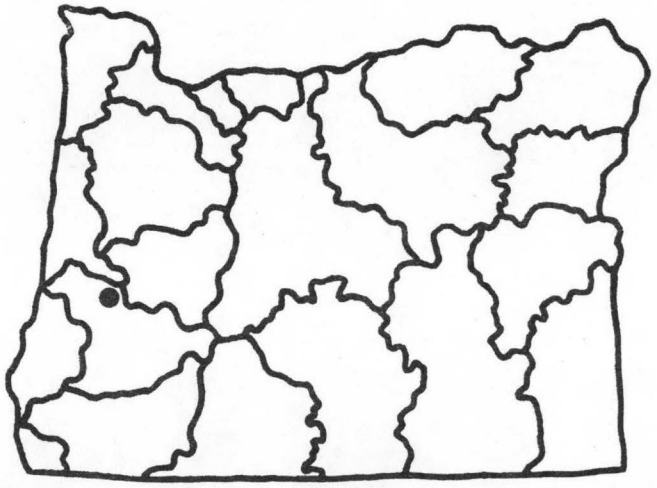
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.4	.01	.12	1.000
80	5.5	.03	.25	.930
50	38.8	.22	1.31	.690
30	109.8	.61	2.70	.502
10	284.1	1.59	4.41	.317

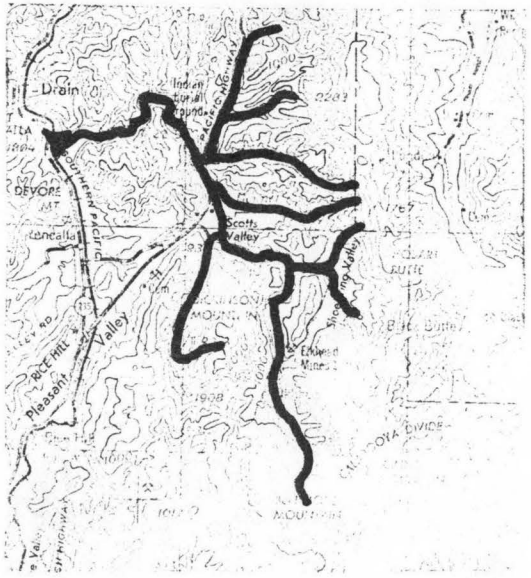
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 135 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.2, T23S, R8W
D.	Latitude, Longitude	43°36'N,123°38'W
E.	Stream Name	Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	48.6 to 56.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

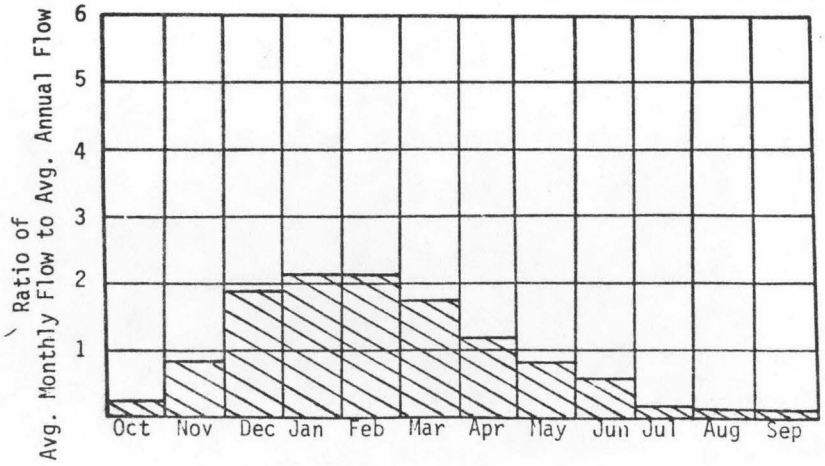
A.	Upstream Elevation of Reach	96	Ft. MSL
B.	Downstream Elevation of Reach	73	Ft. MSL
C.	Total Available Head in Reach	23	Ft.
D.	Average Slope in Reach	2.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	3616.7	Sq.Mi.
F.	Inflow Classification	Regulated	

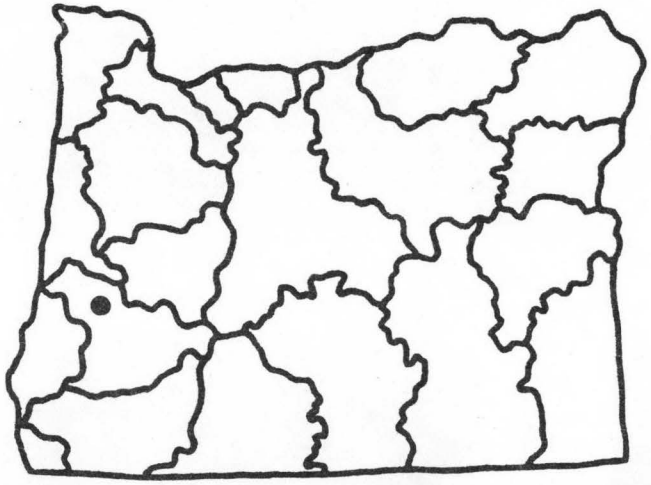
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1485.8	2.90	25.37	1.000
80	2103.1	4.10	34.59	.963
50	5085.3	9.91	67.69	.780
30	8718.4	16.99	92.50	.621
10	17134.1	33.40	121.24	.414

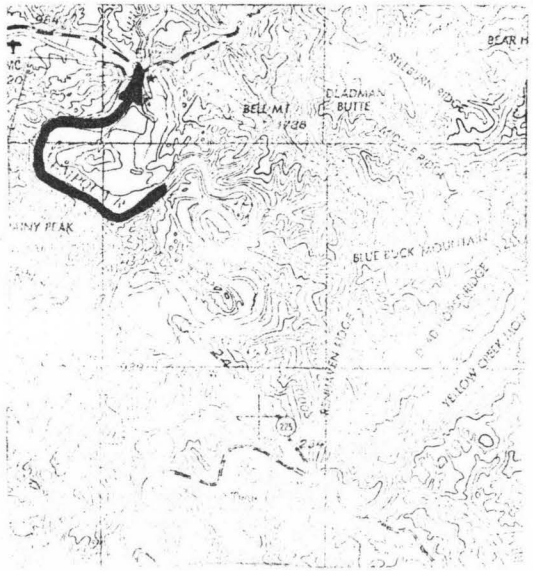
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 8512 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0008

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.15, T23S, R7W	
D. Latitude, Longitude	43°34', 123°31'	
E. Stream Name	Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	56.8 to 66.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

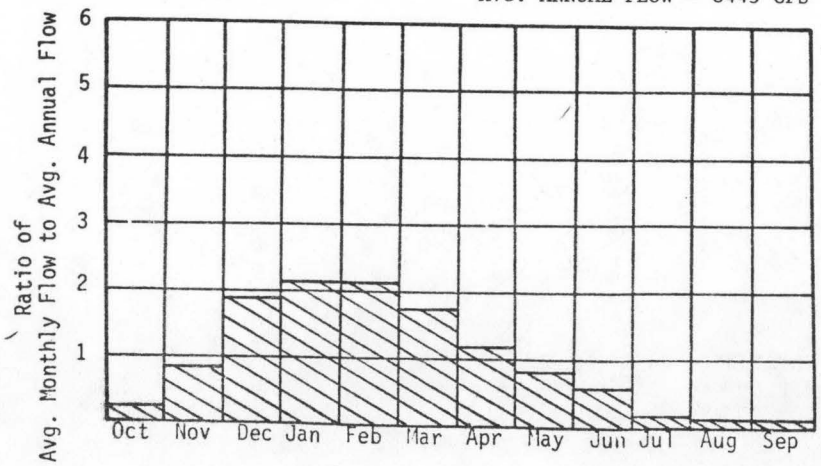
A. Upstream Elevation of Reach	143	Ft. MSL
B. Downstream Elevation of Reach	96	Ft. MSL
C. Total Available Head in Reach	47	Ft.
D. Average Slope in Reach	4.8	Ft./Mi.
E. Drainage Area above Reach Mouth	3588.9	Sq.Mi.
F. Inflow Classification	Regulated	

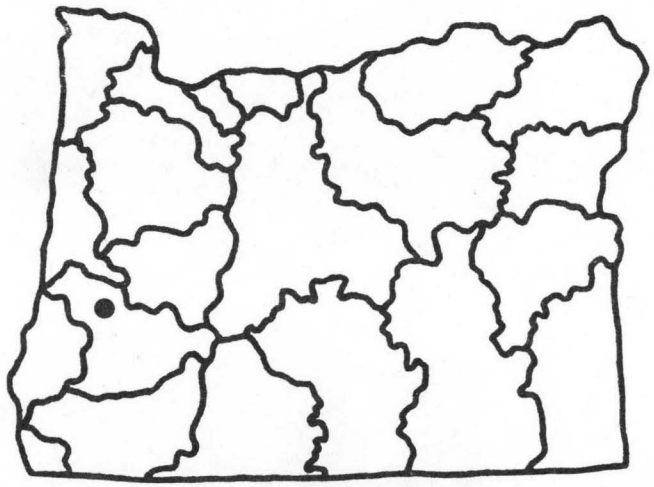
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1467.2	5.84	51.19	1.000
80	2078.7	8.28	68.86	.963
50	5036.9	20.06	136.95	.779
30	8643.9	34.43	186.29	.621
10	16997.0	67.70	245.58	.414

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 8443 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0009

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.7, T23S, R7W	
D. Latitude, Longitude	43°36'N,123°35'W	
E. Stream Name	Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	66.5 to 78.4	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

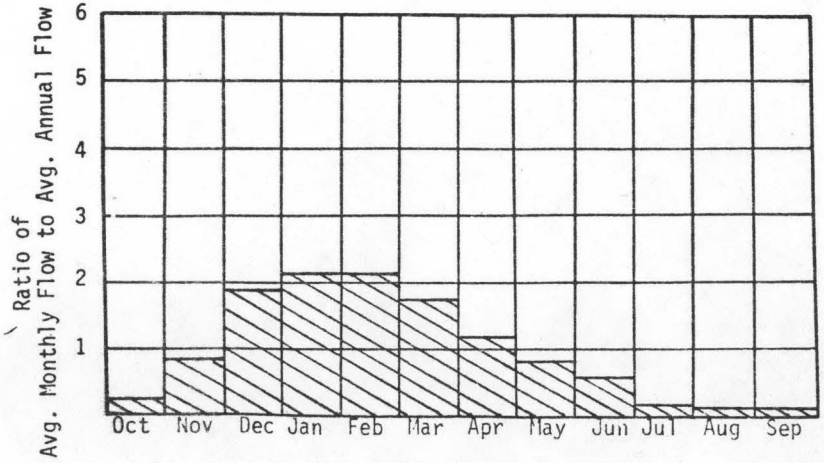
A. Upstream Elevation of Reach	192	Ft. MSL
B. Downstream Elevation of Reach	143	Ft. MSL
C. Total Available Head in Reach	49	Ft.
D. Average Slope in Reach	4.1	Ft./Mi.
E. Drainage Area above Reach Mouth	3565.5	Sq.Mi.
F. Inflow Classification	Regulated	

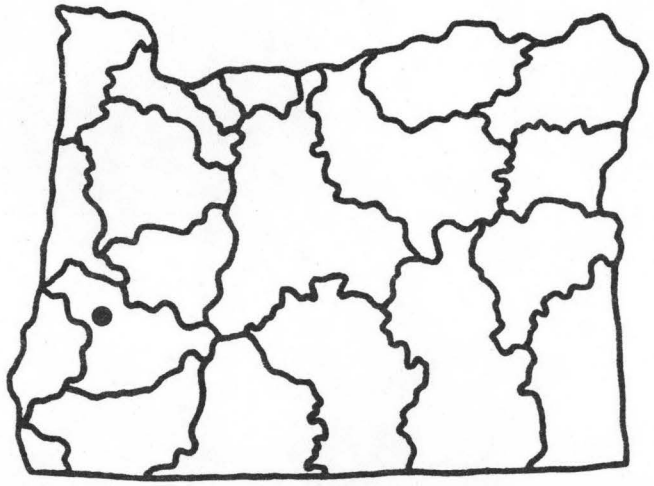
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1447.4	6.01	52.65	1.000
80	2052.7	8.52	71.92	.963
50	4985.3	20.70	141.26	.779
30	8564.4	35.56	193.33	.621
10	16850.3	69.97	253.62	.414

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 8370 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0010

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec. 20, T24S, R7W	
D. Latitude, Longitude	43°29'N, 123°34'W	
E. Stream Name	Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	78.4 to 89.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

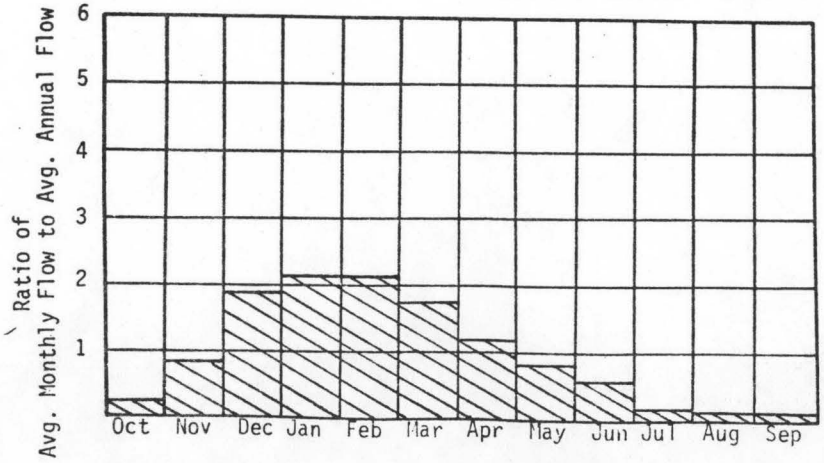
A. Upstream Elevation of Reach	247	Ft. MSL
B. Downstream Elevation of Reach	192	Ft. MSL
C. Total Available Head in Reach	55	Ft.
D. Average Slope in Reach	4.8	Ft./Mi.
E. Drainage Area above Reach Mouth	3521.2	Sq.Mi.
F. Inflow Classification	Regulated	

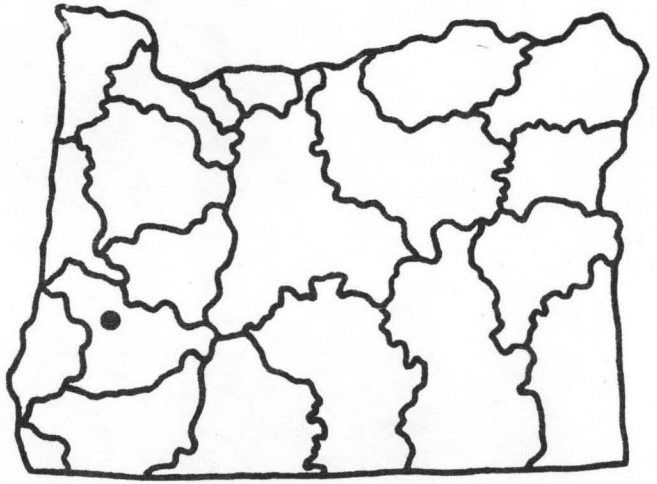
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1410.7	6.58	57.60	1.000
80	2004.4	9.34	78.81	.963
50	4888.9	22.79	155.36	.778
30	8415.7	39.23	212.96	.620
10	16576.0	77.26	279.60	.413

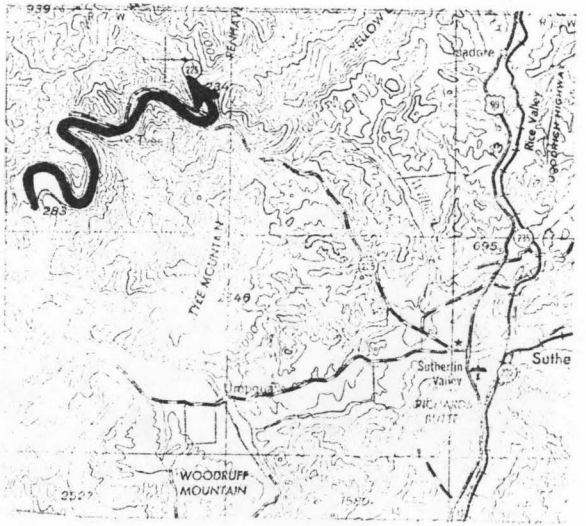
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 8232 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0011

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.7, T25S, R7W	
D. Latitude, Longitude	43°24'N,123°35'W	
E. Stream Name	Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	89.8 to 98.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

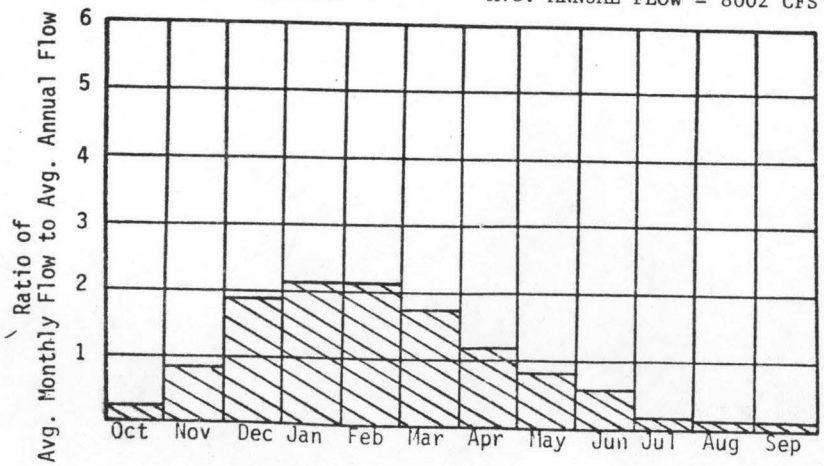
A. Upstream Elevation of Reach	299	Ft. MSL
B. Downstream Elevation of Reach	247	Ft. MSL
C. Total Available Head in Reach	52	Ft.
D. Average Slope in Reach	6.0	Ft./Mi.
E. Drainage Area above Reach Mouth	3450.5	Sq.Mi.
F. Inflow Classification	Regulated	

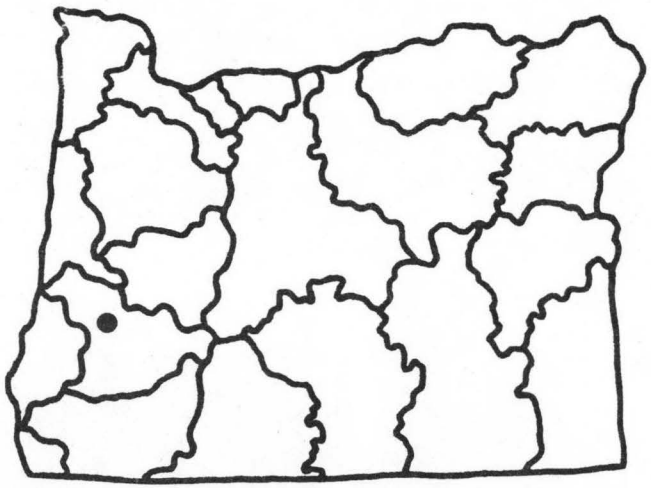
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1349.9	5.95	52.11	1.000
80	1924.3	8.48	71.51	.963
50	4728.1	20.84	141.87	.777
30	8166.9	35.99	194.97	.618
10	16116.4	71.02	256.34	.412

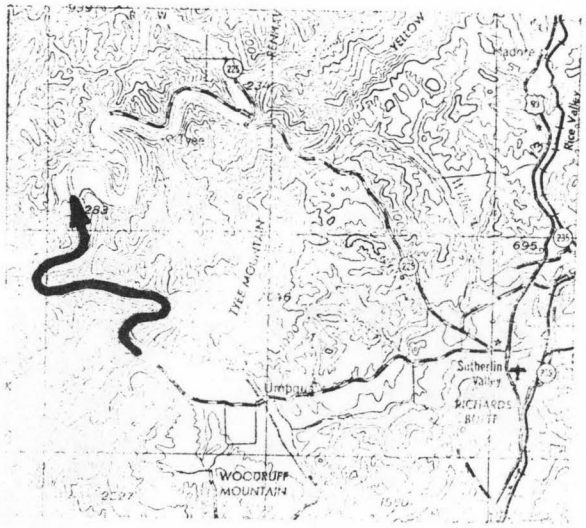
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 8002 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0012

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.14, T25S, R7W	
D. Latitude, Longitude	43°22'N,123°30'W	
E. Stream Name	Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	98.5 to 102.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

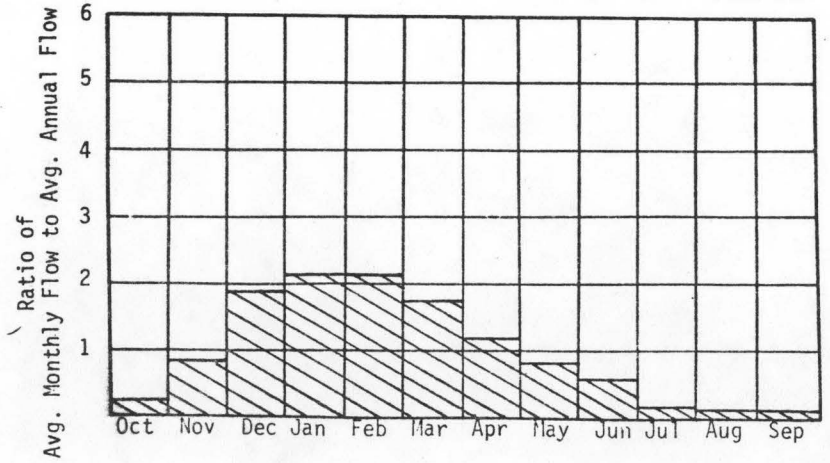
A. Upstream Elevation of Reach	310	Ft. MSL
B. Downstream Elevation of Reach	299	Ft. MSL
C. Total Available Head in Reach	11	Ft.
D. Average Slope in Reach	2.6	Ft./Mi.
E. Drainage Area above Reach Mouth	3397.2	Sq.Mi.
F. Inflow Classification	Regulated	

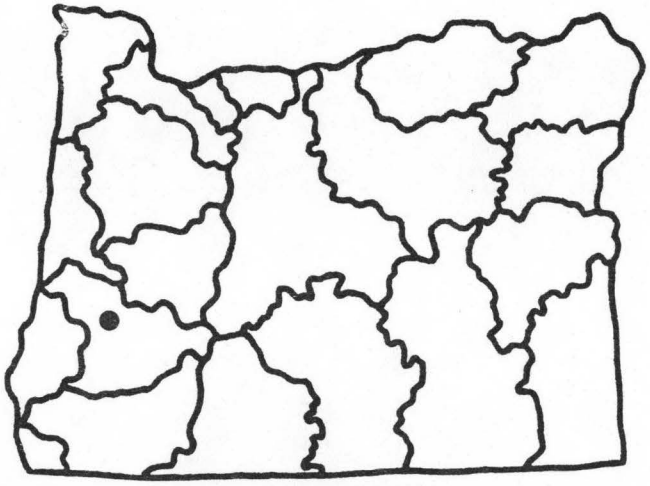
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1307.7	1.22	10.68	1.000
80	1868.5	1.74	14.69	.962
50	4615.4	4.30	29.27	.777
30	7992.1	7.45	40.30	.617
10	15793.0	14.72	53.04	.411

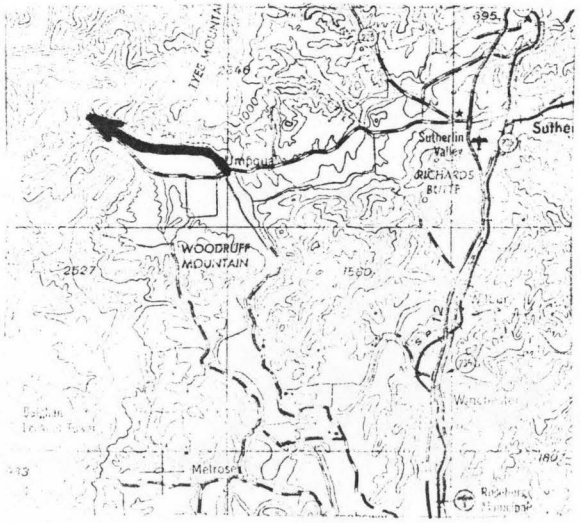
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 7840 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-030-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.34, T25S, R6W	
D. Latitude, Longitude	43°22'N,123°25'W	
E. Stream Name	Calapooya Creek	
F. Major Basin Name	Umpqua	
G. River Mile	0.0 to 11.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

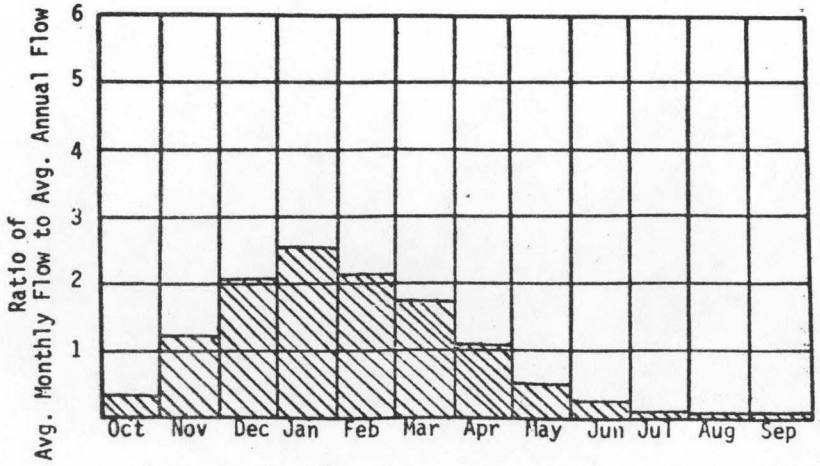
A. Upstream Elevation of Reach	379	Ft. MSL
B. Downstream Elevation of Reach	310	Ft. MSL
C. Total Available Head in Reach	69	Ft.
D. Average Slope in Reach	6.3	Ft./Mi.
E. Drainage Area above Reach Mouth	240.6	Sq.Mi.
F. Inflow Classification	Natural	

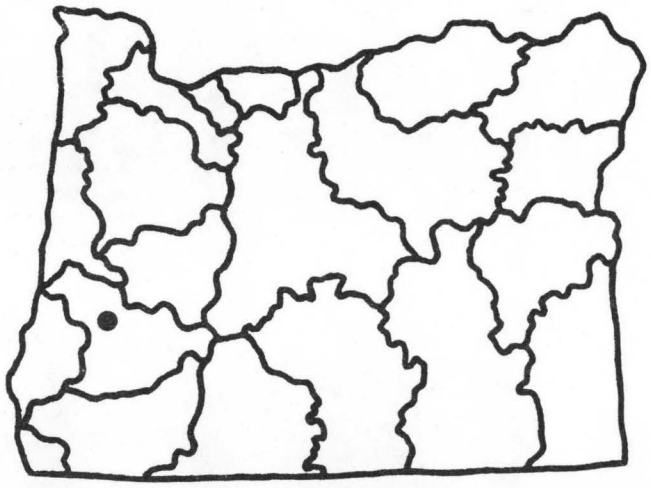
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.9	.09	.81	1.000
80	31.4	.18	1.51	.938
50	162.0	.95	5.86	.706
30	395.9	2.31	10.65	.525
10	945.3	5.53	16.28	.336

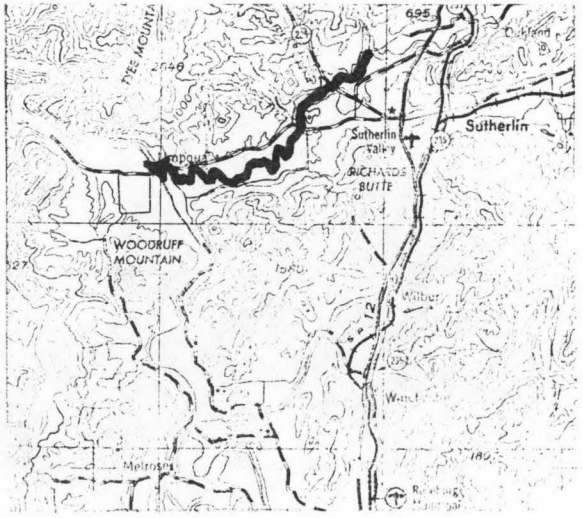
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 456 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-030-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.8, T25S, R5W
D.	Latitude, Longitude	43°25'N,123°20'W
E.	Stream Name	Calapooya Creek
F.	Major Basin Name	Umpqua
G.	River Mile	11.0 to 15.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

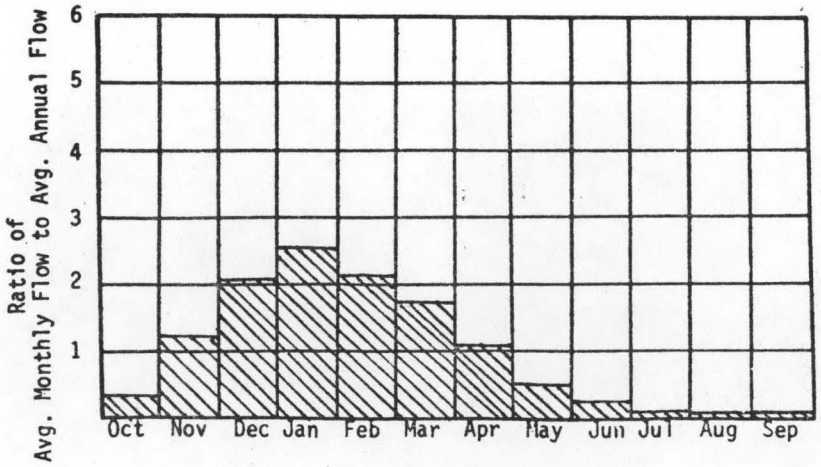
A.	Upstream Elevation of Reach	406	Ft. MSL
B.	Downstream Elevation of Reach	379	Ft. MSL
C.	Total Available Head in Reach	27	Ft.
D.	Average Slope in Reach	6.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	191.5	Sq.Mi.
F.	Inflow Classification	Natural	

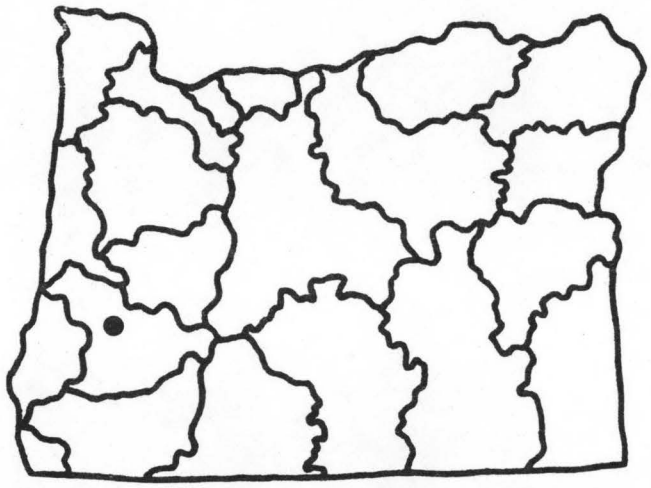
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.1	.03	.24	1.000
80	24.4	.06	.46	.937
50	131.6	.30	1.85	.703
30	328.5	.75	3.43	.521
10	793.7	1.82	5.30	.333

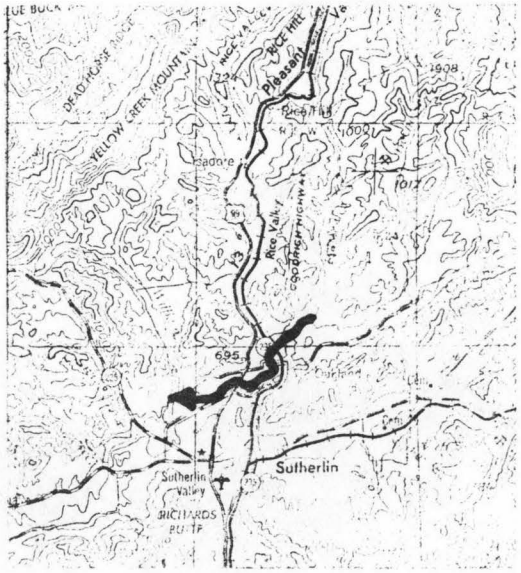
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 382 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-030-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.34, T24S, R5W
D.	Latitude, Longitude	43°26'N,123°17'W
E.	Stream Name	Calapooya Creek
F.	Major Basin Name	Umpqua
G.	River Mile	15.2 to 19.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

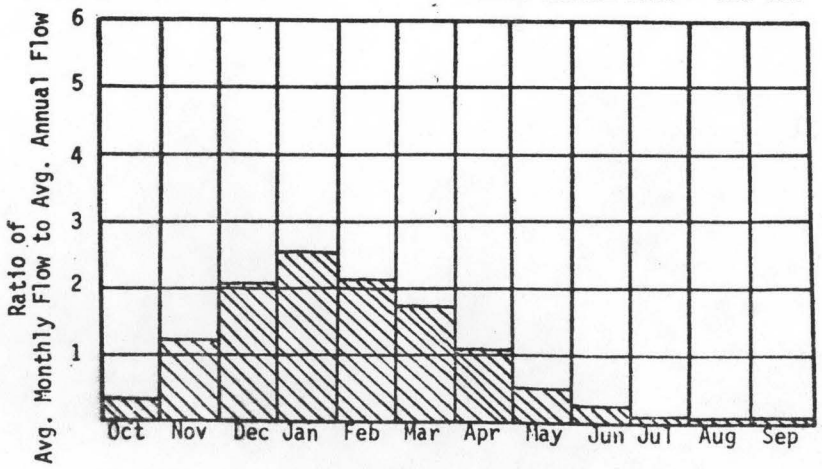
A.	Upstream Elevation of Reach	504	Ft. MSL
B.	Downstream Elevation of Reach	406	Ft. MSL
C.	Total Available Head in Reach	98	Ft.
D.	Average Slope in Reach	25.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	158.2	Sq.Mi.
F.	Inflow Classification	Natural	

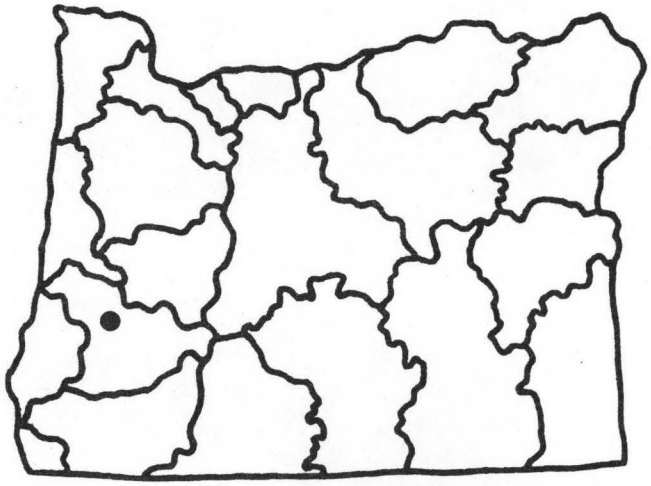
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.7	.07	.64	1.000
80	18.1	.15	1.23	.935
50	103.1	.86	5.25	.700
30	263.9	2.19	9.93	.517
10	646.5	5.37	15.50	.330

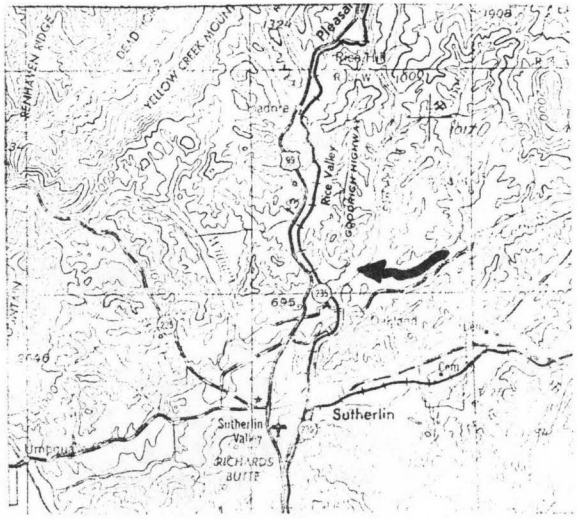
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 310 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-030-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.9, T25S, R4W
D.	Latitude, Longitude	43°24'N,123°11'W
E.	Stream Name	Calapooya Creek
F.	Major Basin Name	Umpqua
G.	River Mile	19.0 to 30.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

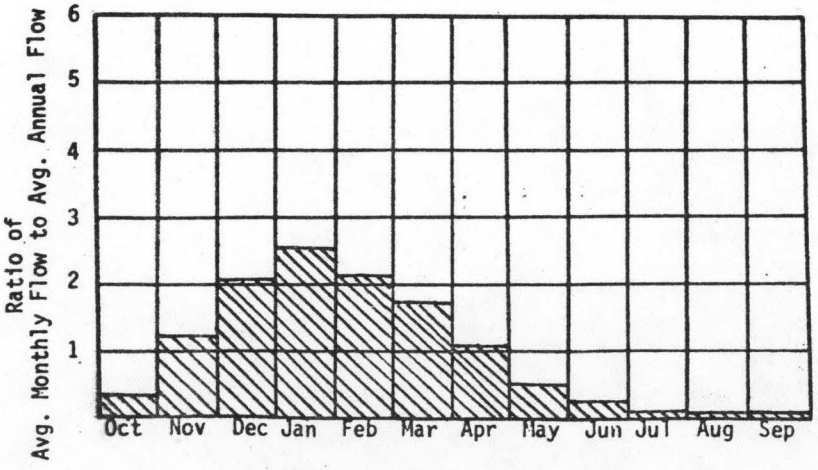
A.	Upstream Elevation of Reach	794	Ft. MSL
B.	Downstream Elevation of Reach	504	Ft. MSL
C.	Total Available Head in Reach	290	Ft.
D.	Average Slope in Reach	26.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	104.9	Sq.Mi.
F.	Inflow Classification	Natural	

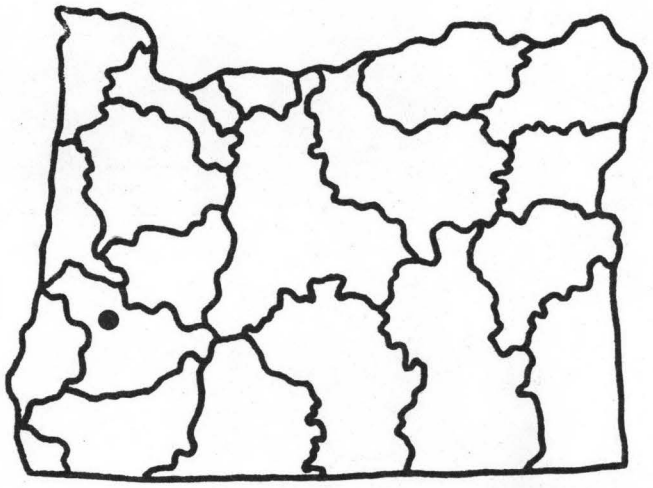
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.10	.88	1.000
80	8.9	.22	1.80	.932
50	57.8	1.42	8.63	.694
30	157.1	3.86	17.18	.508
10	397.5	9.77	27.54	.322

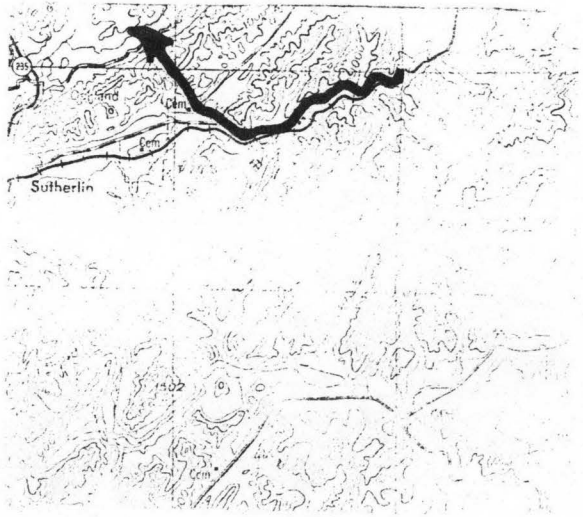
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 190 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-030-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.15, T24S, R3W
D.	Latitude, Longitude	43°28'N,123°02'W
E.	Stream Name	Calapooya Creek
F.	Major Basin Name	Umpqua
G.	River Mile	30.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

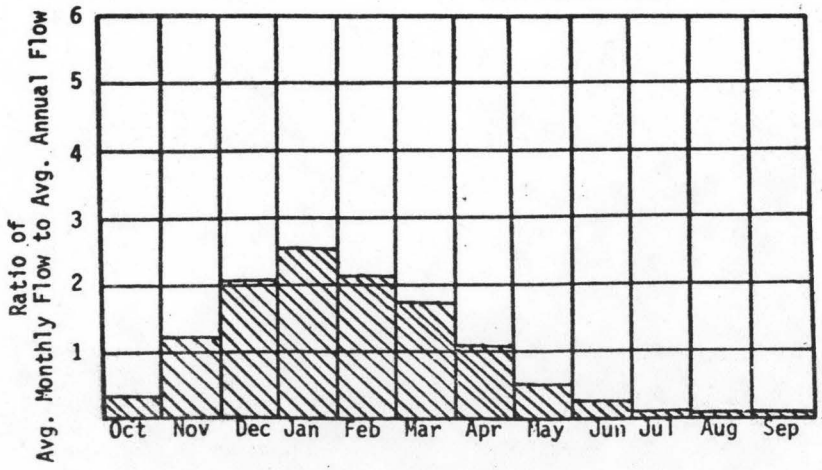
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	64.9	Sq.Mi.
F.	Inflow Classification	Natural	

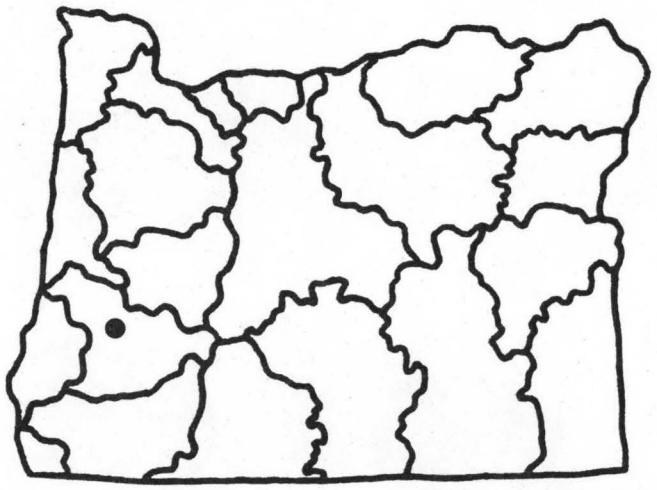
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.9	.02	.14	1.000
80	6.4	.04	.29	.931
50	44.2	.25	1.50	.691
30	123.4	.69	3.05	.504
10	317.1	1.77	4.95	.318

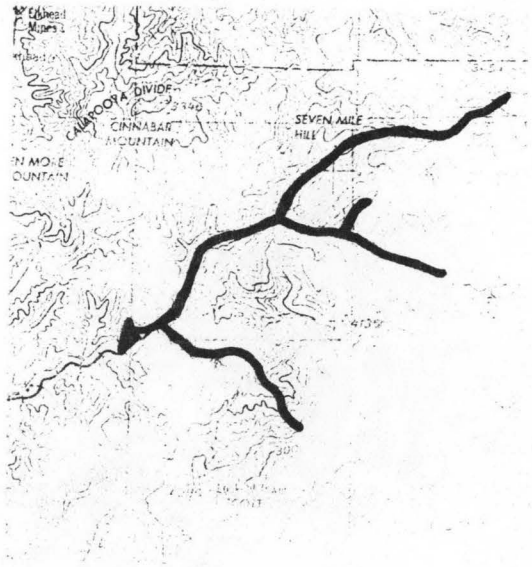
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 151 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-000-000-000-R0013

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.18, T26S, R6W	
D. Latitude, Longitude	43°18'N,123°28'W	
E. Stream Name	Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	102.7 to111.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

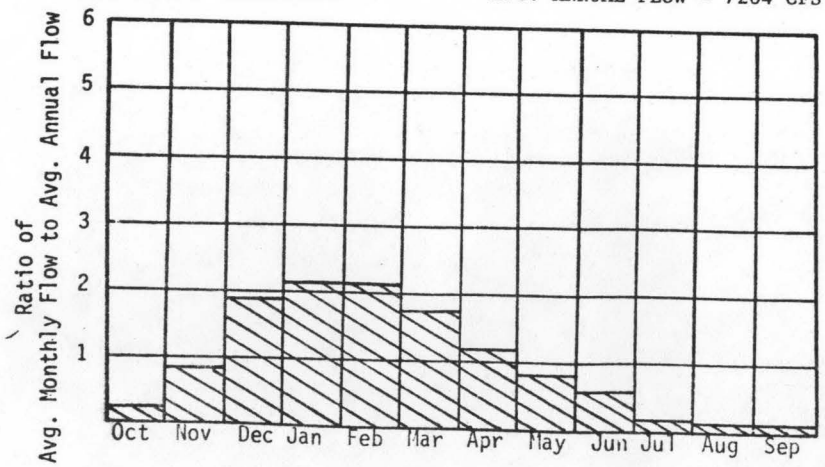
A. Upstream Elevation of Reach	360	Ft. MSL
B. Downstream Elevation of Reach	310	Ft. MSL
C. Total Available Head in Reach	50	Ft.
D. Average Slope in Reach	5.6	Ft./Mi.
E. Drainage Area above Reach Mouth	3139.6	Sq.Mi.
F. Inflow Classification	Regulated	

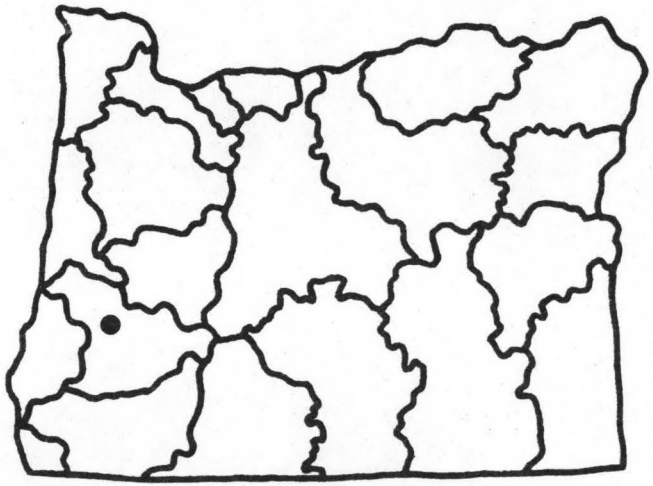
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1147.0	4.86	42.57	1.000
80	1654.9	7.01	59.07	.962
50	4178.1	17.70	119.95	.773
30	7309.2	30.97	166.44	.613
10	14525.1	61.55	220.01	.408

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 7204 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.27, T26S, R6W	
D. Latitude, Longitude	43°16'N,123°24'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	0.0 to 4.9	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

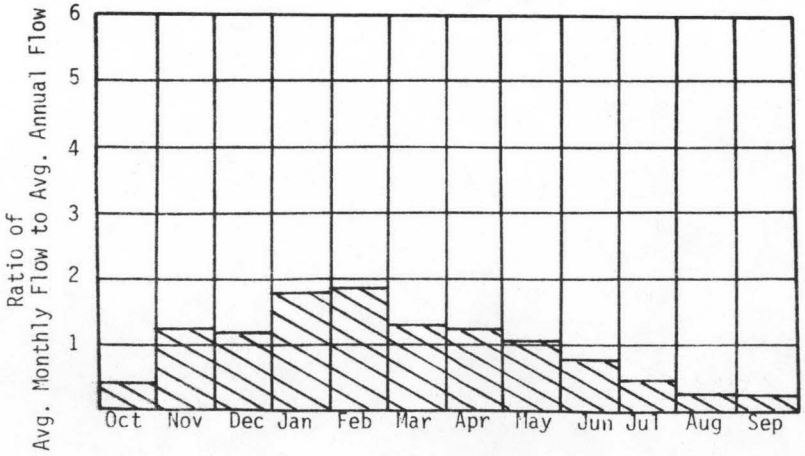
A. Upstream Elevation of Reach	403	Ft. MSL
B. Downstream Elevation of Reach	360	Ft. MSL
C. Total Available Head in Reach	43	Ft.
D. Average Slope in Reach	8.8	Ft./Mi.
E. Drainage Area above Reach Mouth	1347.9	Sq.Mi.
F. Inflow Classification	Regulated	

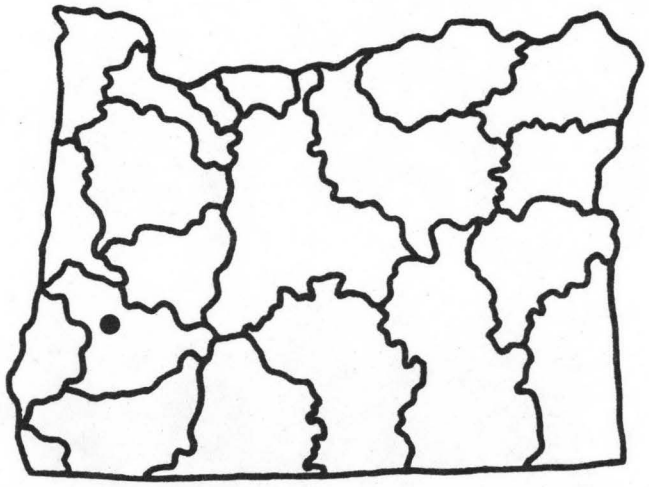
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	349.2	1.27	11.15	1.000
80	550.2	2.01	16.76	.954
50	1693.8	6.17	40.49	.749
30	3251.4	11.85	60.38	.582
10	6799.4	24.78	83.03	.383

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3346 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.22, T26S, R5W	
D. Latitude, Longitude	43°17'N,123°18'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	4.9 to 19.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

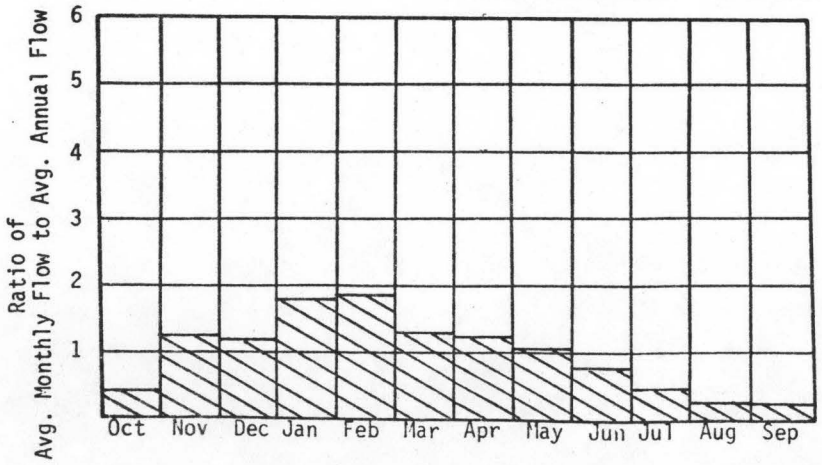
A. Upstream Elevation of Reach	560	Ft. MSL
B. Downstream Elevation of Reach	403	Ft. MSL
C. Total Available Head in Reach	157	Ft.
D. Average Slope in Reach	10.8	Ft./Mi.
E. Drainage Area above Reach Mouth	1292.6	Sq.Mi.
F. Inflow Classification	Regulated	

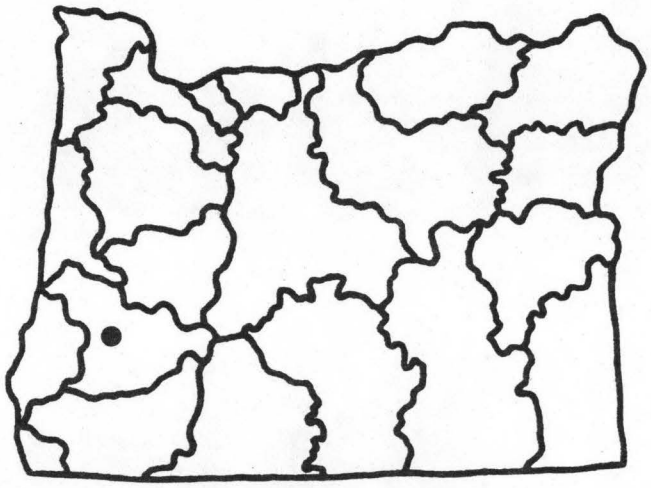
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	327.8	4.36	38.21	1.000
80	519.0	6.90	57.70	.954
50	1614.5	21.48	140.70	.748
30	3114.4	41.44	210.62	.580
10	6530.6	86.89	290.26	.381

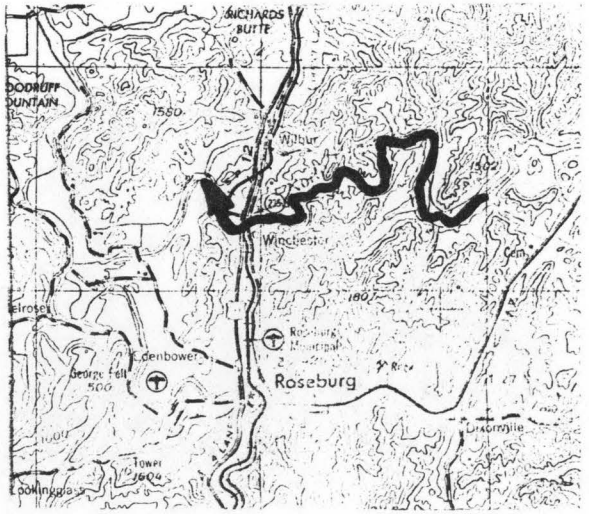
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3212 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.16, T26S, R4W	
D. Latitude, Longitude	43°18'N,123°11'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	19.5 to 29.1	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

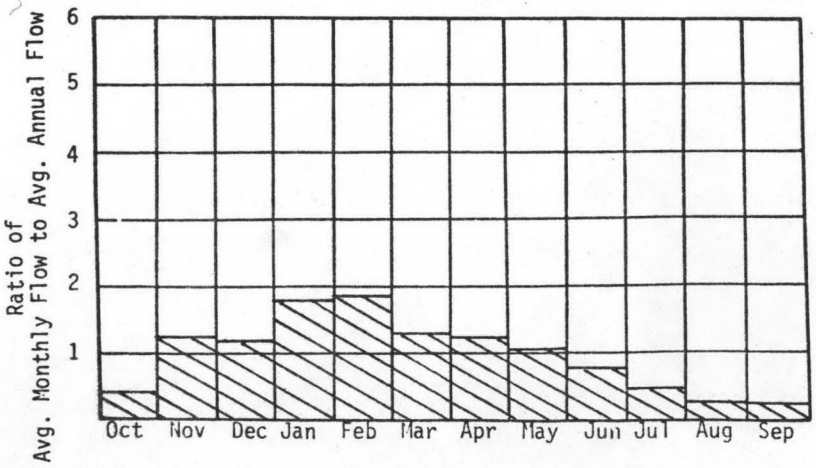
A. Upstream Elevation of Reach	660	Ft. MSL
B. Downstream Elevation of Reach	560	Ft. MSL
C. Total Available Head in Reach	100	Ft.
D. Average Slope in Reach	10.4	Ft./Mi.
E. Drainage Area above Reach Mouth	1237.2	Sq.Mi.
F. Inflow Classification	Regulated	

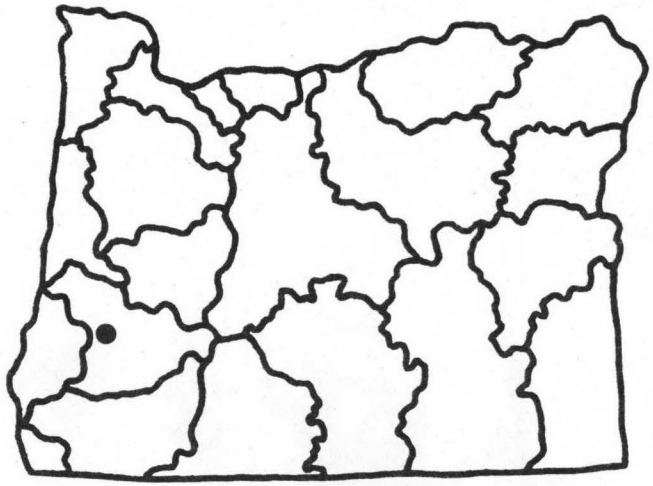
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	313.1	2.65	23.24	1.000
80	497.4	4.21	35.21	.954
50	1559.2	13.21	86.45	.747
30	3018.5	25.58	129.78	.579
10	6342.0	53.75	179.13	.380

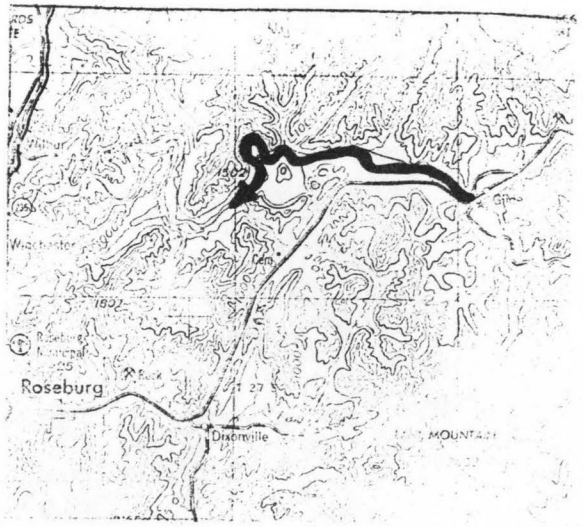
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3118 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-003-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.33, T26S, R3W
D.	Latitude, Longitude	43°16'N,123°04'W
E.	Stream Name	Little River
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 7.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

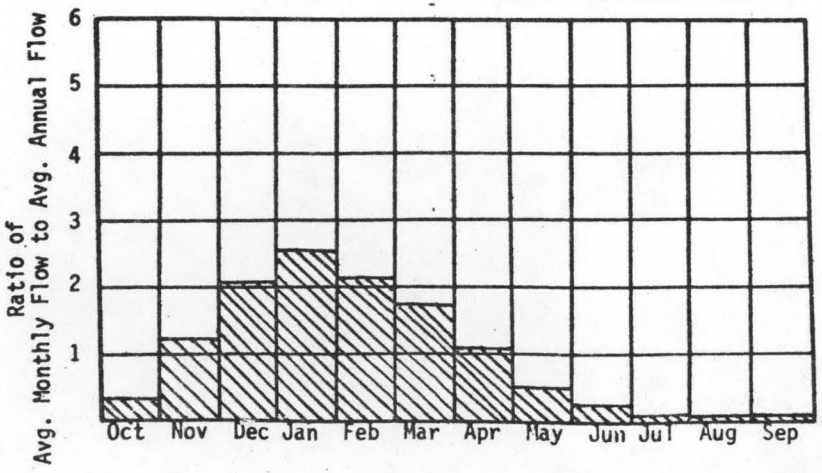
A.	Upstream Elevation of Reach	855	Ft. MSL
B.	Downstream Elevation of Reach	660	Ft. MSL
C.	Total Available Head in Reach	195	Ft.
D.	Average Slope in Reach	27.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	202.1	Sq.Mi.
F.	Inflow Classification	Natural	

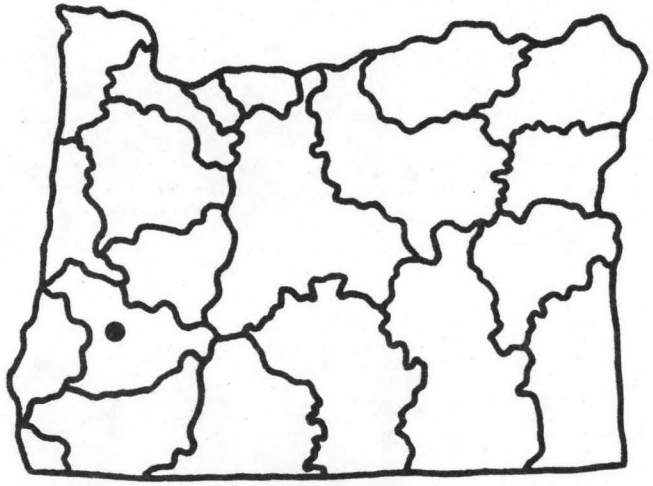
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	13.4	.22	1.94	1.000
80	26.9	.45	3.66	.937
50	142.8	2.36	14.56	.704
30	353.4	5.84	26.75	.523
10	849.9	14.05	41.13	.334

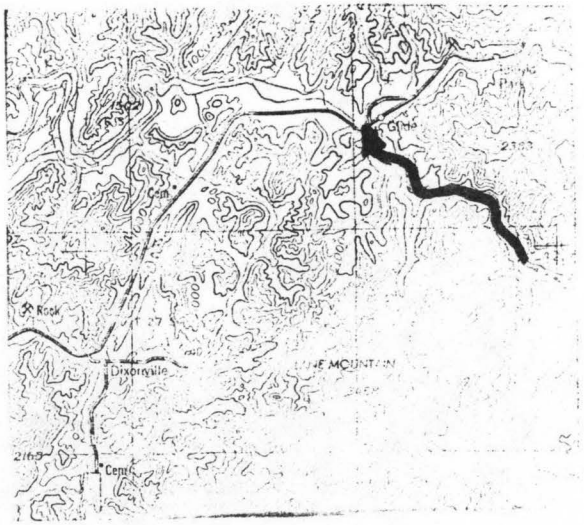
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 409 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-003-001-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.12, T28S, R3W
D.	Latitude, Longitude	43°09'N,123°00'W
E.	Stream Name	Cavitt Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

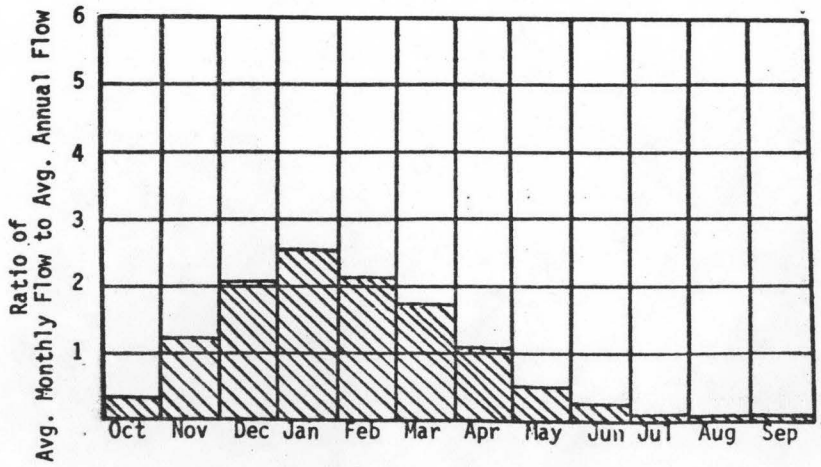
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	57.1	Sq.Mi.
F.	Inflow Classification	Natural	

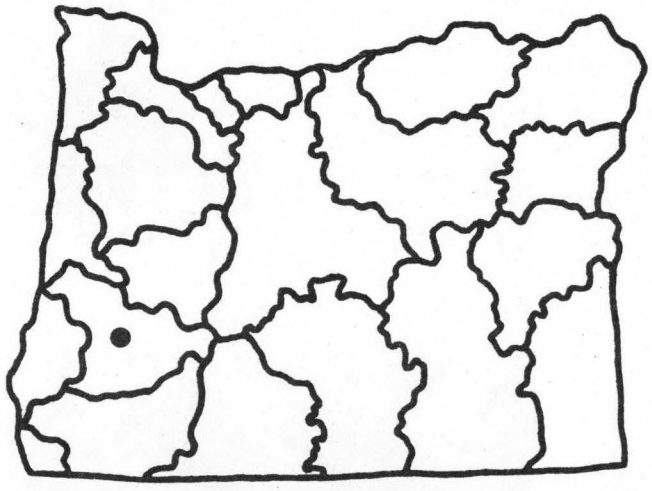
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.8	.01	.09	1.000
80	4.2	.02	.19	.929
50	31.1	.17	1.05	.688
30	89.9	.50	2.20	.499
10	235.7	1.32	3.63	.314

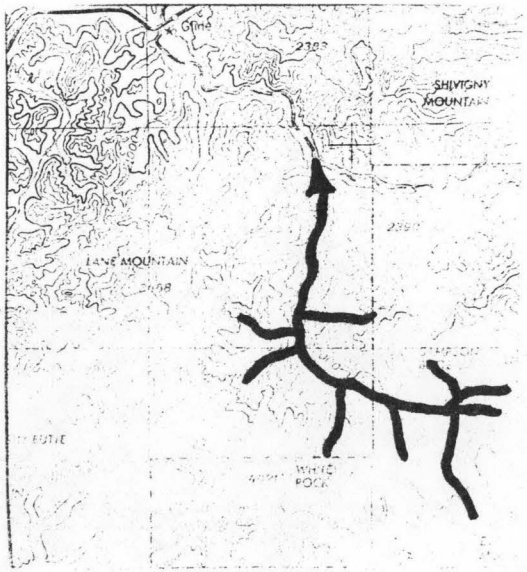
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-003-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.7, T27S, R2W	
D. Latitude, Longitude	43°14'N.123°00'W	
E. Stream Name	Little River	
F. Major Basin Name	Umpqua	
G. River Mile	7.2 to 11.1	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

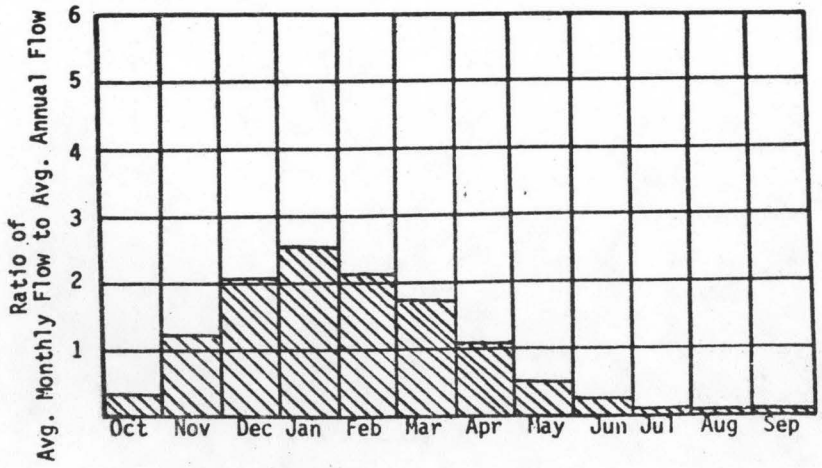
A. Upstream Elevation of Reach	1040	Ft. MSL
B. Downstream Elevation of Reach	855	Ft. MSL
C. Total Available Head in Reach	185	Ft.
D. Average Slope in Reach	474	Ft./Mi.
E. Drainage Area above Reach Mouth	114.7	Sq.Mi.
F. Inflow Classification	Natural	

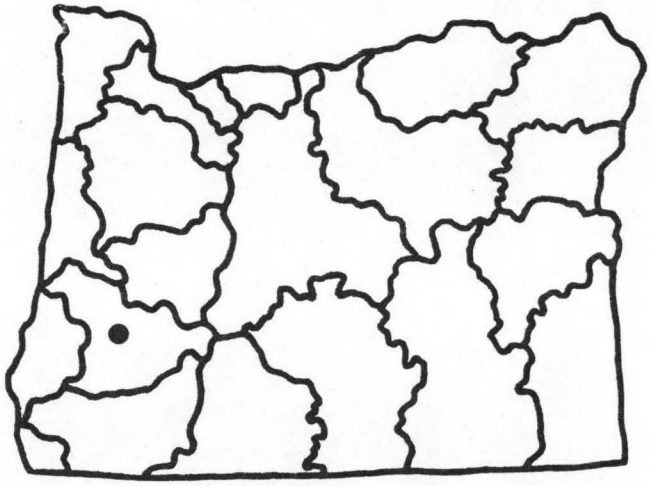
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.3	.10	.86	1.000
80	13.3	.21	1.71	.934
50	80.1	1.26	7.67	.697
30	210.4	3.30	14.83	.513
10	522.8	8.20	23.41	.326

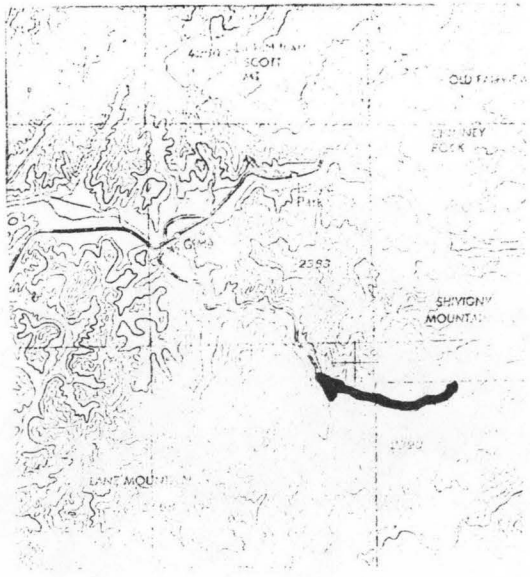
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 250 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-003-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.2, T27S, R2W	
D. Latitude, Longitude	43°15'N.122°54'W	
E. Stream Name	Little River	
F. Major Basin Name	Umpqua	
G. River Mile	11.1 to 19.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

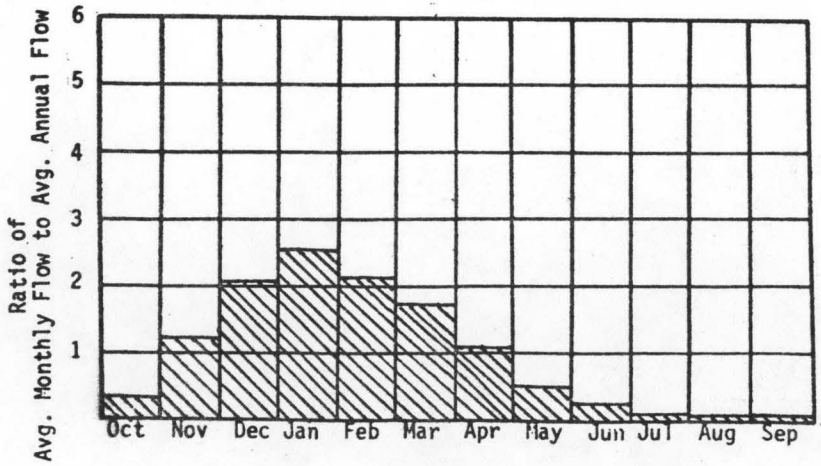
A. Upstream Elevation of Reach	1809	Ft. MSL
B. Downstream Elevation of Reach	1040	Ft. MSL
C. Total Available Head in Reach	769	Ft.
D. Average Slope in Reach	97.3	Ft./Mi.
E. Drainage Area above Reach Mouth	93.4	Sq.Mi.
F. Inflow Classification	Natural	

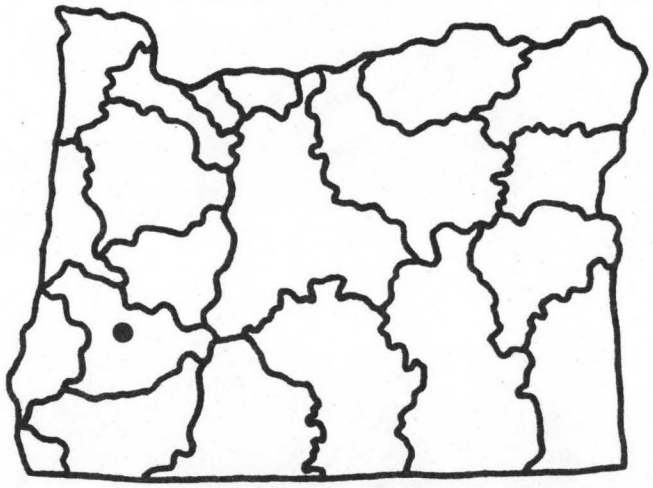
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.4	.22	1.96	1.000
80	7.6	.50	4.05	.931
50	50.7	3.30	20.03	.692
30	139.6	9.09	40.33	.506
10	355.8	23.19	65.02	.320

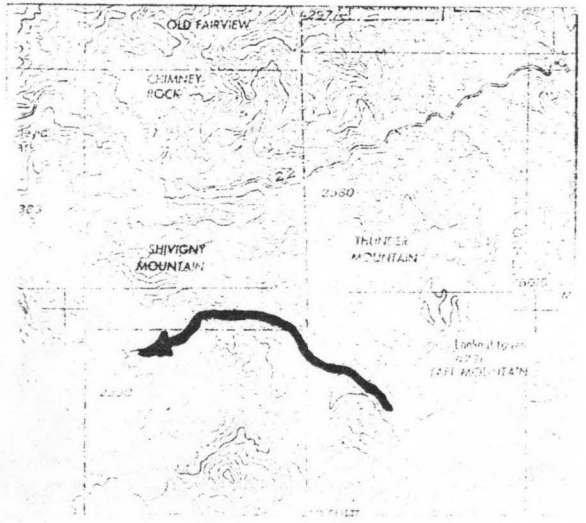
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 170 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-003-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.18, T27S, R1E
D.	Latitude, Longitude	43°13'N,122°45'W
E.	Stream Name	Little River
F.	Major Basin Name	Umpqua
G.	River Mile	19.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

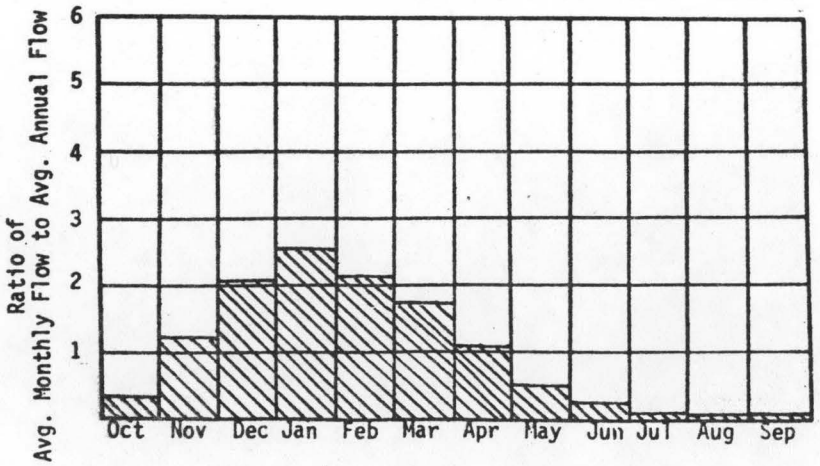
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	53.1	Sq.Mi.
F.	Inflow Classification	Natural	

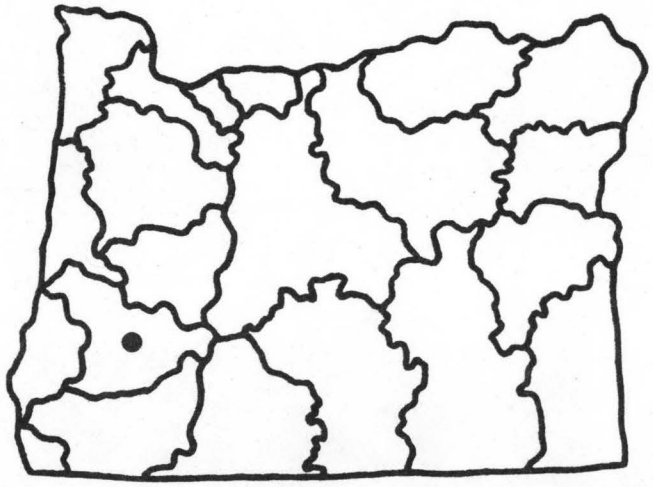
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.1	.01	.10	1.000
80	4.8	.03	.22	.929
50	34.6	.19	1.17	.689
30	99.1	.55	2.43	.501
10	258.3	1.44	3.99	.315

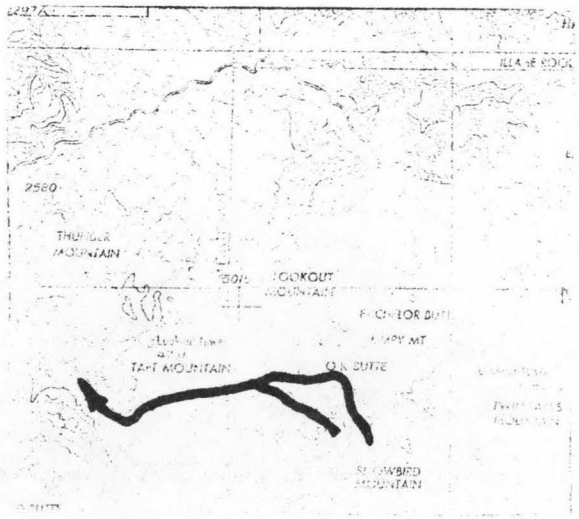
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 123 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.16, T26S, R3W	
D. Latitude, Longitude	43°18'N,123°04'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	29.1 to 35.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

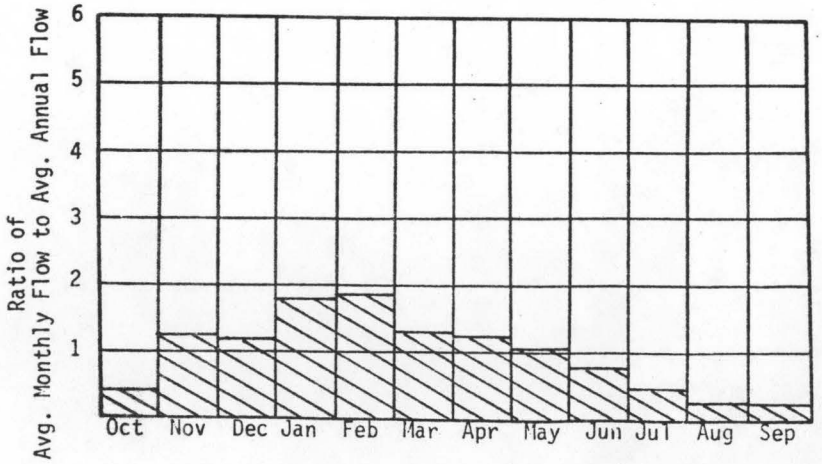
A. Upstream Elevation of Reach	750	Ft. MSL
B. Downstream Elevation of Reach	660	Ft. MSL
C. Total Available Head in Reach	90	Ft.
D. Average Slope in Reach	13.6	Ft./Mi.
E. Drainage Area above Reach Mouth	1003.4	Sq.Mi.
F. Inflow Classification	Regulated	

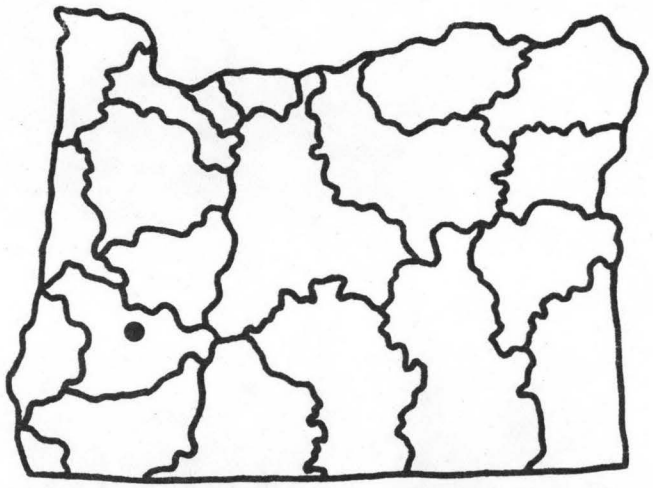
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	230.9	1.76	15.42	1.000
80	375.1	2.86	23.85	.952
50	1237.1	9.44	61.29	.742
30	2452.6	18.71	93.78	.572
10	5220.8	39.82	130.77	.375

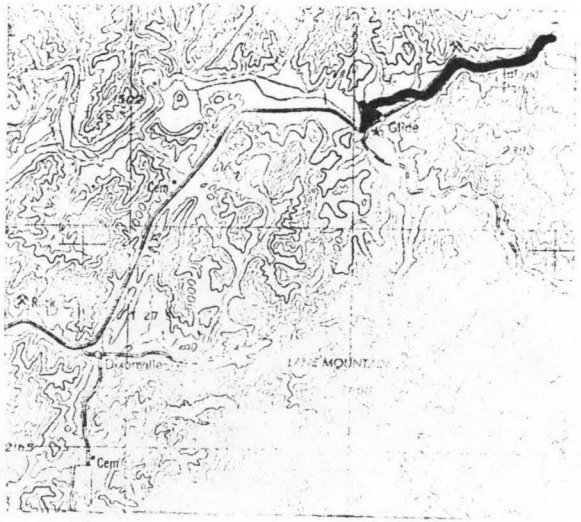
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2562 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-1e0-008-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.17, T25S, R2W	
D. Latitude, Longitude	43°22'N,122°57'W	
E. Stream Name	Rock Creek	
F. Major Basin Name	Umpqua	
G. River Mile	0.0 to 8.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

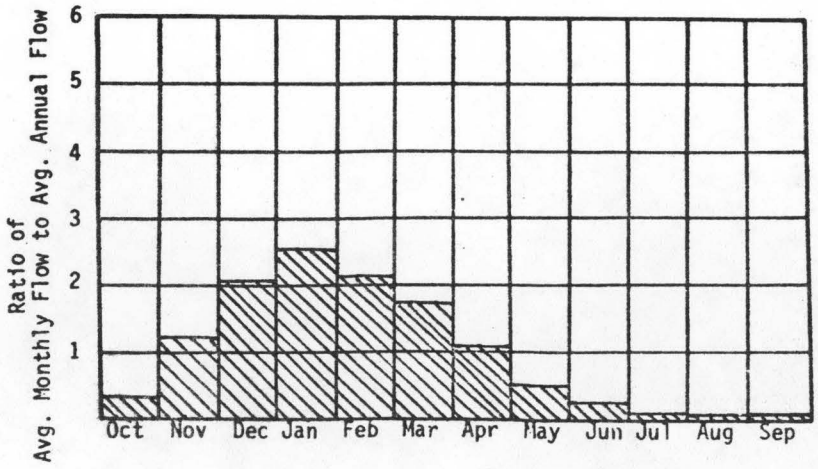
A. Upstream Elevation of Reach	1170	Ft. MSL
B. Downstream Elevation of Reach	750	Ft. MSL
C. Total Available Head in Reach	420	Ft.
D. Average Slope in Reach	49.4	Ft./Mi.
E. Drainage Area above Reach Mouth	97.1	Sq.Mi.
F. Inflow Classification	Natural	

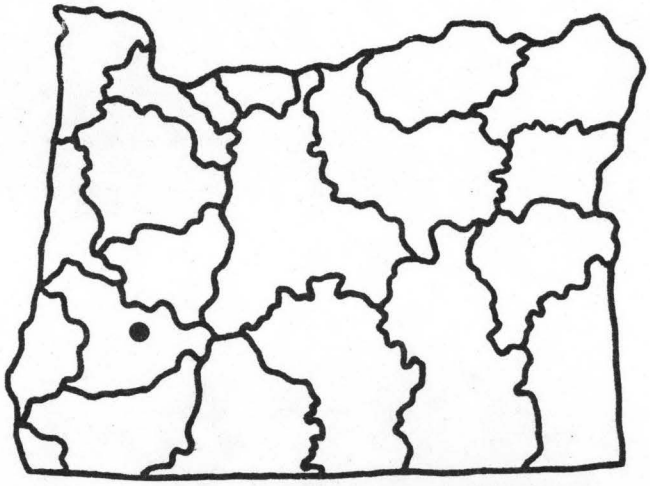
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.15	1.29	1.000
80	9.0	.32	2.63	.932
50	58.4	2.08	12.62	.694
30	158.4	5.64	25.10	.508
10	400.6	14.26	40.20	.322

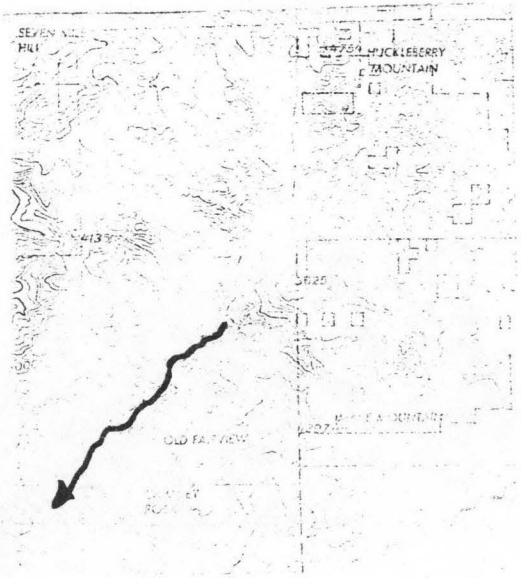
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 192 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-008-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.35, T24S, R2W
D.	Latitude, Longitude	43°28'N,122°54'W
E.	Stream Name	Rock Creek
F.	Major Basin Name	Umpqua
G.	River Mile	8.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

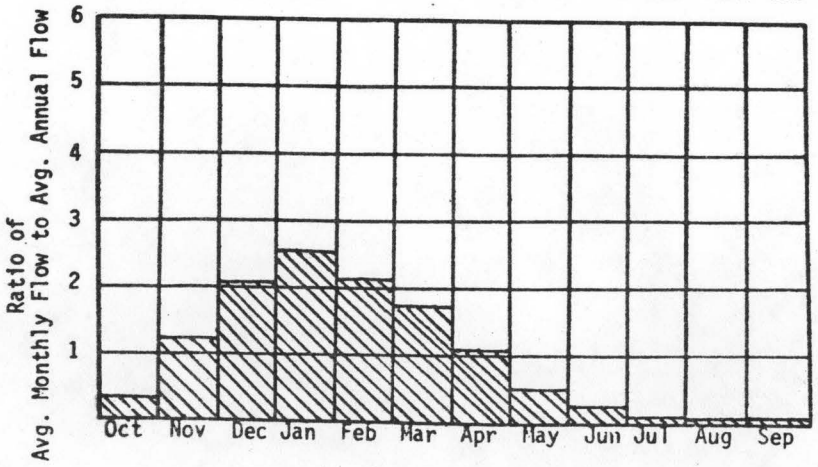
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	61	Sq.Mi.
F.	Inflow Classification	Natural	

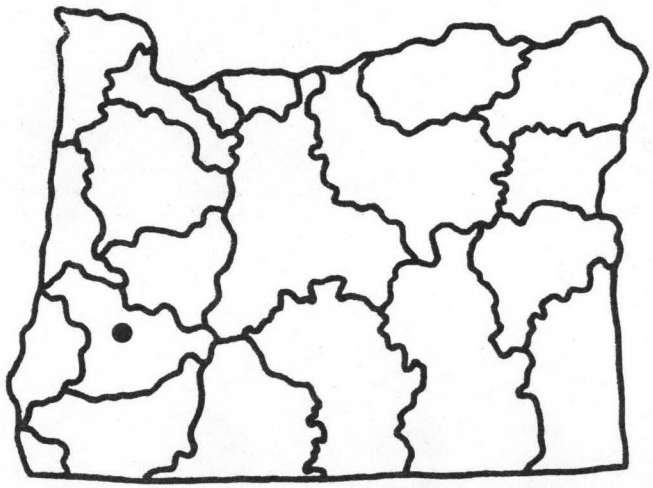
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.7	.02	.13	1.000
80	6.2	.03	.28	.930
50	42.8	.24	1.45	.691
30	119.9	.67	2.96	.504
10	308.6	1.73	4.81	.318

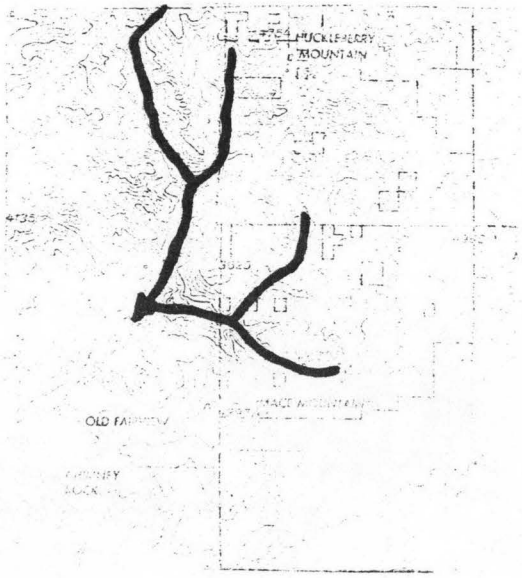
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 147 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.21, T26S, R2W
D.	Latitude, Longitude	43°18'N,122°56'W
E.	Stream Name	North Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	35.7 to 45.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

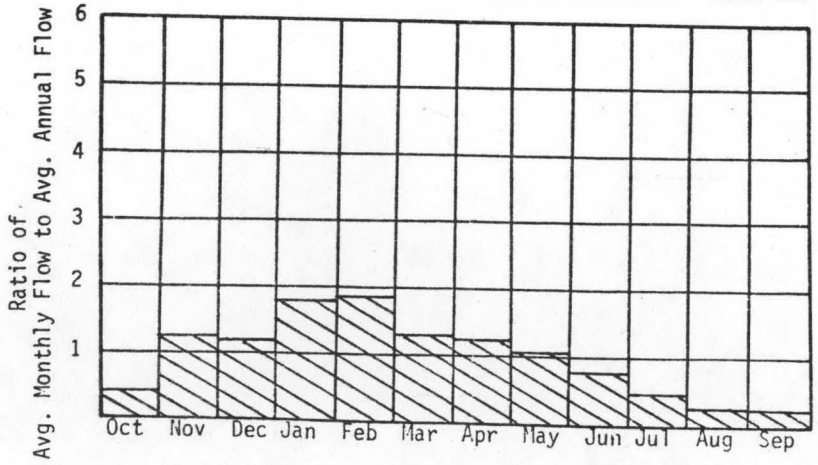
A.	Upstream Elevation of Reach	933	Ft. MSL
B.	Downstream Elevation of Reach	750	Ft. MSL
C.	Total Available Head in Reach	183	Ft.
D.	Average Slope in Reach	18.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	882.0	Sq.Mi.
F.	Inflow Classification	Regulated	

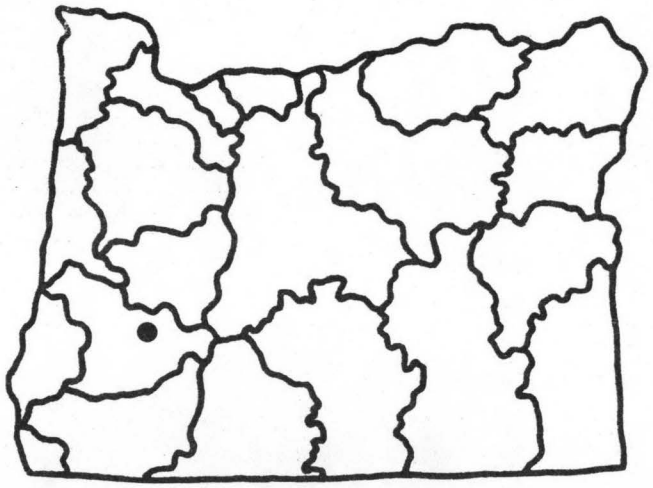
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	184.0	2.85	24.99	1.000
80	304.0	4.71	39.26	.951
50	1041.2	16.15	104.36	.738
30	2101.3	32.59	161.97	.567
10	4516.7	70.05	227.60	.371

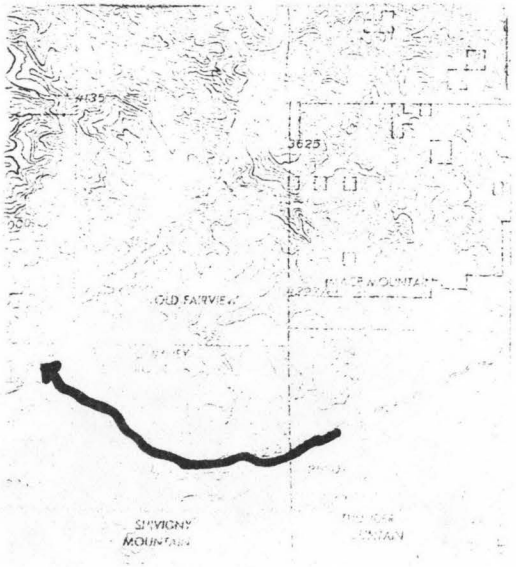
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2212 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0006

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.2, T26S, R1W	
D. Latitude, Longitude	43°20'N,122°47'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	45.8 to 53.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

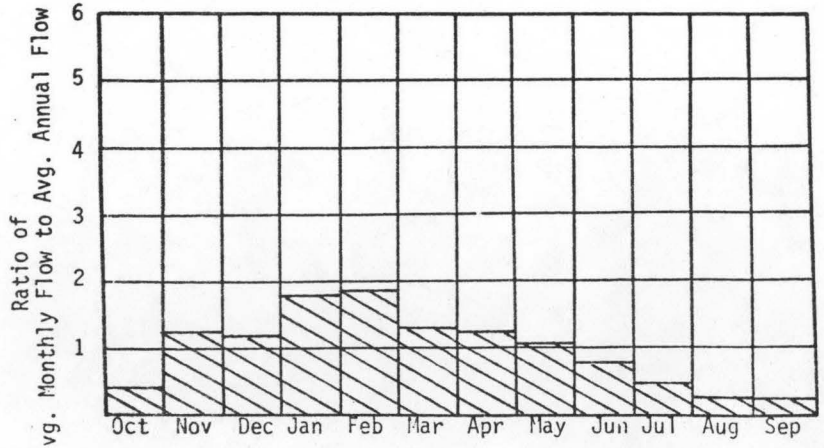
A. Upstream Elevation of Reach	1125	Ft. MSL
B. Downstream Elevation of Reach	933	Ft. MSL
C. Total Available Head in Reach	192	Ft.
D. Average Slope in Reach	26.7	Ft./Mi.
E. Drainage Area above Reach Mouth	838.9	Sq.Mi.
F. Inflow Classification	Regulated	

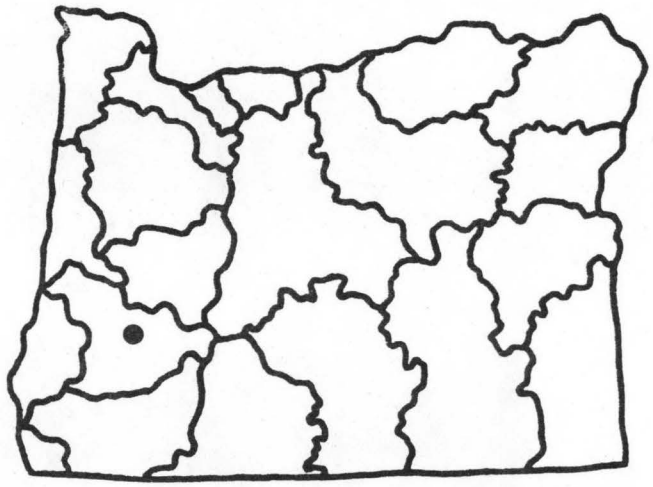
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	171.0	2.78	24.37	1.000
80	284.0	4.62	38.47	.950
50	985.0	16.03	103.41	.737
30	1999.1	32.53	161.23	.566
10	4310.6	70.14	227.12	.370

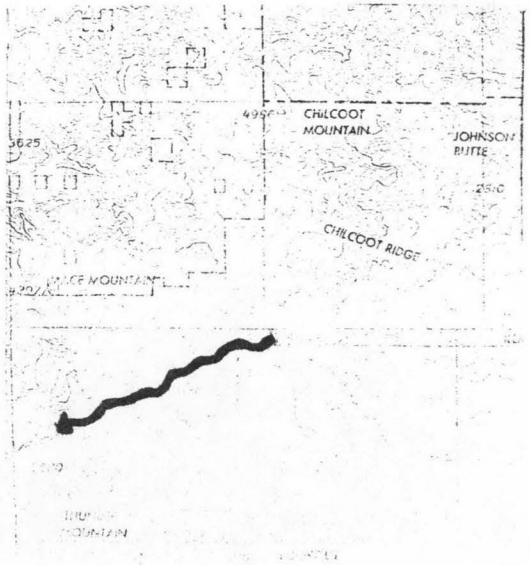
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2110 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-012-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.5, T25½S, R1E
D.	Latitude, Longitude	43°21'N,122°44'W
E.	Stream Name	Steamboat Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 0.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

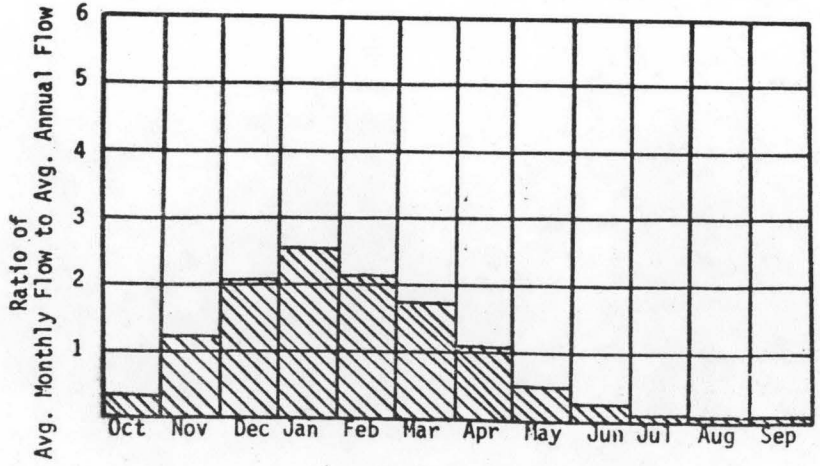
A.	Upstream Elevation of Reach	1131	Ft. MSL
B.	Downstream Elevation of Reach	1125	Ft. MSL
C.	Total Available Head in Reach	6	Ft.
D.	Average Slope in Reach	12.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	225.9	Sq.Mi.
F.	Inflow Classification	Natural	

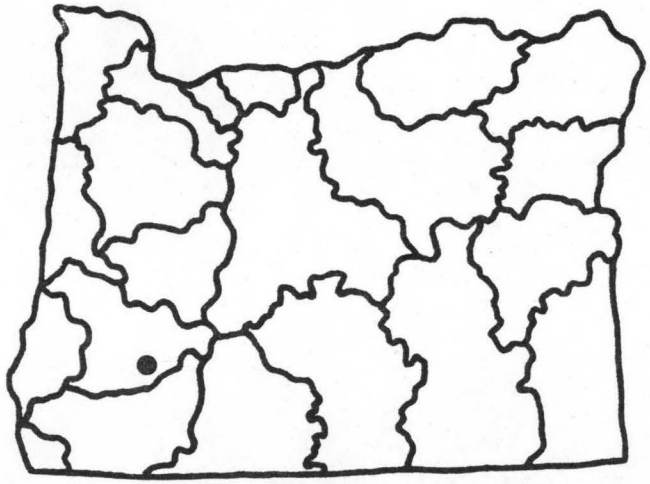
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	22.8	.01	.10	1.000
80	44.0	.02	.18	.940
50	213.4	.11	.67	.710
30	506.8	.26	1.20	.530
10	1191.5	.61	1.81	.341

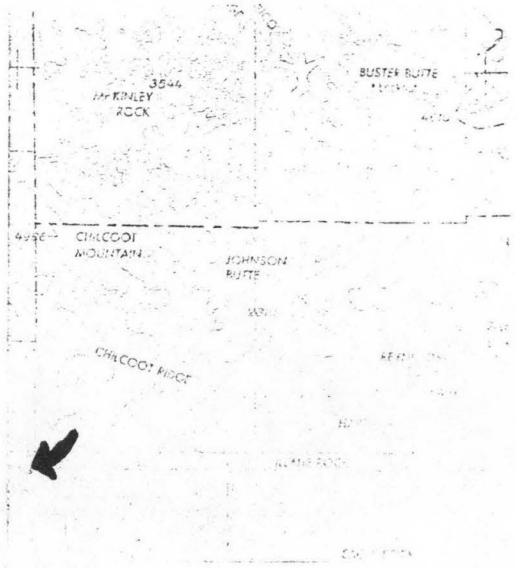
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 576 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-012-002-R0001

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.36, T25S, R1W	
D. Latitude, Longitude	43°22'N,122°45'W	
E. Stream Name	Canton Creek	
F. Major Basin Name	Umpqua	
G. River Mile	0.0 to 2.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

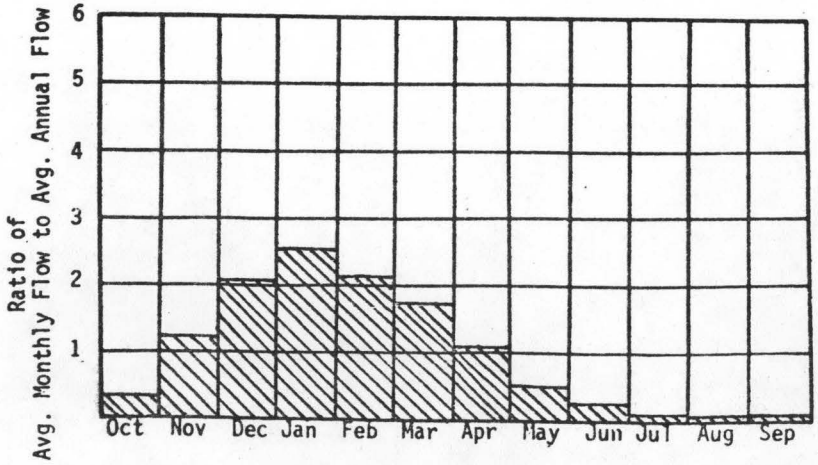
A. Upstream Elevation of Reach	1370	Ft. MSL
B. Downstream Elevation of Reach	1131	Ft. MSL
C. Total Available Head in Reach	239	Ft.
D. Average Slope in Reach	88.5	Ft./Mi.
E. Drainage Area above Reach Mouth	64.4	Sq.Mi.
F. Inflow Classification	Natural	

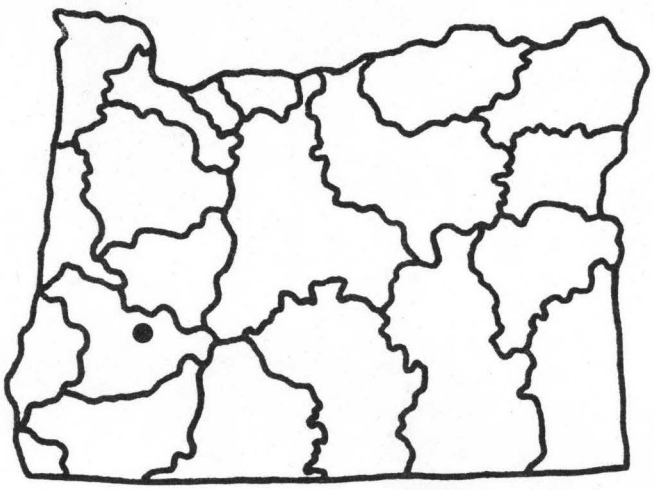
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.9	.06	.51	1.000
80	6.4	.13	1.06	.931
50	44.1	.89	5.40	.691
30	123.1	2.49	11.01	.504
10	316.4	6.41	17.87	.318

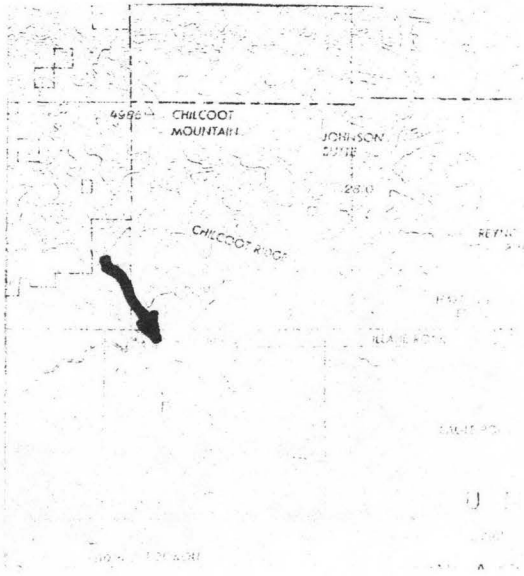
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 150 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-012-002-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.35, T24S, R1W
D.	Latitude, Longitude	43°27'N,122°46'W
E.	Stream Name	Canton Creek
F.	Major Basin Name	Umpqua
G.	River Mile	2.7 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

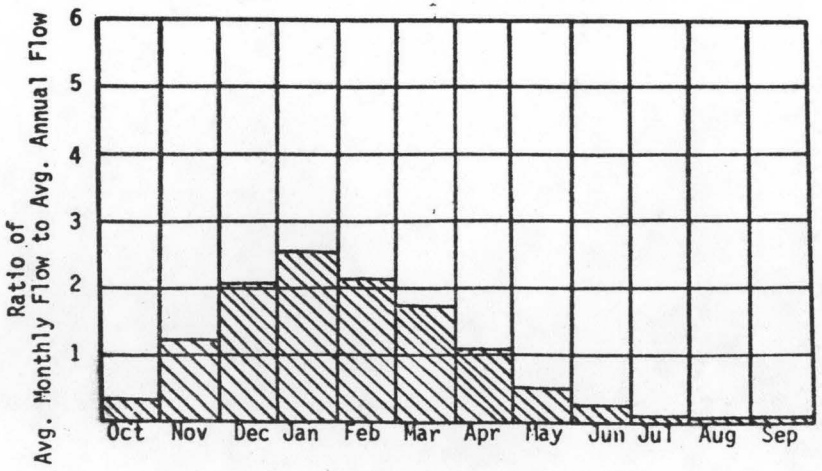
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	55.8	Sq.Mi.
F.	Inflow Classification	Natural	

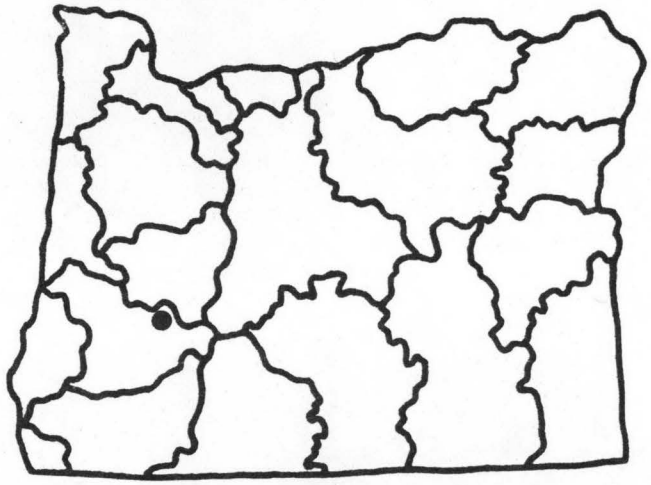
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.4	.01	.12	1.000
80	5.5	.03	.25	.930
50	38.6	.22	1.31	.690
30	109.4	.61	2.69	.502
10	283.2	1.58	4.40	.317

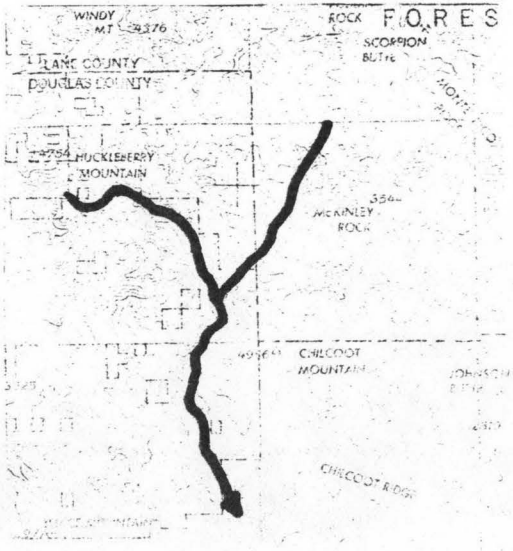
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 135 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-012-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.33, T25S, R1E
D.	Latitude, Longitude	43°21'N,127°42'W
E.	Stream Name	Steamboat Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.5 to 5.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

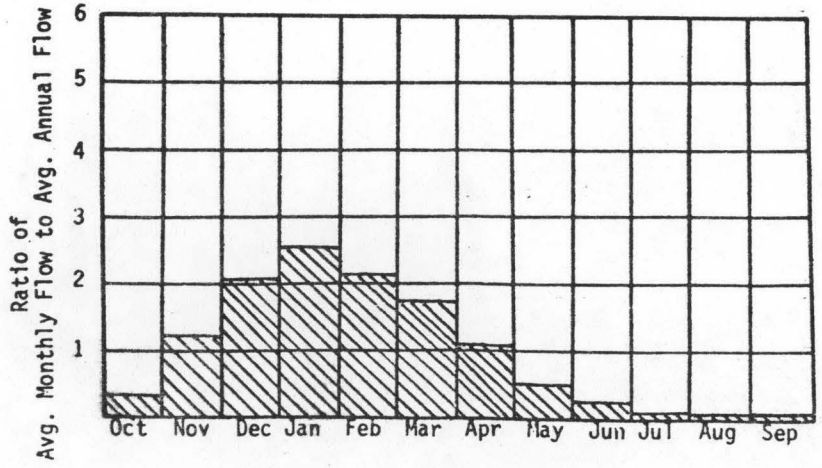
A.	Upstream Elevation of Reach	1360	Ft. MSL
B.	Downstream Elevation of Reach	1131	Ft. MSL
C.	Total Available Head in Reach	229	Ft.
D.	Average Slope in Reach	44.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	161.3	Sq.Mi.
F.	Inflow Classification	Natural	

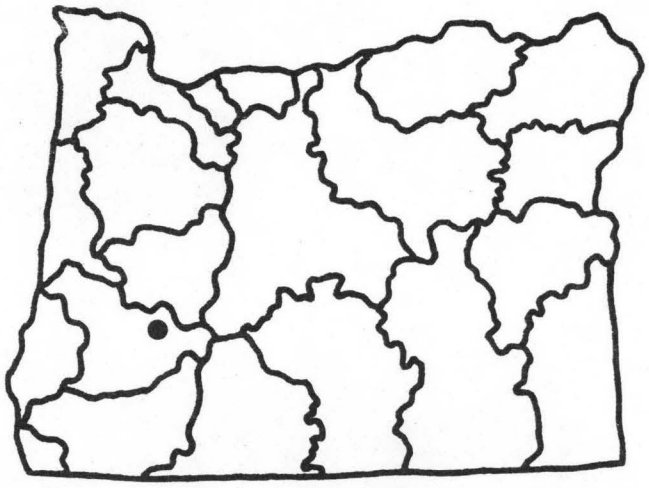
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.5	.24	2.13	1.000
80	25.2	.49	4.02	.937
50	135.3	2.62	16.18	.704
30	336.7	6.53	29.87	.522
10	812.1	15.76	46.04	.333

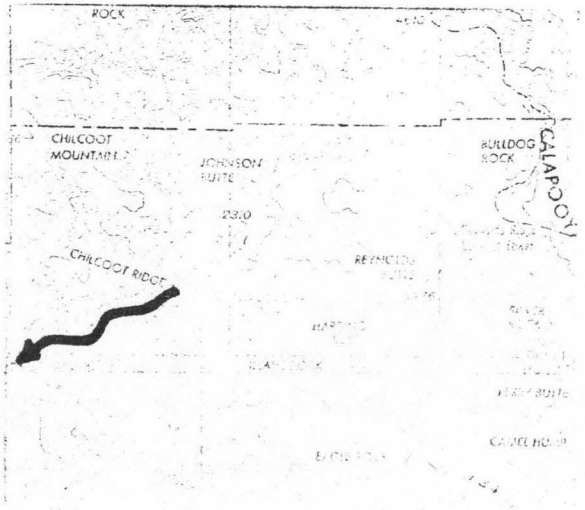
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 390 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-012-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.19, T25S, R2E	
D. Latitude, Longitude	43°23'N,122°37'W	
E. Stream Name	Steamboat Creek	
F. Major Basin Name	Umpqua	
G. River Mile	5.6 to 11.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

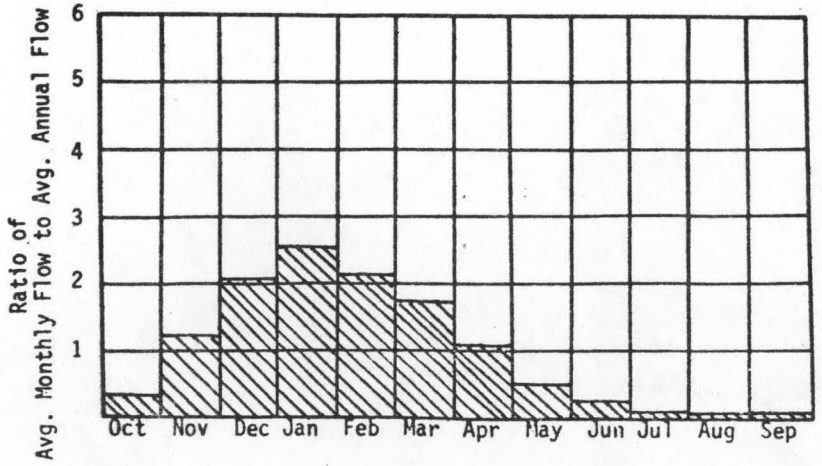
A. Upstream Elevation of Reach	1600	Ft. MSL
B. Downstream Elevation of Reach	1360	Ft. MSL
C. Total Available Head in Reach	240	Ft.
D. Average Slope in Reach	444	Ft./Mi.
E. Drainage Area above Reach Mouth	136.0	Sq.Mi.
F. Inflow Classification	Natural	

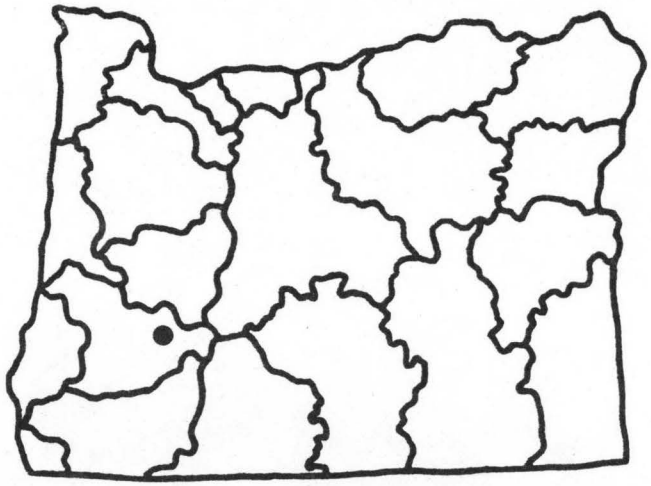
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.3	.17	1.47	1.000
80	17.2	.35	2.86	.935
50	98.7	2.01	12.30	.700
30	253.8	5.16	23.35	.517
10	623.1	12.67	36.51	.329

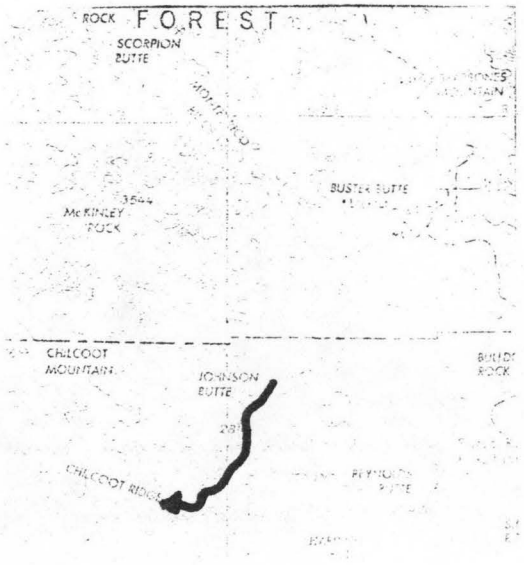
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 299 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-012-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Lane	
C. Township, Range	Sec.32, T24S, R2E	
D. Latitude, Longitude	43°27'N,122°36'W	
E. Stream Name	Steamboat Creek	
F. Major Basin Name	Umpqua	
G. River Mile	11.0 to 17.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

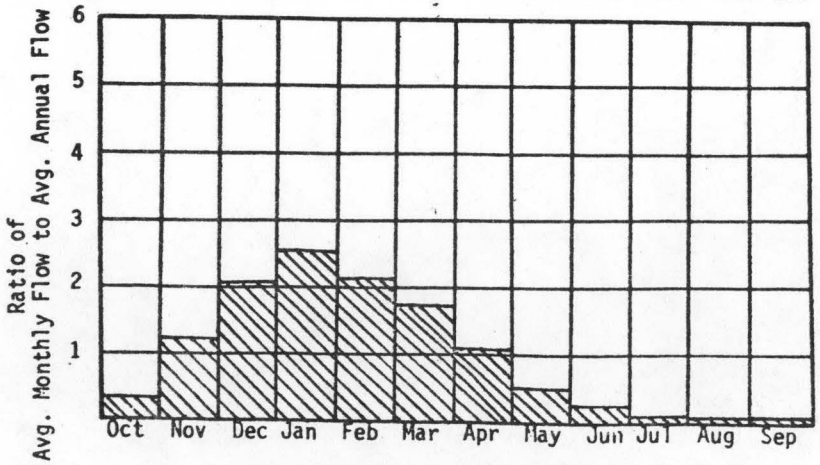
A. Upstream Elevation of Reach	1954	Ft. MSL
B. Downstream Elevation of Reach	1600	Ft. MSL
C. Total Available Head in Reach	354	Ft.
D. Average Slope in Reach	59	Ft./Mi.
E. Drainage Area above Reach Mouth	73.6	Sq.Mi.
F. Inflow Classification	Natural	

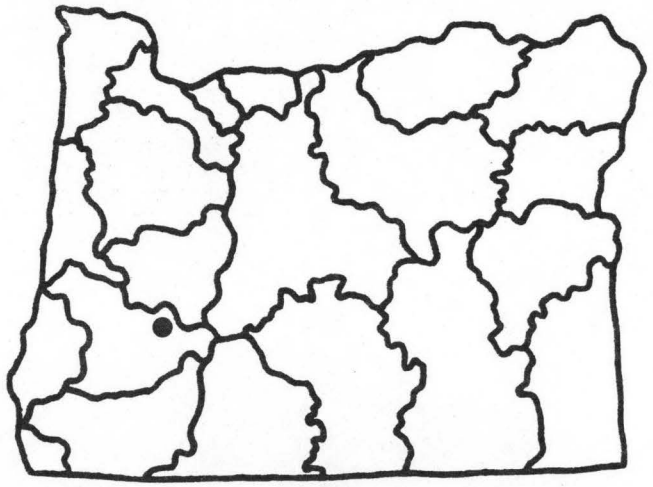
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.9	.09	.77	1.000
80	6.6	.20	1.60	.931
50	44.8	1.34	8.14	.691
30	125.0	3.75	16.56	.504
10	320.9	9.63	26.86	.319

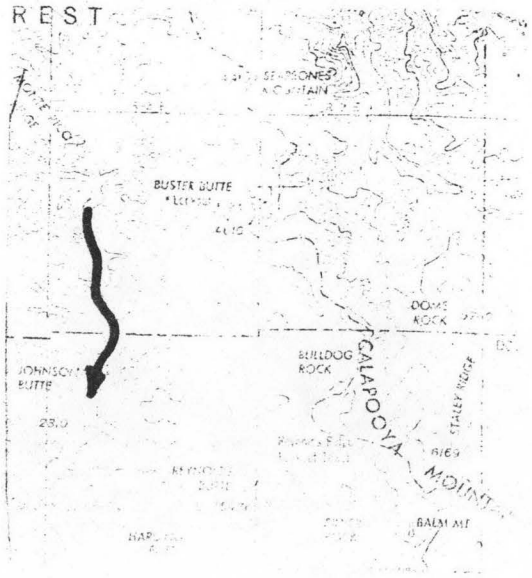
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 153 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-012-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.3, T24S, R2E
D.	Latitude, Longitude	43°31'N,122°33'W
E.	Stream Name	Steamboat Creek
F.	Major Basin Name	Umpqua
G.	River Mile	17.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

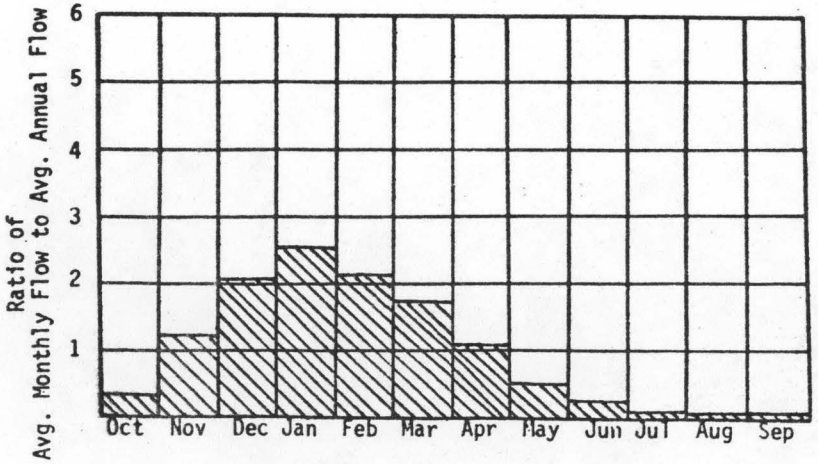
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	51.6	Sq.Mi.
F.	Inflow Classification	Natural	

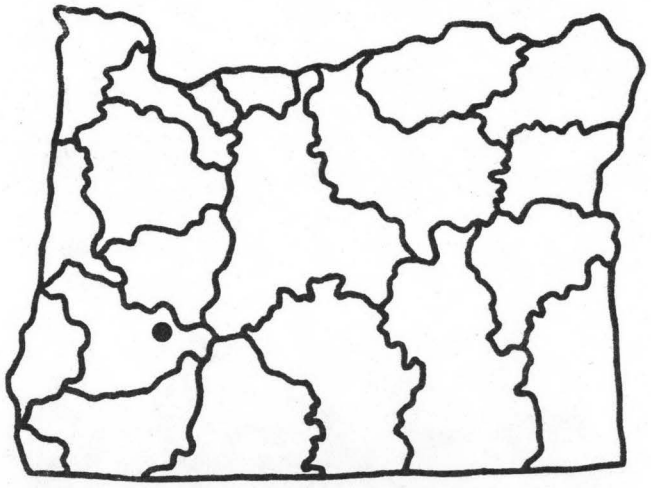
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.2	.01	.11	1.000
80	5.0	.03	.23	.929
50	35.6	.20	1.20	.689
30	101.7	.57	2.50	.501
10	264.6	1.48	4.09	.316

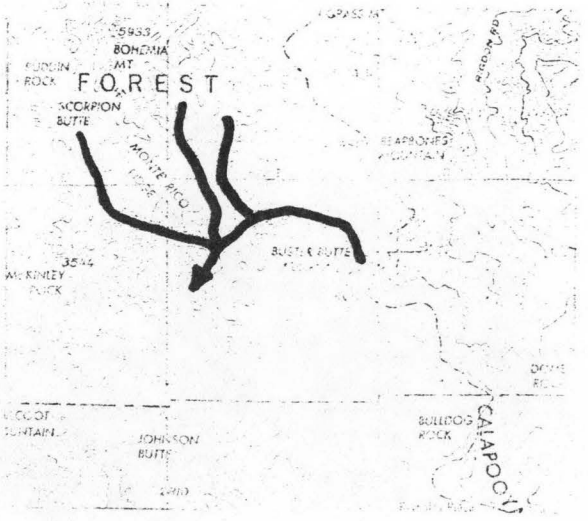
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 126 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0007

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.9, T26S, R1E	
D. Latitude, Longitude	43°19'N,122°47'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	53.0 to 57.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

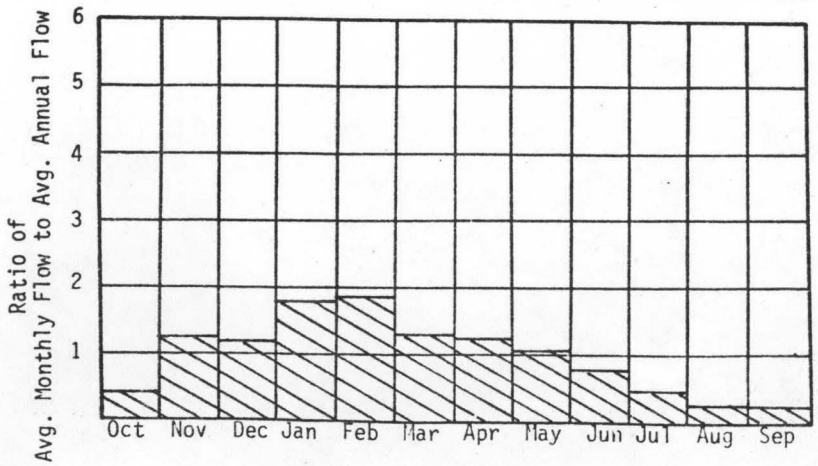
A. Upstream Elevation of Reach	1262	Ft. MSL
B. Downstream Elevation of Reach	1125	Ft. MSL
C. Total Available Head in Reach	137	Ft.
D. Average Slope in Reach	29.2	Ft./Mi.
E. Drainage Area above Reach Mouth	578.5	Sq.Mi.
F. Inflow Classification	Regulated	

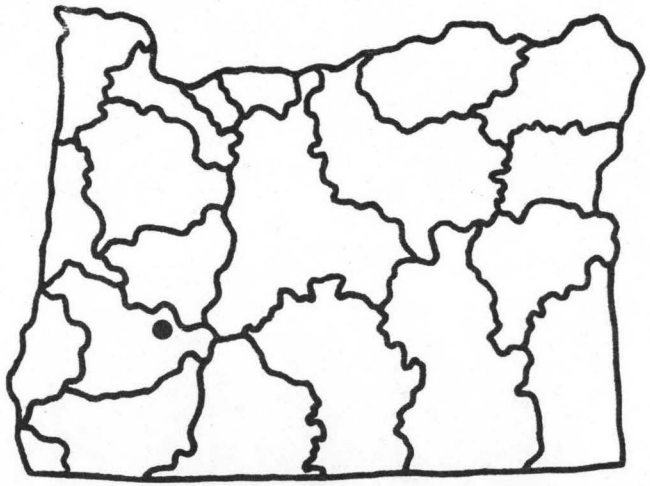
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	92.2	1.07	9.37	1.000
80	160.3	1.86	15.43	.947
50	616.1	7.15	45.57	.727
30	1312.2	15.23	73.89	.554
10	2905.5	33.73	106.30	.360

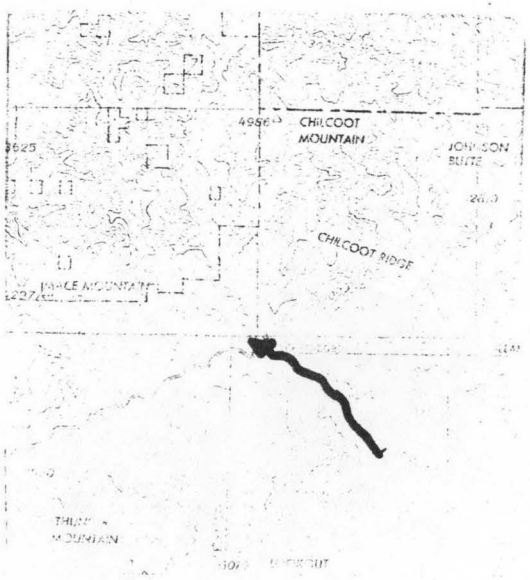
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1416 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.24, T26S, R1E
D.	Latitude, Longitude	43°18'N,122°38'W
E.	Stream Name	North Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	57.7 to 61.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

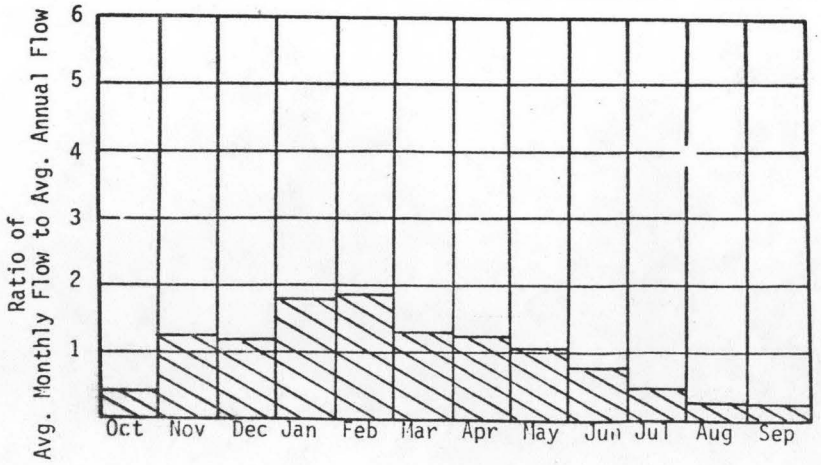
A.	Upstream Elevation of Reach	1405	Ft. MSL
B.	Downstream Elevation of Reach	1262	Ft. MSL
C.	Total Available Head in Reach	143	Ft.
D.	Average Slope in Reach	34.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	544.5	Sq.Mi.
F.	Inflow Classification	Regulated	

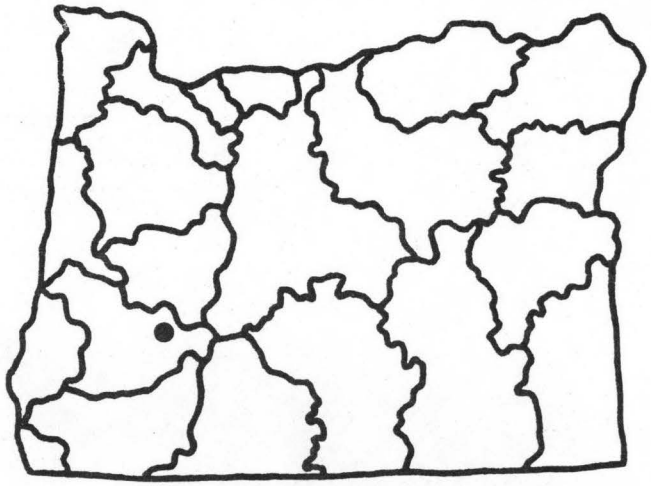
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	84.6	1.02	8.98	1.000
80	148.0	1.79	14.87	.946
50	577.1	6.99	44.48	.726
30	1237.5	15.00	72.52	.552
10	2750.3	33.33	104.64	.358

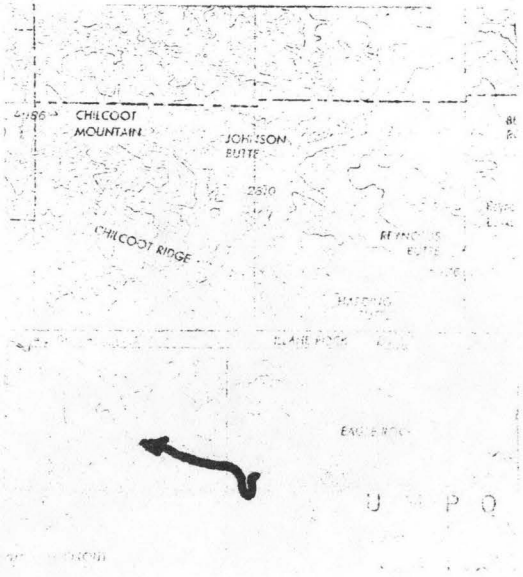
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1340 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0009

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.21, T26S, R2E	
D. Latitude, Longitude	43°17'N,122°35'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	61.8 to 66.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

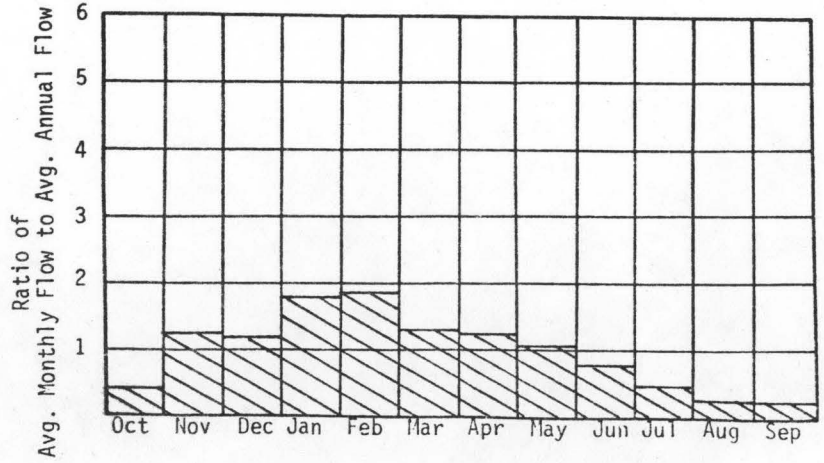
A. Upstream Elevation of Reach	1562	Ft. MSL
B. Downstream Elevation of Reach	1405	Ft. MSL
C. Total Available Head in Reach	157	Ft.
D. Average Slope in Reach	32.7	Ft./Mi.
E. Drainage Area above Reach Mouth	517.5	Sq.Mi.
F. Inflow Classification	Regulated	

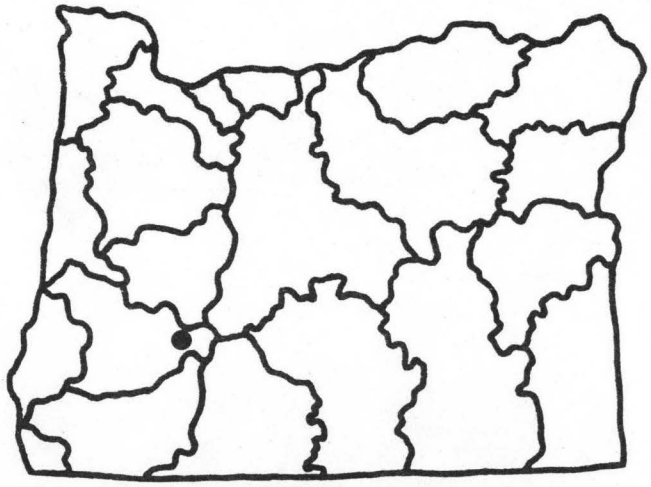
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	76.8	1.02	8.95	1.000
80	135.3	1.80	14.92	.946
50	536.2	7.13	45.29	.725
30	1158.5	15.41	74.30	.550
10	2585.3	34.40	107.56	.357

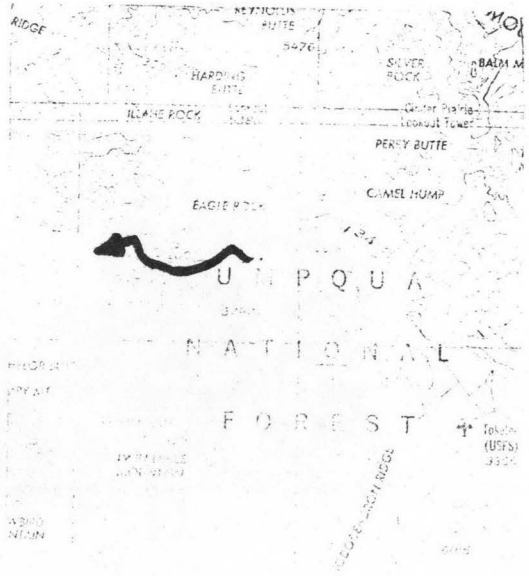
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1259 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0010

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.23, T26S, R2E	
D. Latitude, Longitude	43°18'N,122°32'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	66.6 to 67.9	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

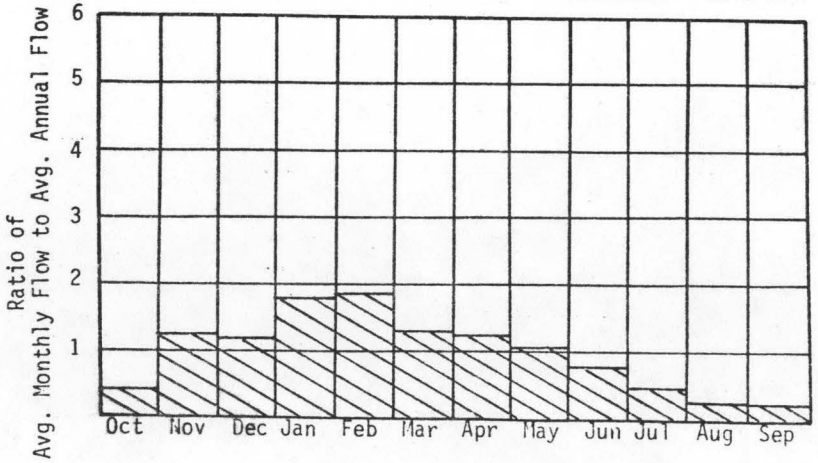
A. Upstream Elevation of Reach	1600	Ft. MSL
B. Downstream Elevation of Reach	1562	Ft. MSL
C. Total Available Head in Reach	38	Ft.
D. Average Slope in Reach	29.2	Ft./Mi.
E. Drainage Area above Reach Mouth	463.2	Sq.Mi.
F. Inflow Classification	Regulated	

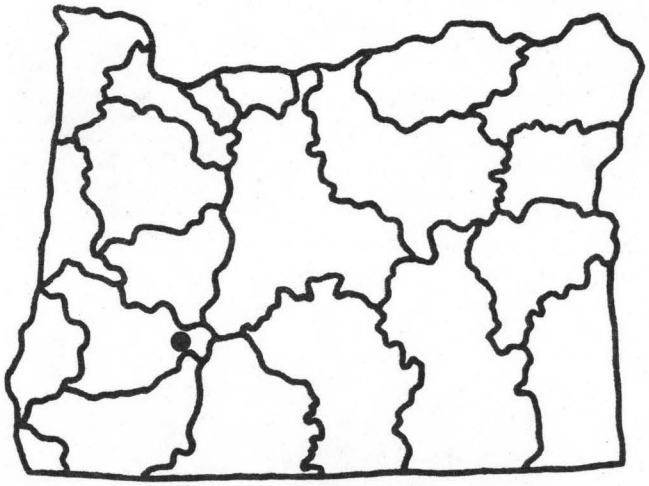
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	65.7	.21	1.85	1.000
80	117.2	.38	3.12	.945
50	476.6	1.53	9.71	.723
30	1042.2	3.36	16.10	.547
10	2341.3	7.54	23.43	.355

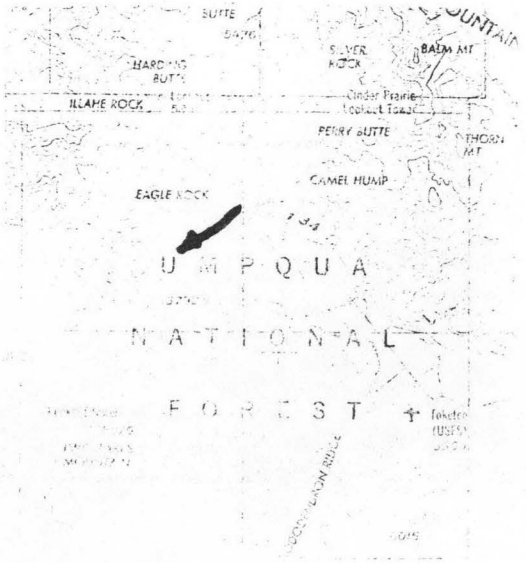
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1139 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0011

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.17, T26S, R3E	
D. Latitude, Longitude	43°18'N,122°30'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	67.9 to 71.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

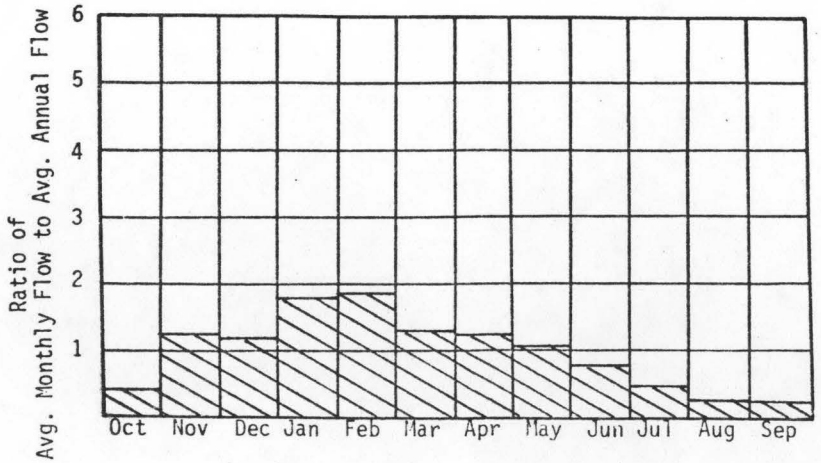
A. Upstream Elevation of Reach	1825	Ft. MSL
B. Downstream Elevation of Reach	1600	Ft. MSL
C. Total Available Head in Reach	225	Ft.
D. Average Slope in Reach	57.7	Ft./Mi.
E. Drainage Area above Reach Mouth	431.7	Sq.Mi.
F. Inflow Classification	Regulated	

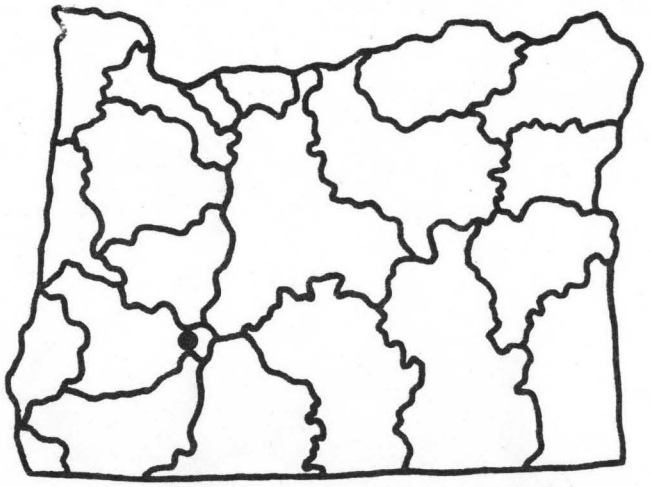
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	56.3	1.07	9.40	1.000
80	101.5	1.94	16.01	.944
50	423.6	8.08	50.98	.721
30	937.7	17.88	85.33	.545
10	2120.7	40.44	124.85	.352

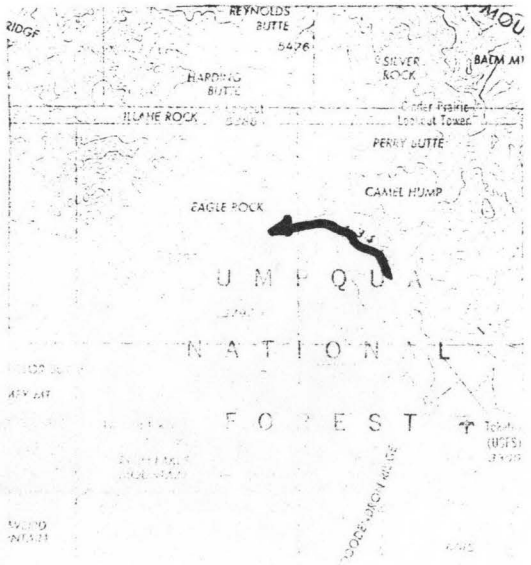
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1030 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-019-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.3, T26S, R3E
D.	Latitude, Longitude	43°15'N,122°29'W
E.	Stream Name	Fish Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 5.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

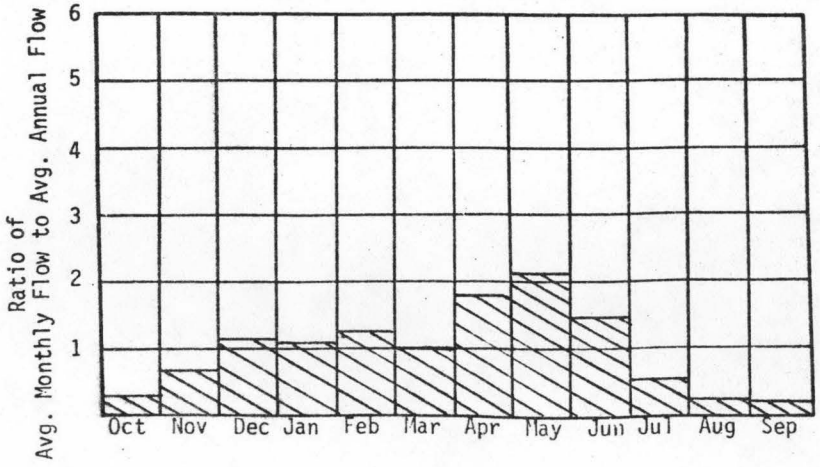
A.	Upstream Elevation of Reach	2955	Ft. MSL
B.	Downstream Elevation of Reach	1825	Ft. MSL
C.	Total Available Head in Reach	1130	Ft.
D.	Average Slope in Reach	195	Ft./Mi.
E.	Drainage Area above Reach Mouth	73.6	Sq.Mi.
F.	Inflow Classification	Regulated	

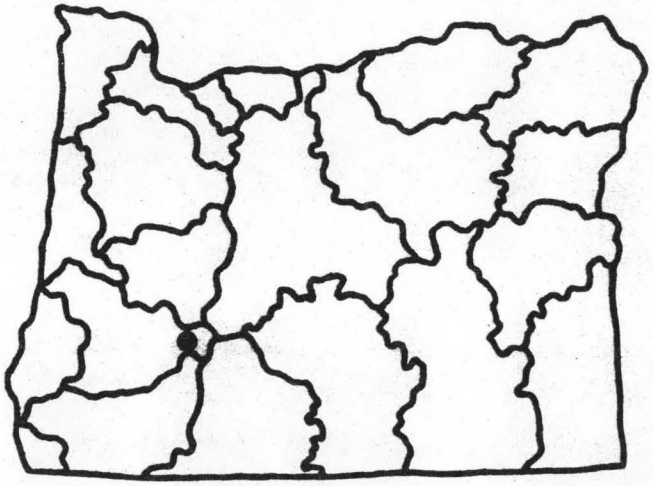
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.8	.27	2.39	1.000
80	6.4	.61	5.00	.931
50	44.0	4.21	25.49	.691
30	122.9	11.77	51.97	.504
10	315.9	30.25	84.35	.318

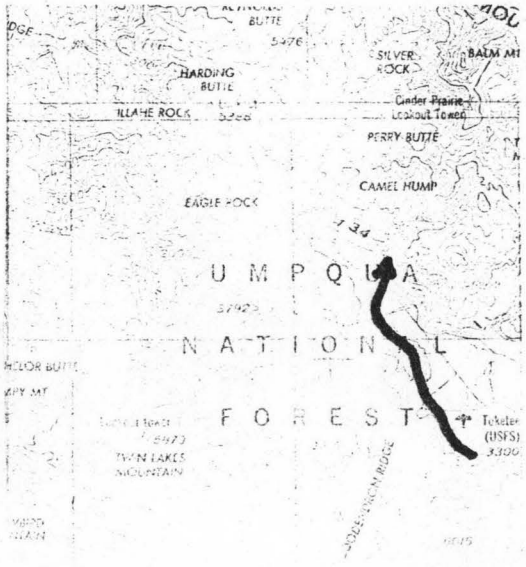
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 150 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-019-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.6, T28S, R4E
D.	Latitude, Longitude	43°10'N,122°23'W
E.	Stream Name	Fish Creek
F.	Major Basin Name	Umpqua
G.	River Mile	5.8 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

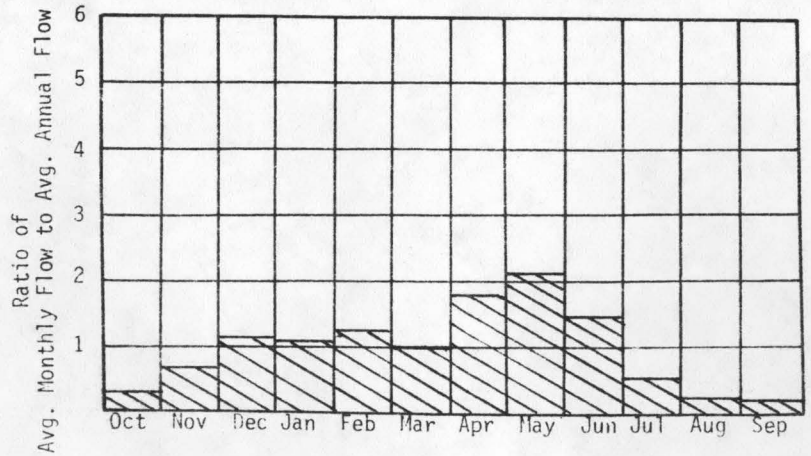
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	56.8	Sq.Mi.
F.	Inflow Classification	Natural	

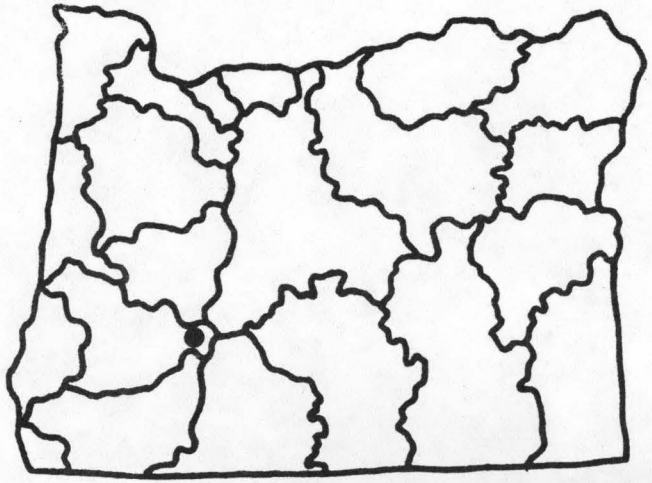
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.2	.01	.11	1.000
80	5.1	.03	.23	.930
50	36.3	.20	1.23	.689
30	103.4	.58	2.54	.501
10	268.7	1.50	4.16	.316

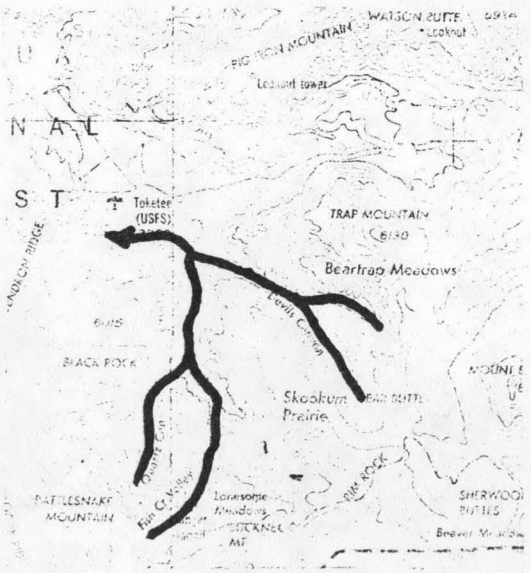
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 128 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0012

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.34, T26S, R3E	
D. Latitude, Longitude	43°18'N,122°27'W	
E. Stream Name	North Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	71.8 to 75.4	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

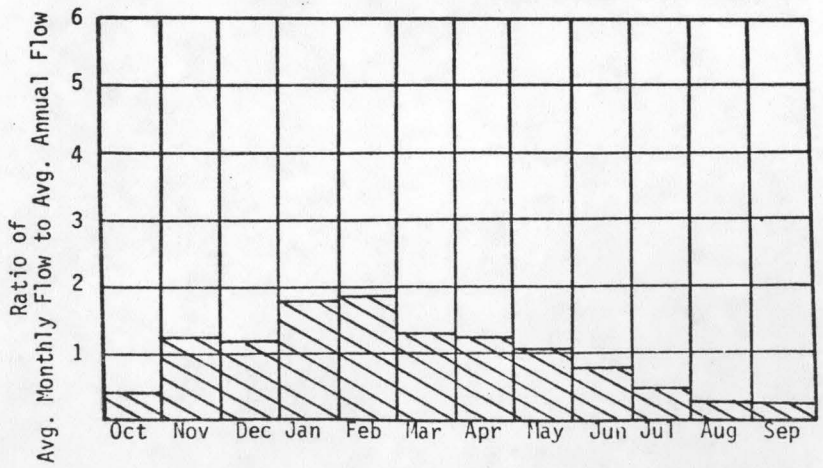
A. Upstream Elevation of Reach	2430	Ft. MSL
B. Downstream Elevation of Reach	1825	Ft. MSL
C. Total Available Head in Reach	605	Ft.
D. Average Slope in Reach	168	Ft./Mi.
E. Drainage Area above Reach Mouth	342.6	Sq.Mi.
F. Inflow Classification	Regulated	

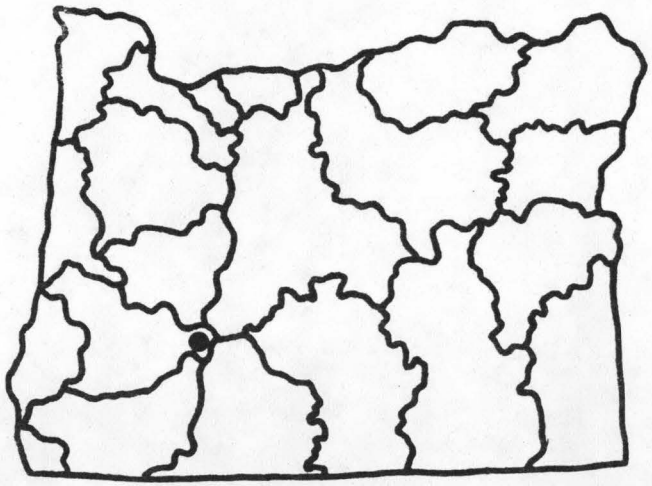
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	39.0	2.00	17.51	1.000
80	72.3	3.70	30.58	.942
50	320.6	16.44	103.09	.716
30	730.3	37.44	176.69	.539
10	1677.8	86.02	261.80	.347

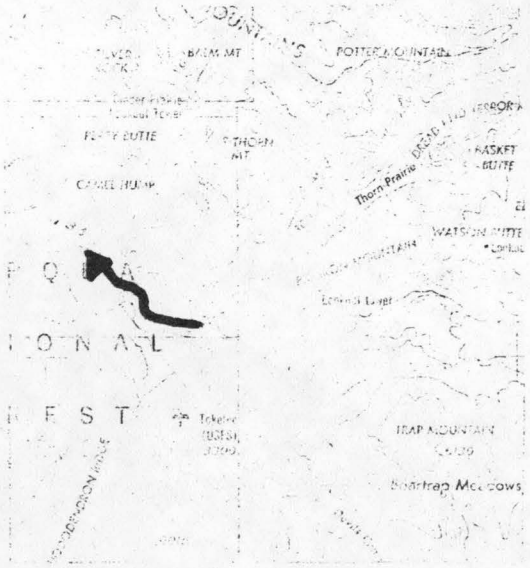
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 814 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-023-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.5, T27S, R4E
D.	Latitude, Longitude	43°15'N,122°21'W
E.	Stream Name	Clearwater River
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 5.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

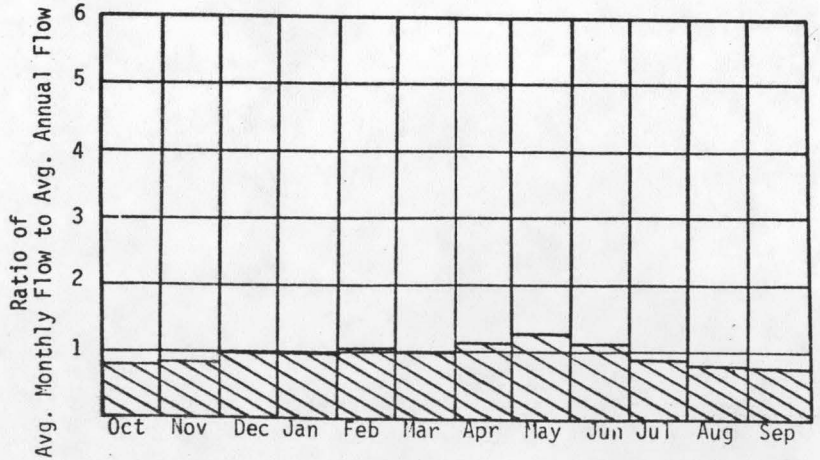
A.	Upstream Elevation of Reach	3025	Ft. MSL
B.	Downstream Elevation of Reach	2430	Ft. MSL
C.	Total Available Head in Reach	595	Ft.
D.	Average Slope in Reach	102.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	73.8	Sq.Mi.
F.	Inflow Classification	Regulated	

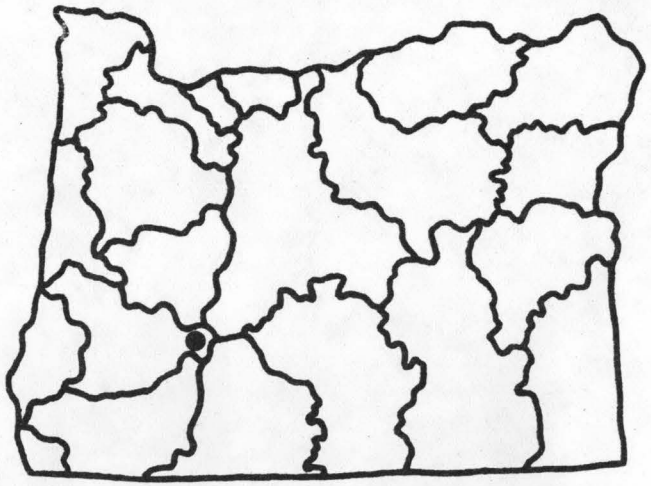
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.6	.13	1.16	1.000
80	6.0	.30	2.45	.930
50	41.4	2.09	12.63	.690
30	116.4	5.87	25.88	.503
10	300.3	15.14	42.13	.318

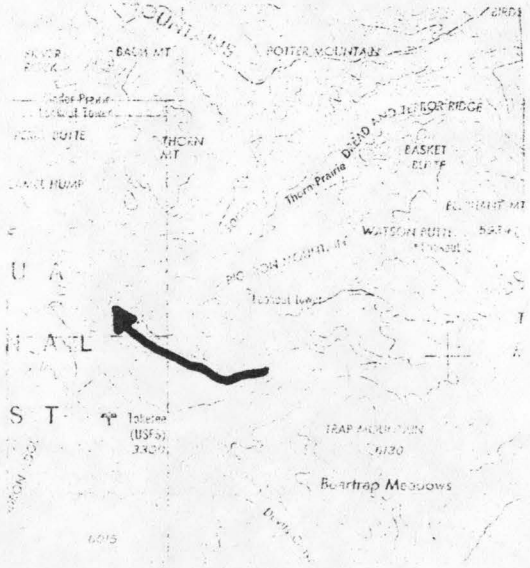
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 143 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-023-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	T27S, R5E
D.	Latitude, Longitude	43°15'N,122°14'W
E.	Stream Name	Clearwater River
F.	Major Basin Name	Umpqua
G.	River Mile	5.8 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

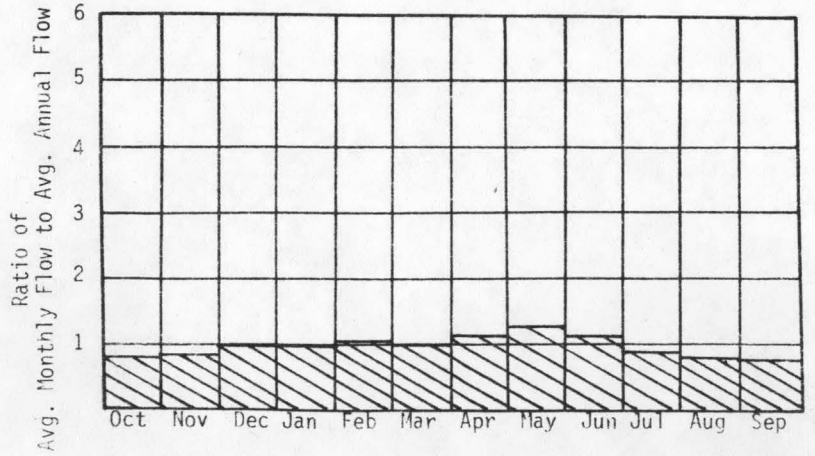
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	46.4	Sq.Mi.
F.	Inflow Classification	Natural	

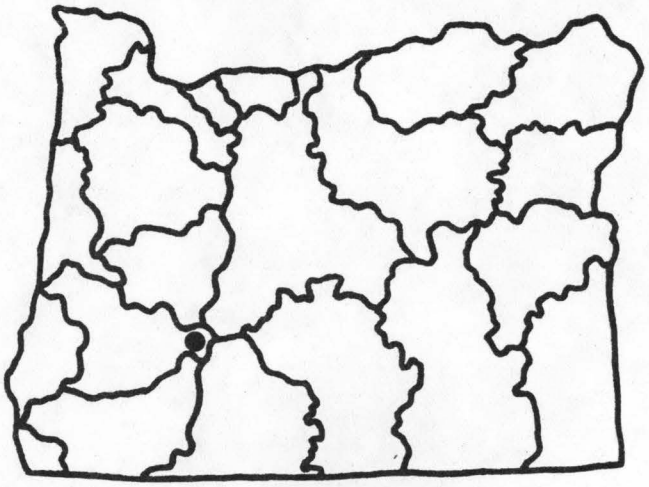
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.8	.01	.09	1.000
80	4.2	.02	.19	.929
50	31.2	.17	1.05	.688
30	90.3	.50	2.21	.499
10	236.6	1.32	3.64	.314

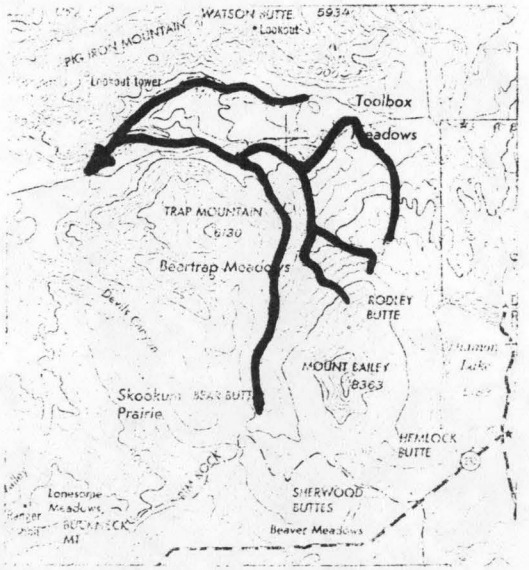
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0013

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.30, T26S, R4E
D.	Latitude, Longitude	43°17'N,122°23'W
E.	Stream Name	North Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	76.5 to 80.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

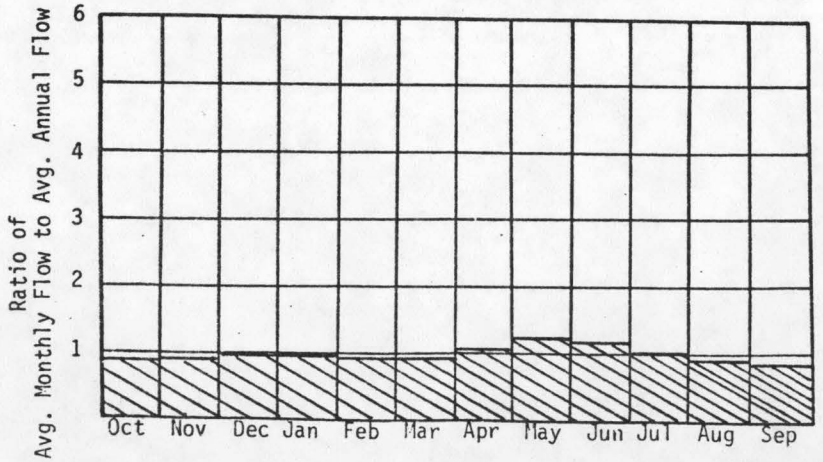
A.	Upstream Elevation of Reach	2610	Ft. MSL
B.	Downstream Elevation of Reach	2430	Ft. MSL
C.	Total Available Head in Reach	180	Ft.
D.	Average Slope in Reach	48.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	258.5	Sq.Mi.
F.	Inflow Classification	Regulated	

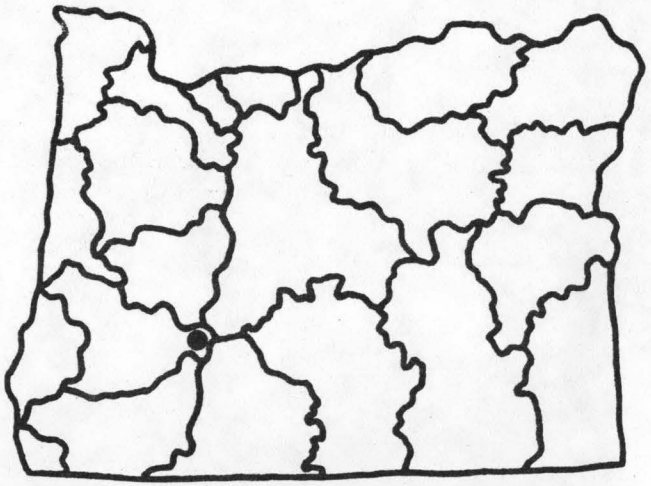
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	22.6	.35	3.02	1.000
80	43.7	.67	5.48	.940
50	212.1	3.24	20.11	.710
30	504.1	7.69	35.72	.530
10	1185.5	18.08	53.93	.340

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 572 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0014

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	T26S, R4E
D.	Latitude, Longitude	43°21'N,122°16'W
E.	Stream Name	North Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	80.2 to 93.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

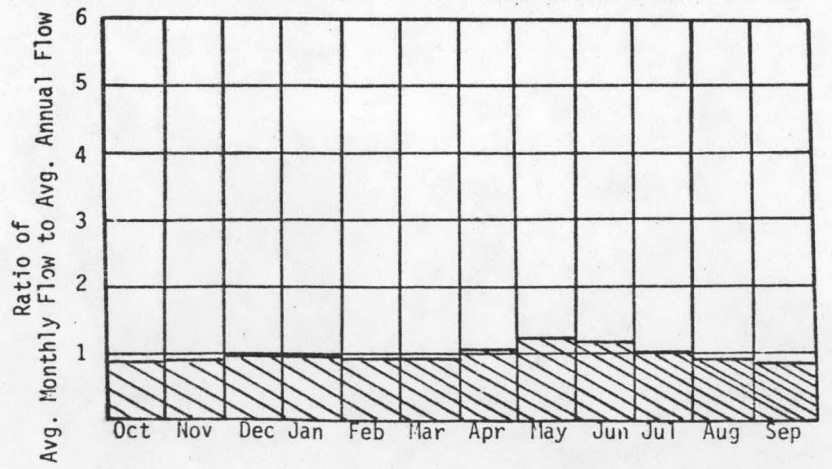
A.	Upstream Elevation of Reach	4076	Ft. MSL
B.	Downstream Elevation of Reach	2610	Ft. MSL
C.	Total Available Head in Reach	1466	Ft.
D.	Average Slope in Reach	122.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	214.0	Sq.Mi.
F.	Inflow Classification	Regulated	

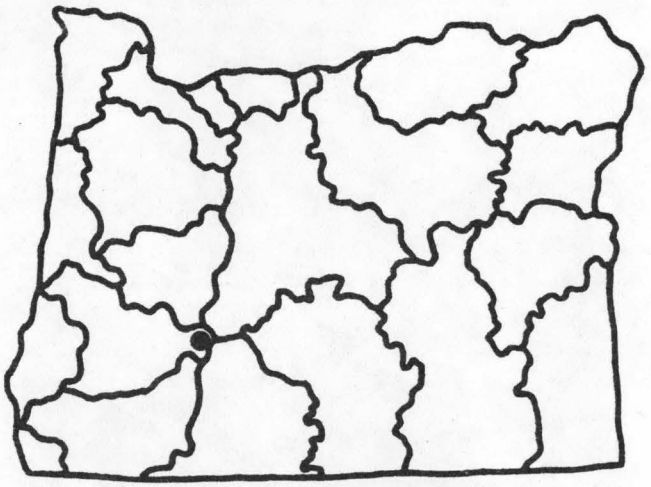
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.1	1.87	16.39	1.000
80	29.9	3.72	30.56	.938
50	155.7	19.34	119.53	.705
30	382.0	47.46	218.04	.524
10	914.2	113.58	333.88	.336

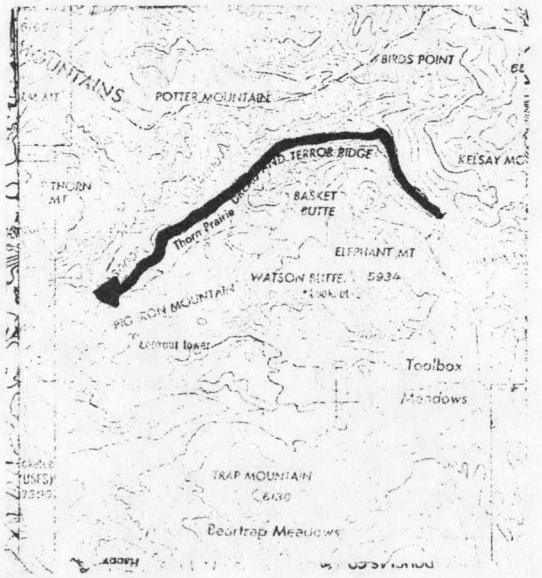
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 440 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-029-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	T26S, R6E
D.	Latitude, Longitude	43°17'N,122°10'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 3.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

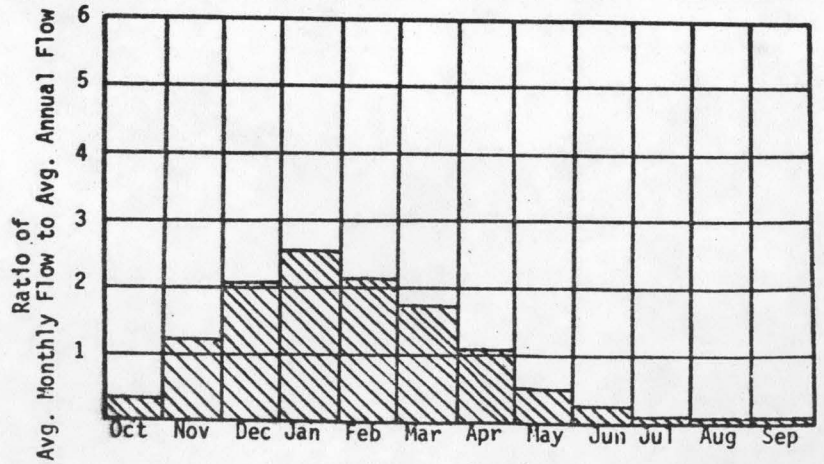
A.	Upstream Elevation of Reach	4365	Ft. MSL
B.	Downstream Elevation of Reach	4142	Ft. MSL
C.	Total Available Head in Reach	223	Ft.
D.	Average Slope in Reach	57.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	90.5	Sq.Mi.
F.	Inflow Classification	Regulated	

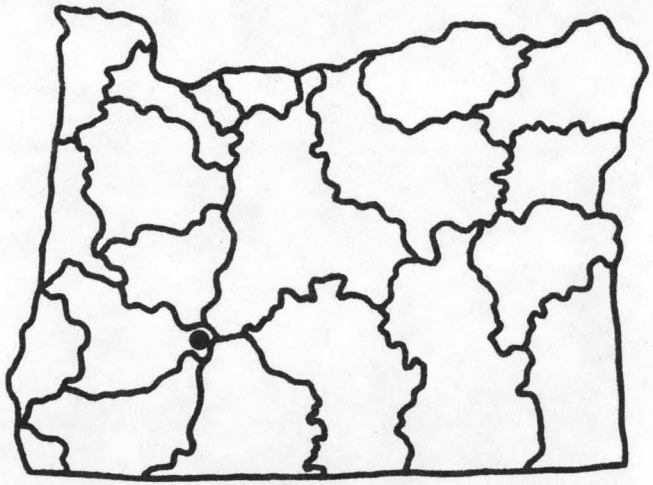
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.0	.08	.66	1.000
80	8.7	.16	1.35	.932
50	56.7	1.07	6.51	.693
30	154.3	2.92	12.97	.508
10	390.9	7.39	20.80	.321

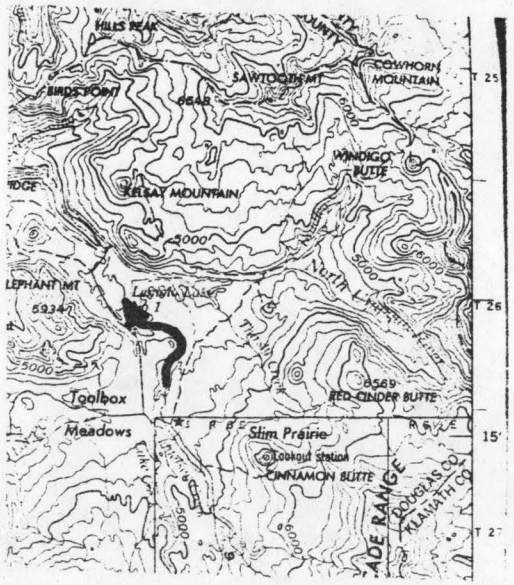
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 186 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-029-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	T26S, R6E
D.	Latitude, Longitude	43°17'N, 122°30'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Umpqua
G.	River Mile	3.9 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

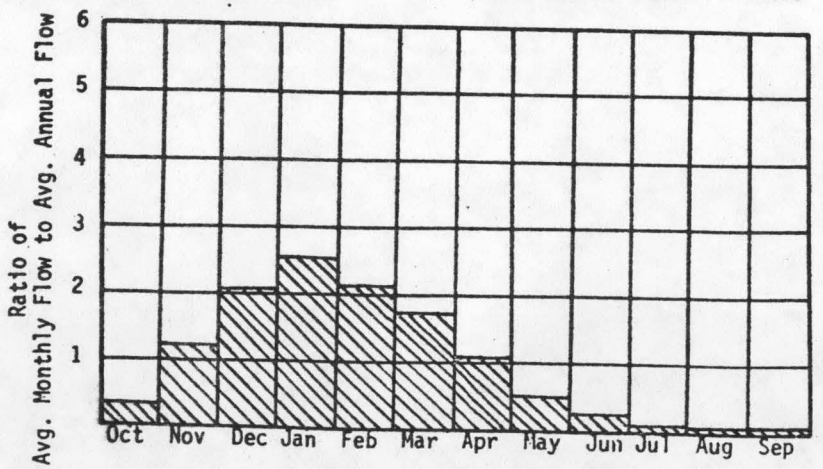
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	65.8	Sq.Mi.
F.	Inflow Classification	Natural	

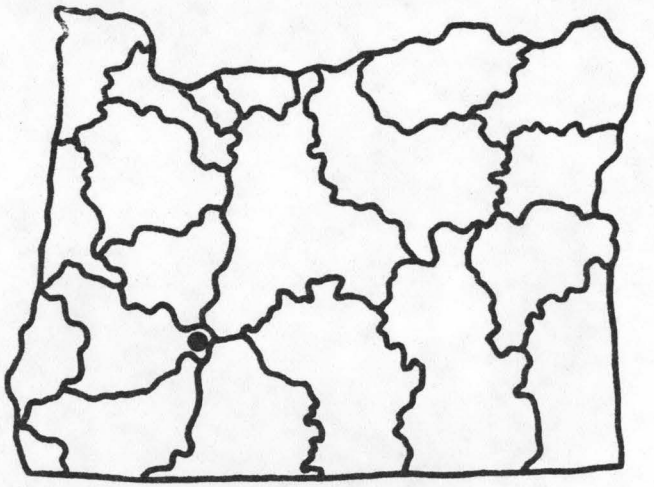
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.7	.02	.13	1.000
80	6.2	.03	.28	.930
50	42.8	.24	1.45	.691
30	119.8	.67	2.96	.504
10	308.5	1.73	4.81	.318

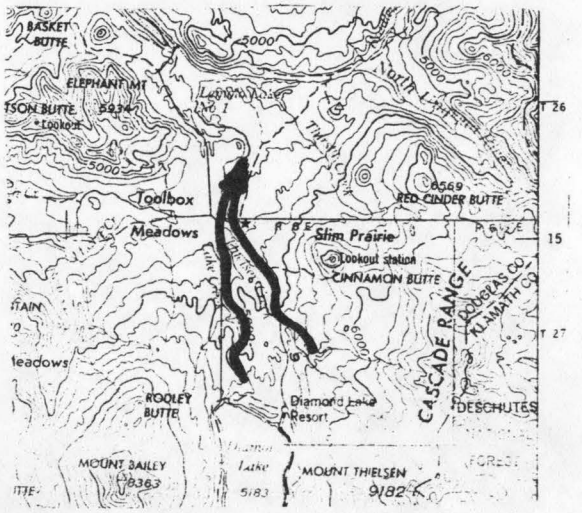
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 147 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-100-000-000-R0015

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	T26S, R6E
D.	Latitude, Longitude	43°18'N,122°05'W
E.	Stream Name	North Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	95.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

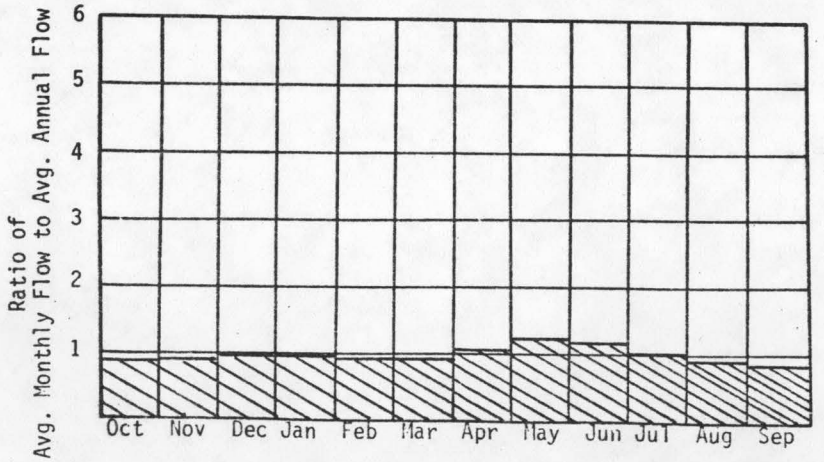
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	74.0	Sq.Mi.
F.	Inflow Classification	Natural	

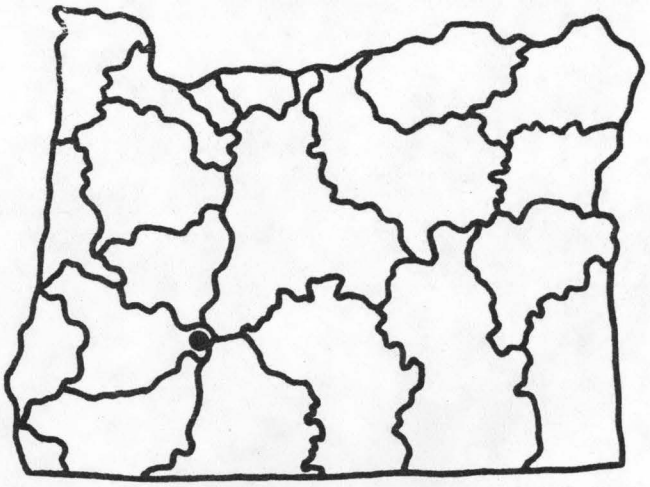
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.0	.02	.15	1.000
80	6.8	.04	.31	.931
50	46.1	.26	1.56	.691
30	128.1	.72	3.17	.505
10	328.5	1.84	5.13	.319

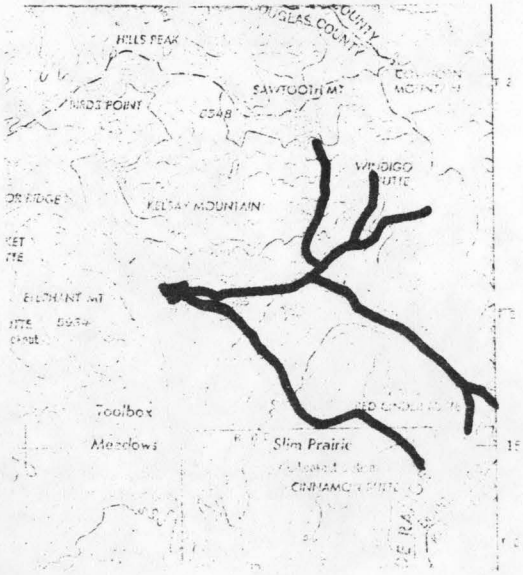
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 156 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-CRESENT



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.9, T27S, R6W
D.	Latitude, Longitude	43°14'N.123°24'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 11.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

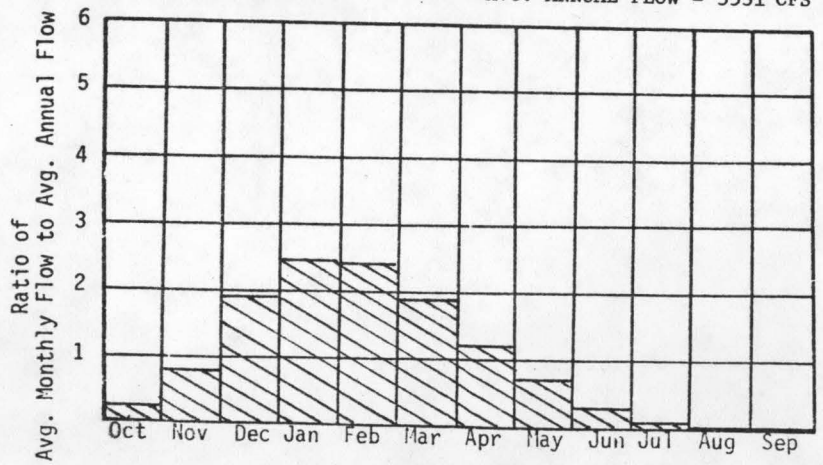
A.	Upstream Elevation of Reach	415	Ft. MSL
B.	Downstream Elevation of Reach	360	Ft. MSL
C.	Total Available Head in Reach	55	Ft.
D.	Average Slope in Reach	4.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	1765.2	Sq.Mi.
F.	Inflow Classification	Natural	

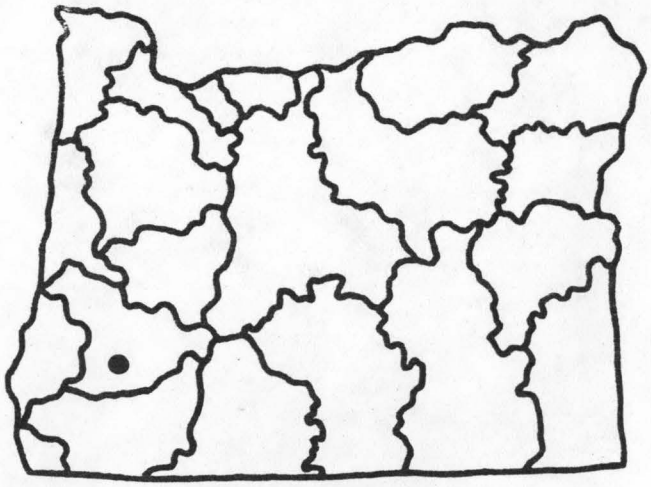
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	379.7	1.77	15.50	1.000
80	594.6	2.77	23.18	.955
50	1805.1	8.41	55.31	.750
30	3442.4	16.05	82.05	.584
10	7173.1	33.43	112.51	.384

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3531 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.25, T27S, R6W
D.	Latitude, Longitude	43°11'N,123°20'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	11.3 to 16.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

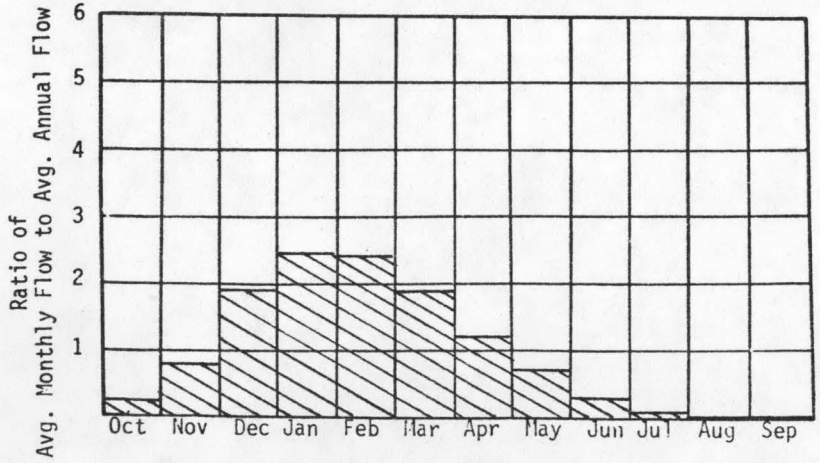
A.	Upstream Elevation of Reach	442	Ft. MSL
B.	Downstream Elevation of Reach	415	Ft. MSL
C.	Total Available Head in Reach	27	Ft.
D.	Average Slope in Reach	5.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	1641.4	Sq.Mi.
F.	Inflow Classification	Natural	

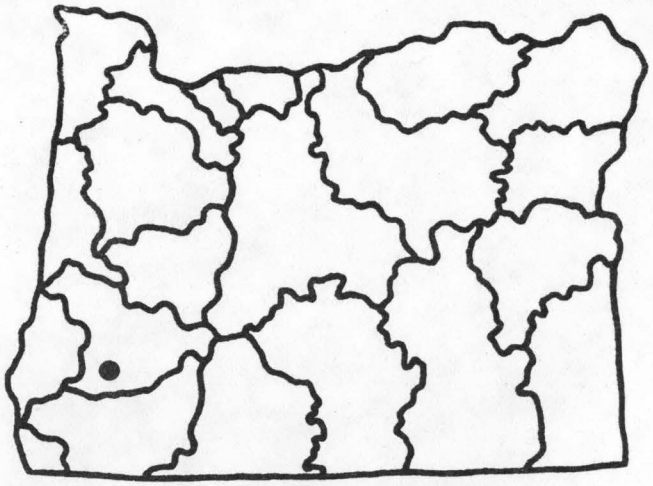
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	351.7	.80	7.05	1.000
80	553.8	1.27	10.59	.954
50	1702.8	3.90	25.56	.749
30	3266.9	7.48	38.10	.582
10	6829.8	15.63	52.39	.383

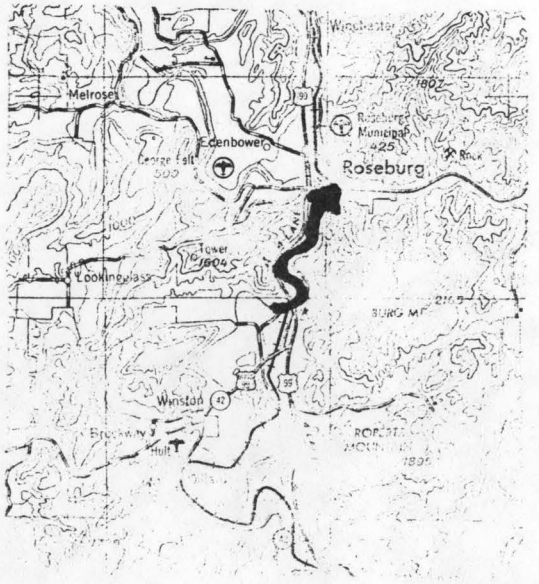
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3360 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.16, T28S, R6W
D.	Latitude, Longitude	43°08'N,123°23'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	16.2 to 25.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

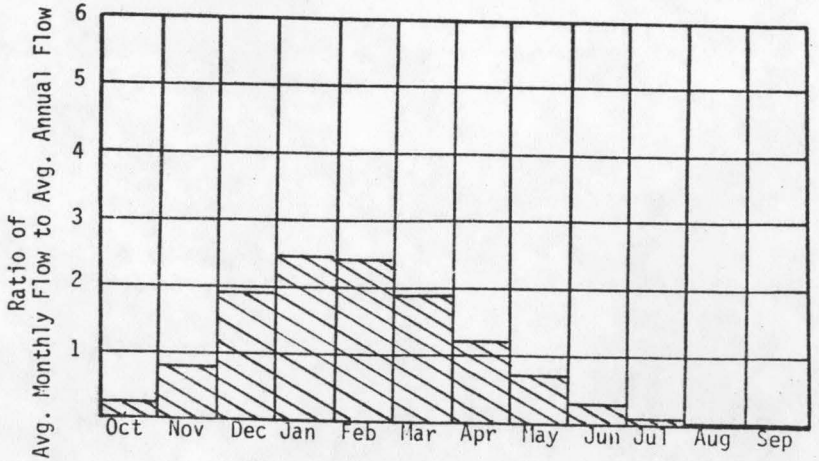
A.	Upstream Elevation of Reach	490	Ft. MSL
B.	Downstream Elevation of Reach	442	Ft. MSL
C.	Total Available Head in Reach	48	Ft.
D.	Average Slope in Reach	5.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	1608.4	Sq.Mi.
F.	Inflow Classification	Natural	

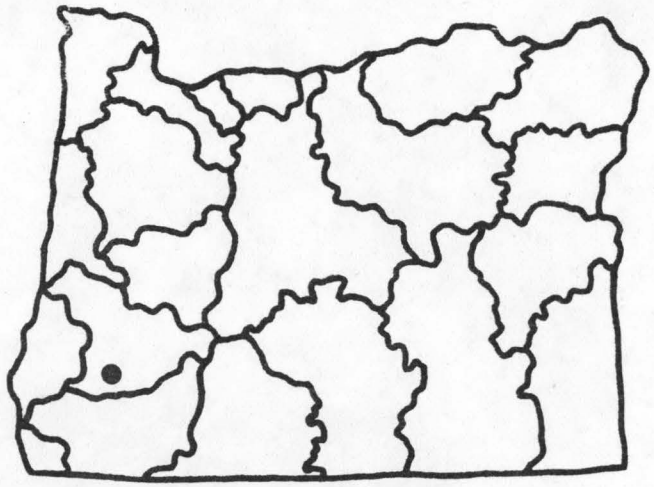
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	342.4	1.39	12.20	1.000
80	540.3	2.20	18.37	.954
50	1668.8	6.79	44.51	.749
30	3208.3	13.05	66.45	.581
10	6715.0	27.32	91.45	.382

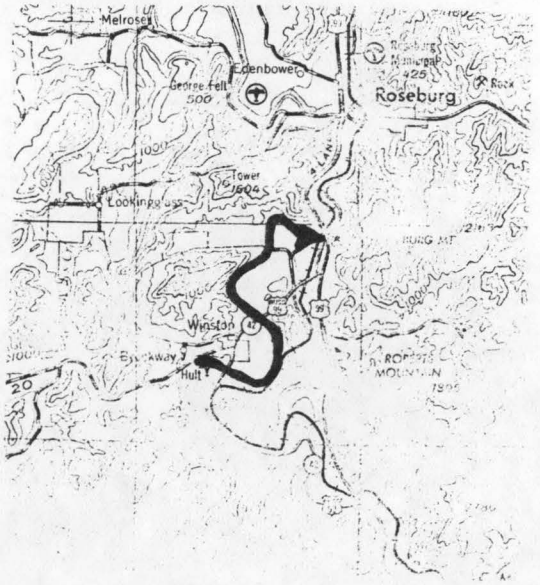
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3303 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-002-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.17, T28S, R6W
D.	Latitude, Longitude	43°09'N,123°28'W
E.	Stream Name	Lookingglass Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 7.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

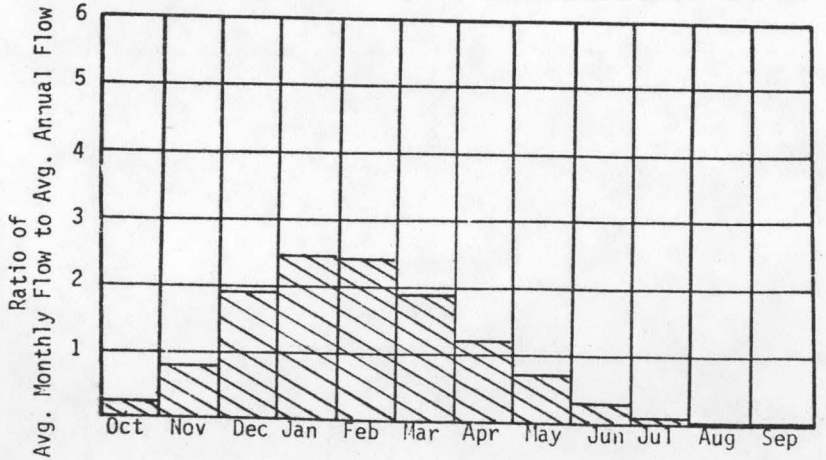
A.	Upstream Elevation of Reach	568	Ft. MSL
B.	Downstream Elevation of Reach	490	Ft. MSL
C.	Total Available Head in Reach	78	Ft.
D.	Average Slope in Reach	10.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	143.9	Sq.Mi.
F.	Inflow Classification	Natural	

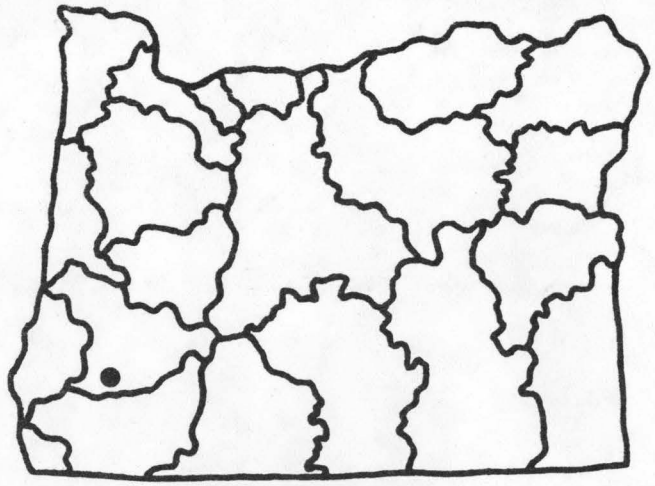
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.4	.05	.43	1.000
80	15.4	.10	.84	.935
50	90.4	.60	3.66	.699
30	234.6	1.55	7.00	.515
10	579.0	3.83	10.99	.328

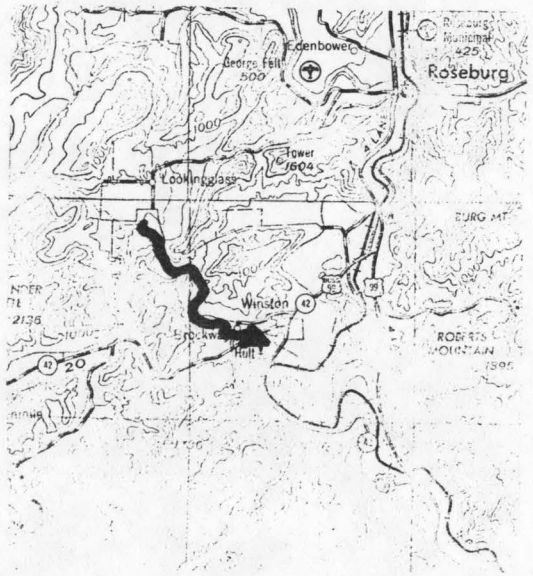
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 278 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-002-002-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.14, T28S, R7W
D.	Latitude, Longitude	43°08'N,123°30'W
E.	Stream Name	Olalla Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 5.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

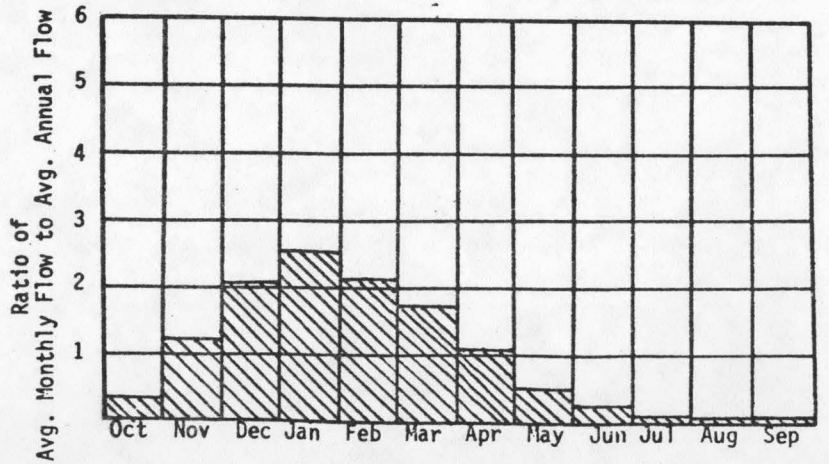
A.	Upstream Elevation of Reach	627	Ft. MSL
B.	Downstream Elevation of Reach	568	Ft. MSL
C.	Total Available Head in Reach	59	Ft.
D.	Average Slope in Reach	10.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	113.2	Sq.Mi.
F.	Inflow Classification	Natural	

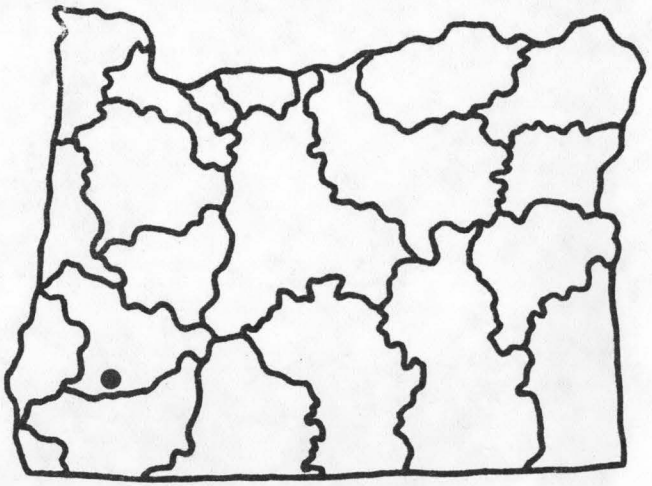
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.1	.03	.22	1.000
80	11.1	.06	.45	.933
50	68.8	.34	2.10	.695
30	183.6	.92	4.11	.511
10	460.2	2.30	6.53	.324

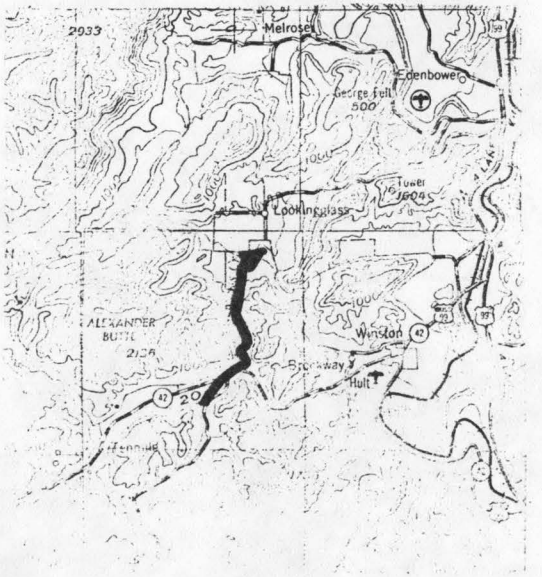
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 220 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-002-002-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.34, T28S, R7W
D.	Latitude, Longitude	43°06'N,123°31'W
E.	Stream Name	Olalla Creek
F.	Major Basin Name	Umpqua
G.	River Mile	5.8 to 8.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

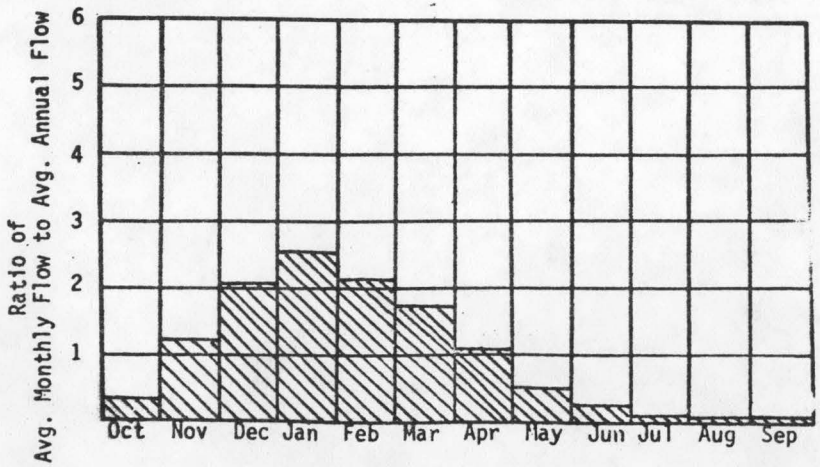
A.	Upstream Elevation of Reach	674	Ft. MSL
B.	Downstream Elevation of Reach	627	Ft. MSL
C.	Total Available Head in Reach	47	Ft.
D.	Average Slope in Reach	21.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	74.1	Sq.Mi.
F.	Inflow Classification	Natural	

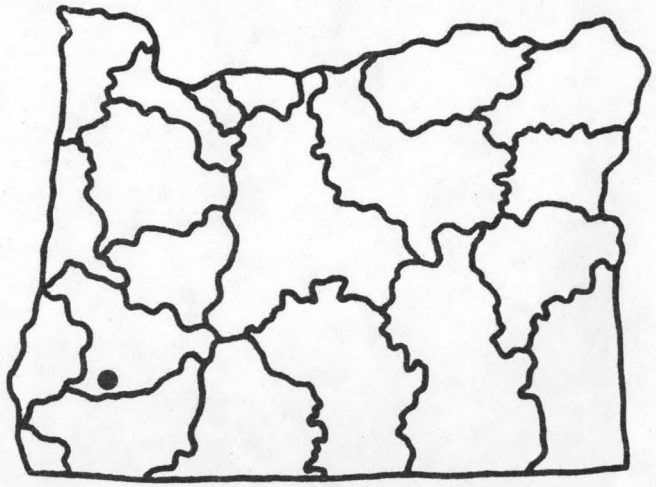
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.1	.01	.07	1.000
80	4.8	.02	.16	.929
50	34.8	.14	.84	.689
30	99.7	.40	1.74	.501
10	259.6	1.03	2.86	.316

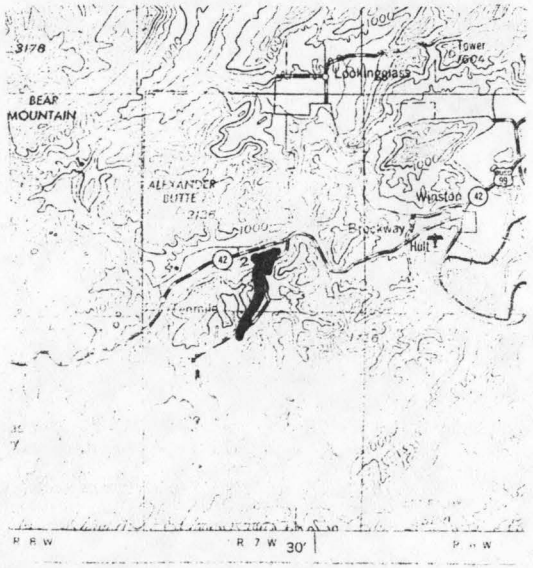
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 124 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-002-002-R0003

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	T29½S. R7W
D.	Latitude, Longitude	43°00'N.123°33'W
E.	Stream Name	Olalla Creek
F.	Major Basin Name	Umpqua
G.	River Mile	8.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

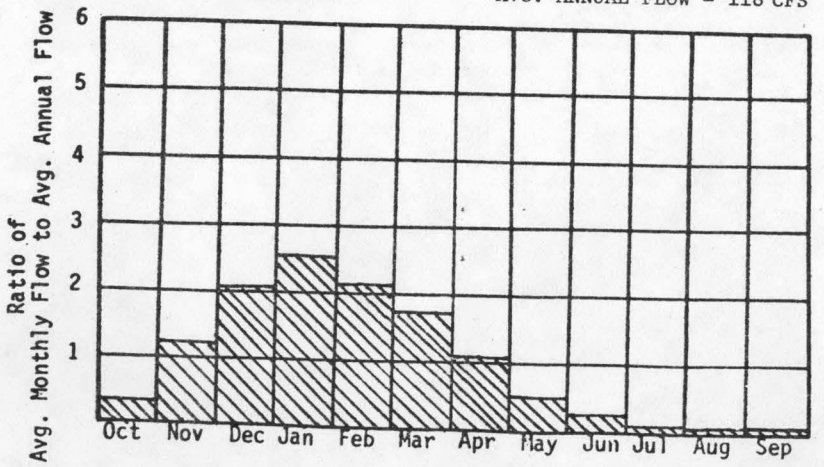
A.	Upstream Elevation of Reach	---	Ft. MSL
B.	Downstream Elevation of Reach	---	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	---	Ft./Mi.
E.	Drainage Area above Reach Mouth	67.3	Sq.Mi.
F.	Inflow Classification	Natural	

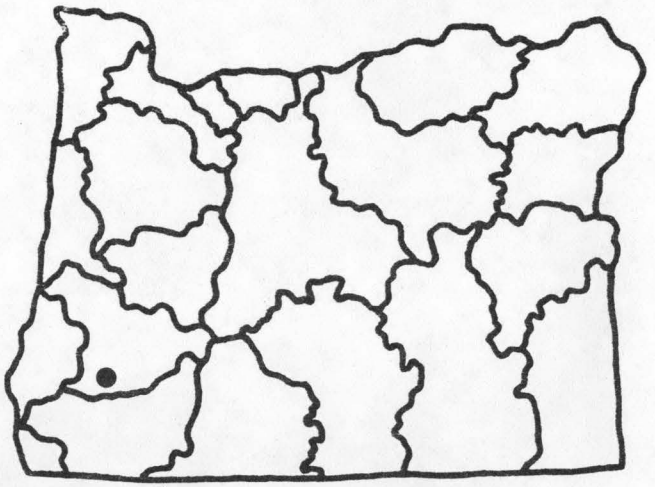
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.0	.01	.10	1.000
80	4.5	.03	.21	.929
50	33.1	.19	1.12	.688
30	95.2	.53	2.33	.500
10	248.7	1.39	3.84	.315

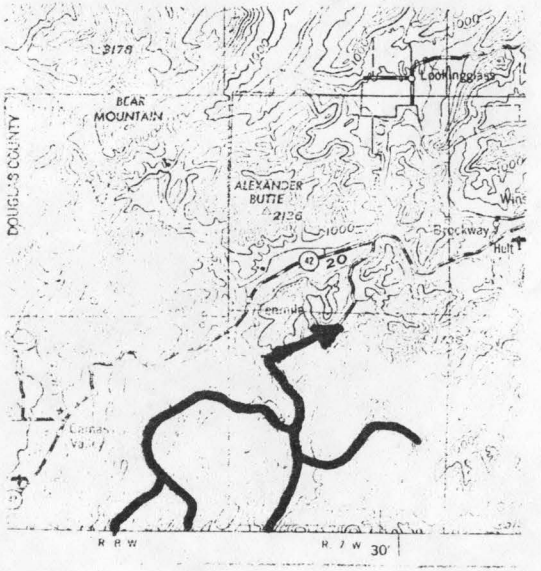
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 118 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-002-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.32, T27S, R7W
D.	Latitude, Longitude	43°10'N,123°33'W
E.	Stream Name	Lookingglass Creek
F.	Major Basin Name	Umpqua
G.	River Mile	7.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

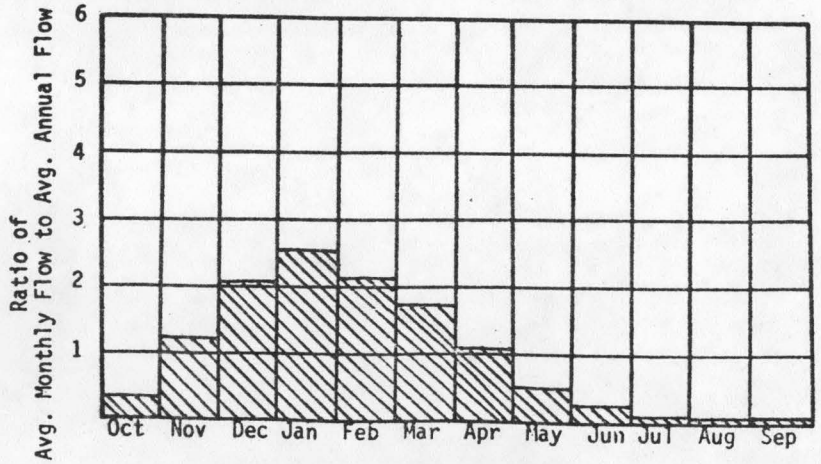
A.	Upstream Elevation of Reach	---	Ft. MSL
B.	Downstream Elevation of Reach	---	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	---	Ft./Mi.
E.	Drainage Area above Reach Mouth	16.6	Sq.Mi.
F.	Inflow Classification	Natural	

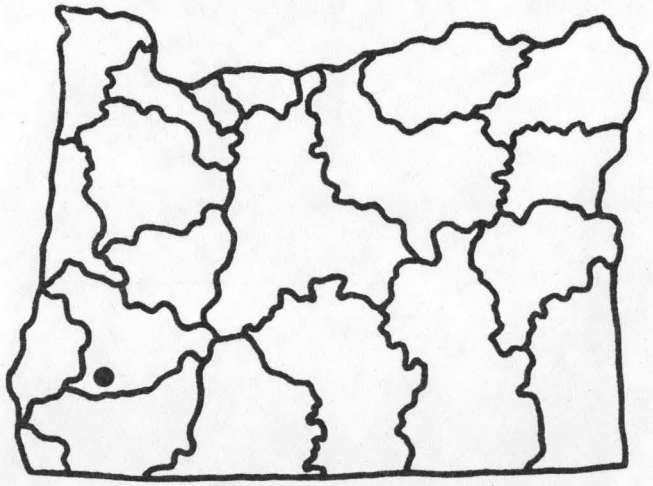
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	.2	.00	.01	1.000
80	.7	.00	.03	.921
50	6.9	.04	.23	.676
30	23.3	.13	.55	.482
10	66.4	.37	.97	.299

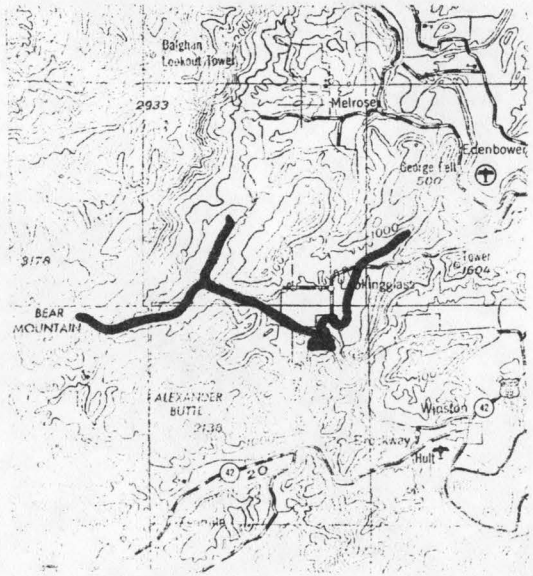
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 31 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.3, T29S, R6W
D.	Latitude, Longitude	43°04'N,123°22'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	25.3 to 39.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

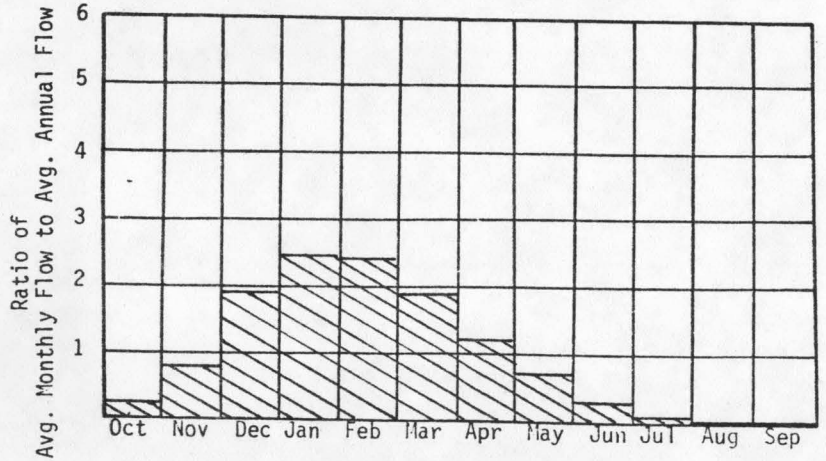
A.	Upstream Elevation of Reach	565	Ft. MSL
B.	Downstream Elevation of Reach	490	Ft. MSL
C.	Total Available Head in Reach	75	Ft.
D.	Average Slope in Reach	5.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	1446.6	Sq.Mi.
F.	Inflow Classification	Natural	

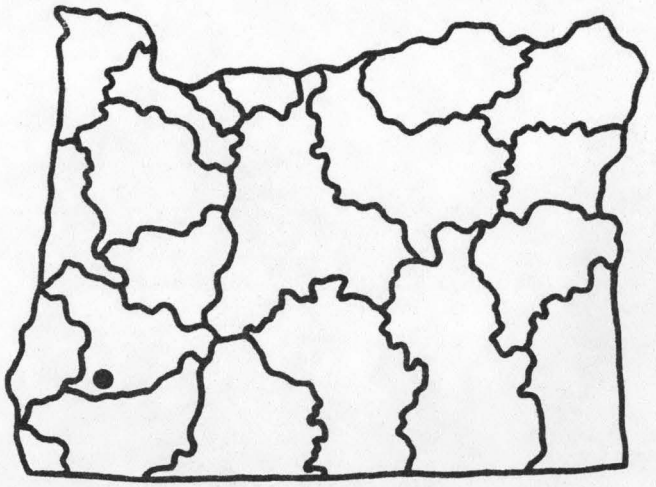
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	279.2	1.77	15.54	1.000
80	447.2	2.84	23.73	.953
50	1429.1	9.08	59.27	.745
30	2791.7	17.74	89.61	.577
10	5894.3	37.46	124.16	.378

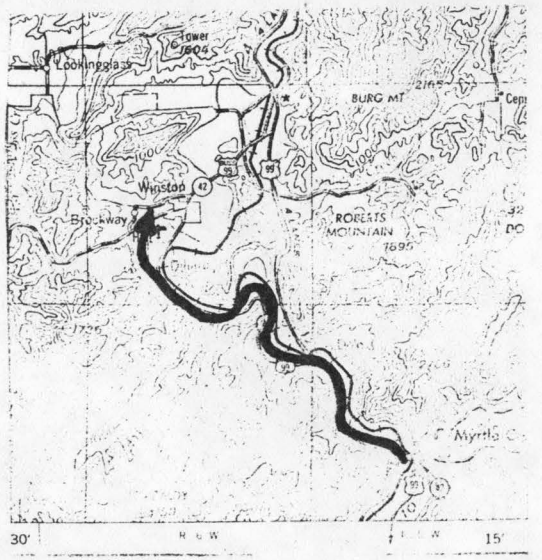
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2896 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-008-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.28, T29S, R5W
D.	Latitude, Longitude	43°01'N,123°18'W
E.	Stream Name	Myrtle Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 0.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

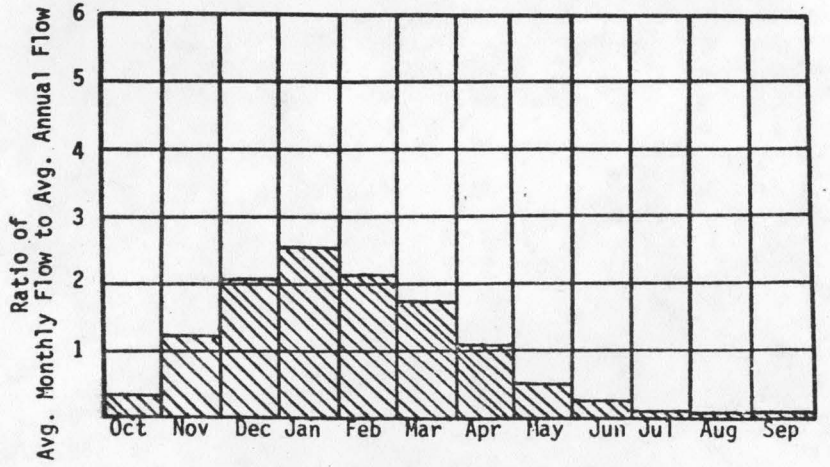
A.	Upstream Elevation of Reach	580	Ft. MSL
B.	Downstream Elevation of Reach	565	Ft. MSL
C.	Total Available Head in Reach	15	Ft.
D.	Average Slope in Reach	21.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	114.5	Sq.Mi.
F.	Inflow Classification	Natural	

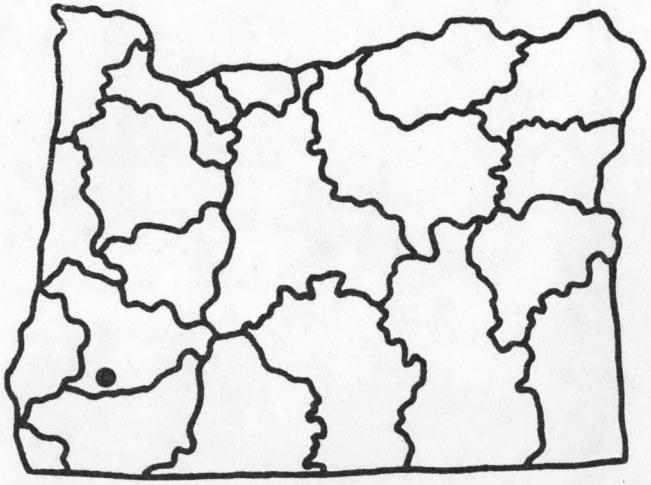
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.3	.00	.04	1.000
80	7.4	.01	.08	.931
50	49.5	.06	.38	.692
30	136.5	.17	.77	.506
10	348.6	.44	1.24	.320

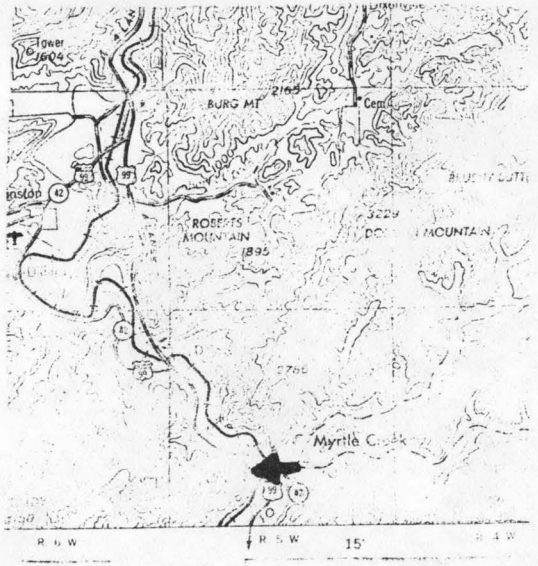
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 166 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-008-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.3, T29S, R4W
D.	Latitude, Longitude	43°05'N,123°10'W
E.	Stream Name	Myrtle Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.7 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

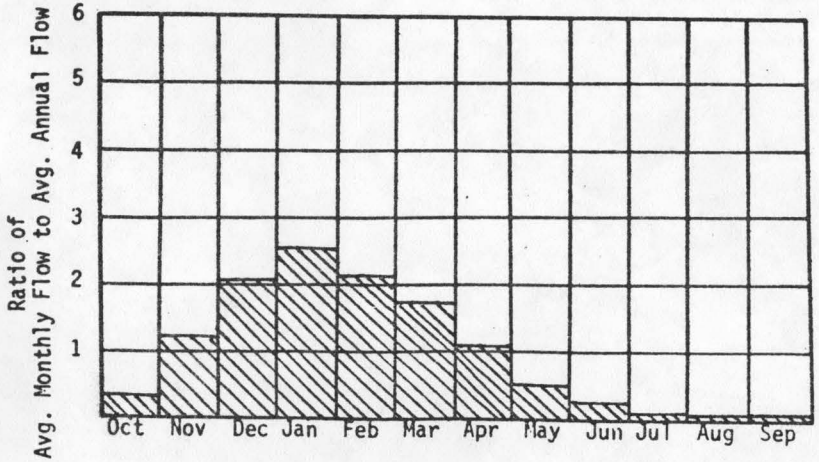
A.	Upstream Elevation of Reach	---	Ft. MSL
B.	Downstream Elevation of Reach	---	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	---	Ft./Mi.
E.	Drainage Area above Reach Mouth	58.1	Sq.Mi.
F.	Inflow Classification	Natural	

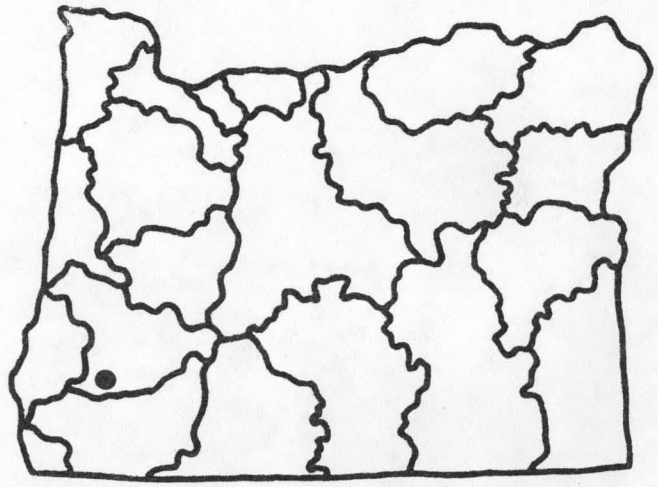
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.2	.01	.06	1.000
80	2.8	.02	.13	.927
50	22.1	.12	.74	.685
30	66.4	.37	1.61	.495
10	177.3	.99	2.70	.310

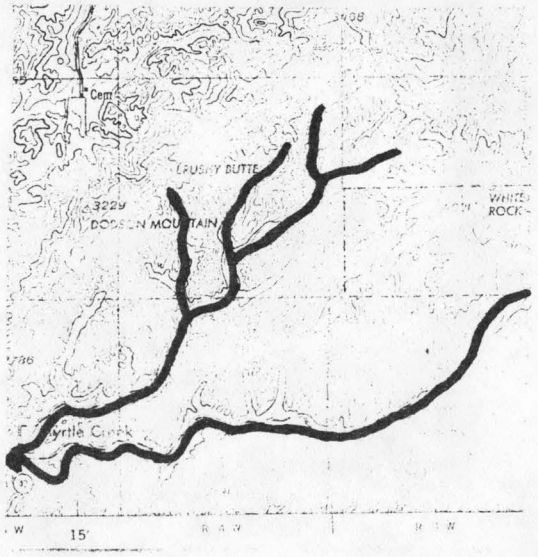
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 84 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.6, T30S, R5W
D.	Latitude, Longitude	42°59'N,123°21'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	39.0 to 47.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

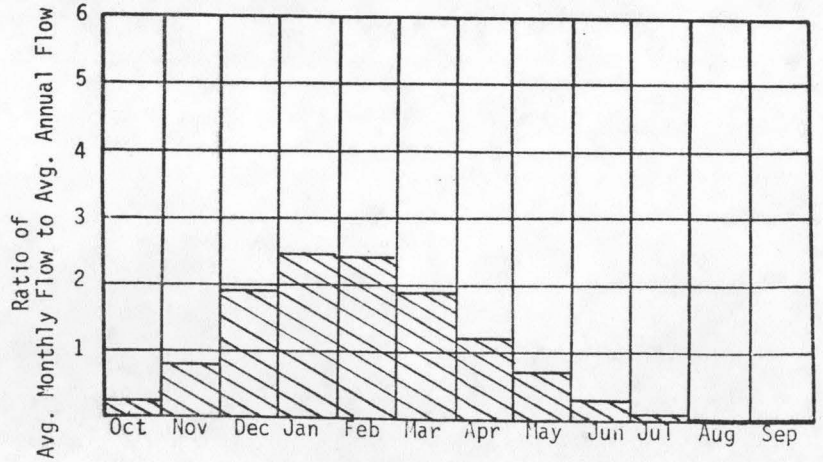
A.	Upstream Elevation of Reach	635	Ft. MSL
B.	Downstream Elevation of Reach	565	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	8.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	1262.7	Sq.Mi.
F.	Inflow Classification	Natural	

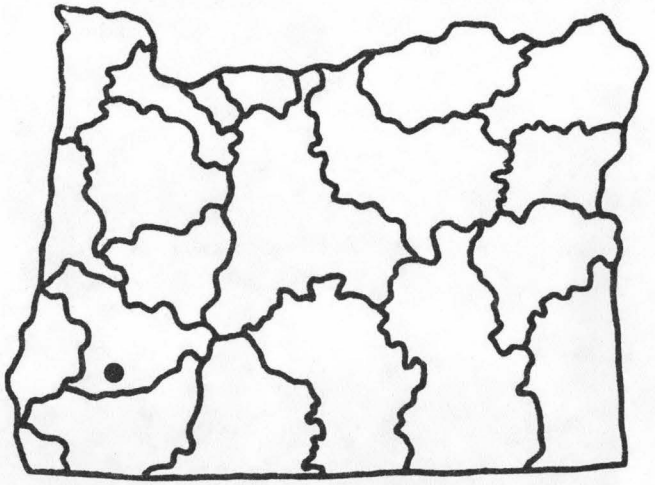
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	239.8	1.42	12.46	1.000
80	388.4	2.30	19.22	.952
50	1273.1	7.55	49.10	.742
30	2516.7	14.93	74.95	.573
10	5348.5	31.73	104.38	.376

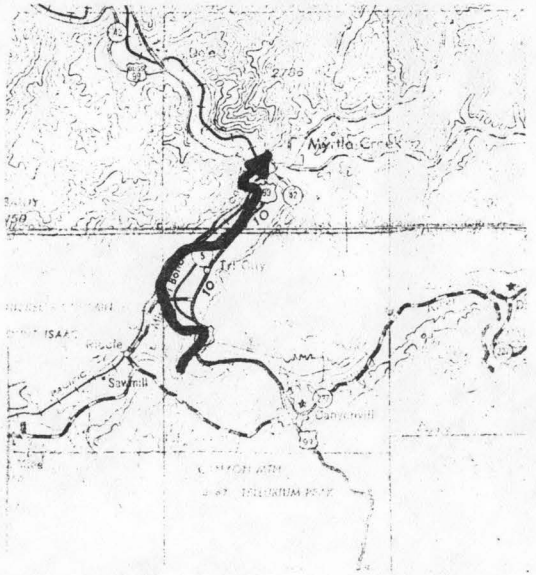
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2624 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.11, T30S, R6W
D.	Latitude, Longitude	42°56'N,123°23'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 6.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

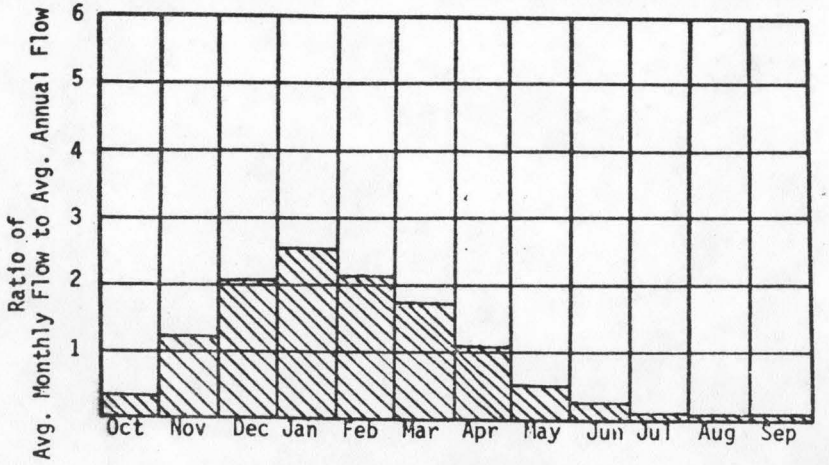
A.	Upstream Elevation of Reach	685	Ft. MSL
B.	Downstream Elevation of Reach	635	Ft. MSL
C.	Total Available Head in Reach	50	Ft.
D.	Average Slope in Reach	7.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	490.4	Sq.Mi.
F.	Inflow Classification	Natural	

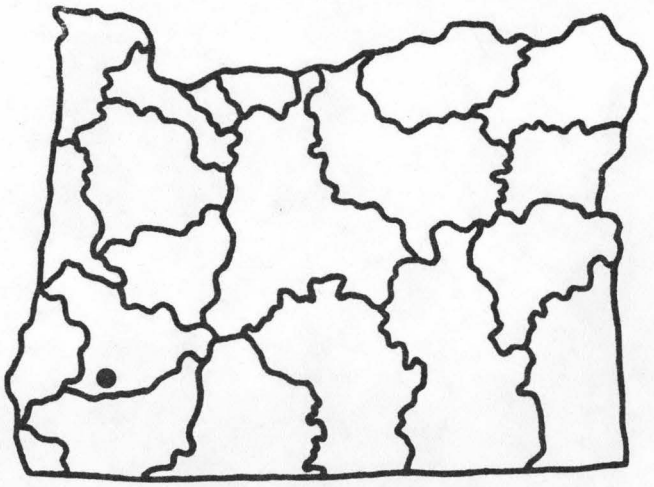
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	56.1	.24	2.08	1.000
80	101.3	.43	3.55	.944
50	422.9	1.79	11.31	.720
30	936.2	3.97	18.93	.545
10	2117.4	8.97	27.70	.352

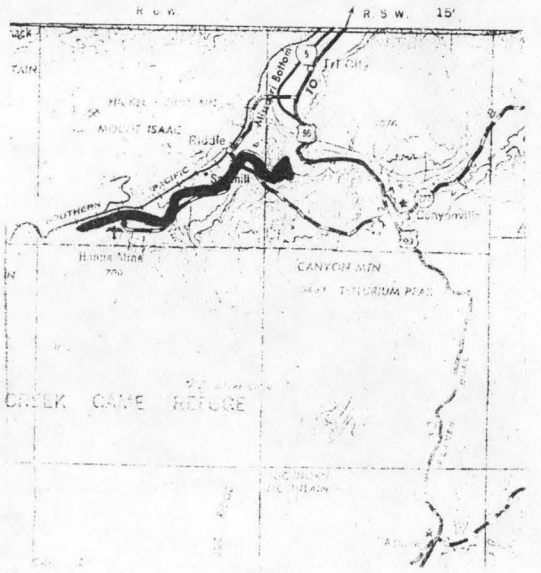
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1029 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.35, T30S, R7W
D.	Latitude, Longitude	42°55'N,123°31'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	6.7 to 17.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

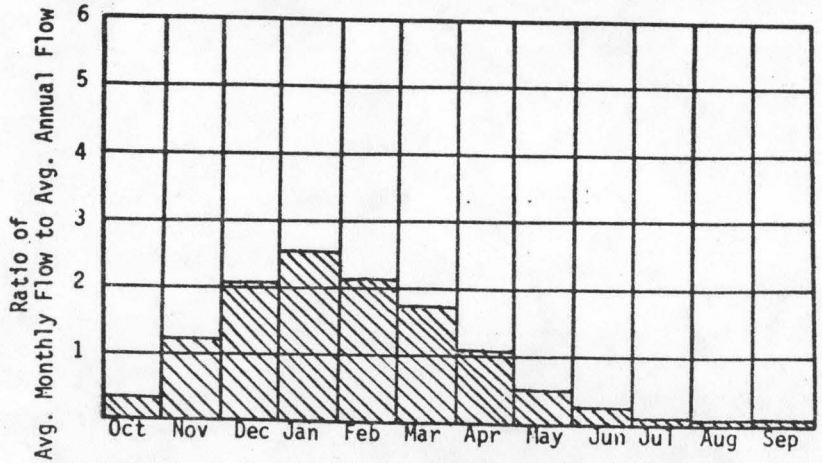
A.	Upstream Elevation of Reach	882	Ft. MSL
B.	Downstream Elevation of Reach	685	Ft. MSL
C.	Total Available Head in Reach	197	Ft.
D.	Average Slope in Reach	19.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	453.2	Sq.Mi.
F.	Inflow Classification	Natural	

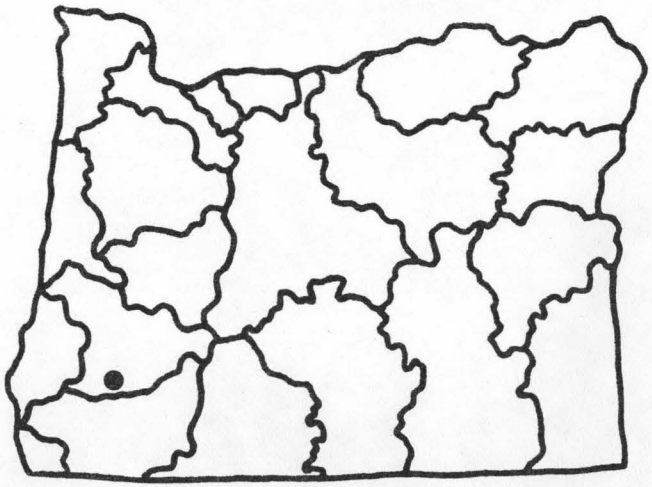
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	50.9	.85	7.44	1.000
80	92.4	1.54	12.76	.944
50	392.3	6.55	41.26	.719
30	875.2	14.61	69.51	.543
10	1987.9	33.19	102.06	.351

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 966 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.24, T31S, R8W
D.	Latitude, Longitude	42°56'N,123°37'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	17.0 to 26.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

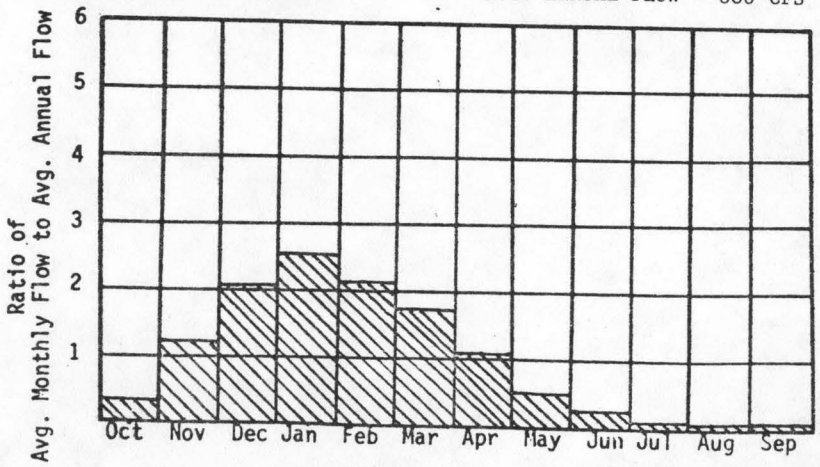
A.	Upstream Elevation of Reach	1066	Ft. MSL
B.	Downstream Elevation of Reach	882	Ft. MSL
C.	Total Available Head in Reach	184	Ft.
D.	Average Slope in Reach	19.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	417.6	Sq.Mi.
F.	Inflow Classification	Natural	

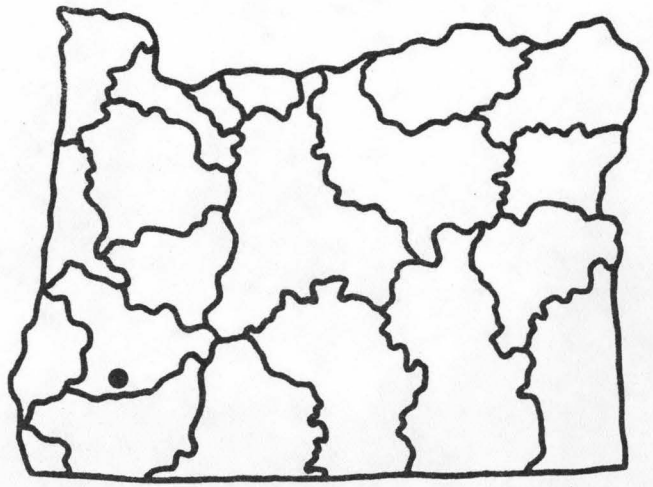
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	44.6	.69	6.09	1.000
80	81.8	1.27	10.53	.943
50	354.8	5.53	34.77	.718
30	799.8	12.47	59.09	.541
10	1826.9	28.49	87.15	.349

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 886 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-003-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.5, T32S, R8W
D.	Latitude, Longitude	42°49'N,123°41'W
E.	Stream Name	West Fork Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 9.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

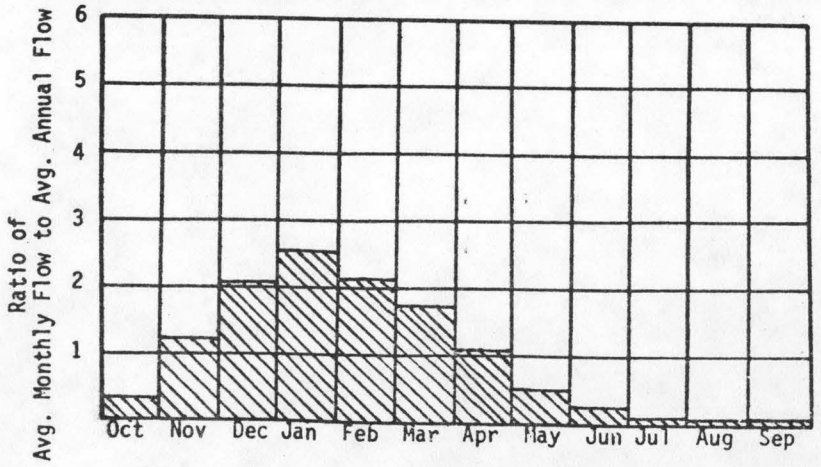
A.	Upstream Elevation of Reach	1350	Ft. MSL
B.	Downstream Elevation of Reach	1066	Ft. MSL
C.	Total Available Head in Reach	284	Ft.
D.	Average Slope in Reach	30.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	87.3	Sq.Mi.
F.	Inflow Classification	Natural	

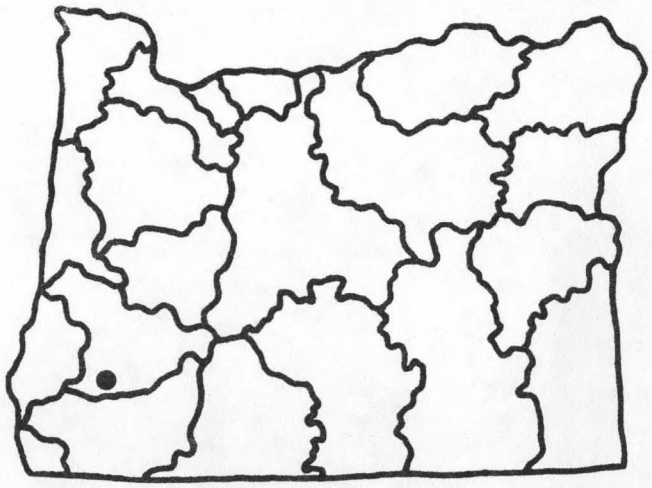
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.9	.12	1.04	1.000
80	10.6	.26	2.09	.933
50	66.6	1.60	9.76	.695
30	178.2	4.29	19.17	.510
10	447.5	10.77	30.53	.324

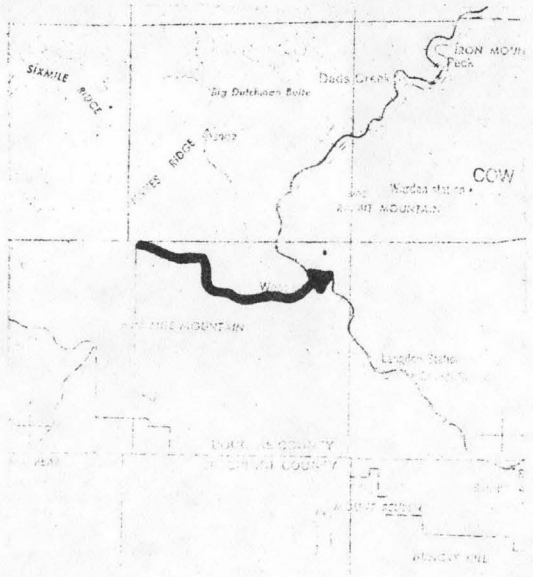
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 214 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: Medford



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-003-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.30, T31S, R9W
D.	Latitude, Longitude	42°50'N,123°50'W
E.	Stream Name	West Fork Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	9.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

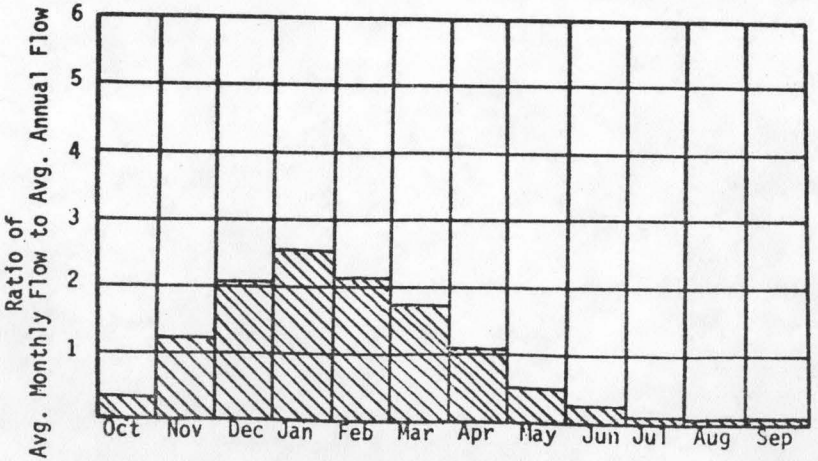
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	43.9	Sq.Mi.
F.	Inflow Classification	Natural	

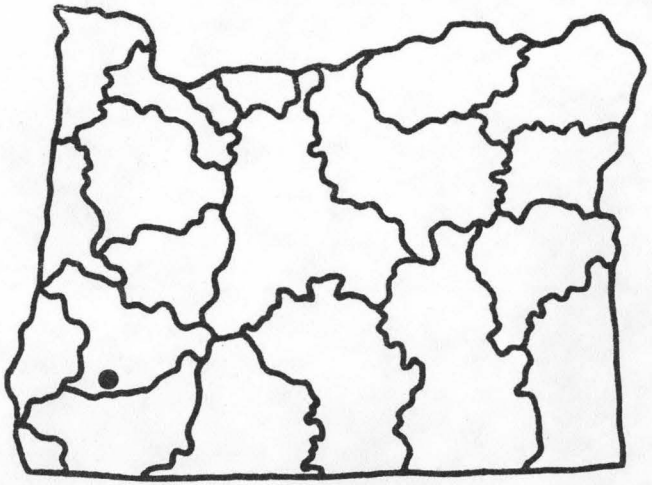
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.4	.01	.12	1.000
80	5.5	.03	.25	.930
50	38.9	.22	1.31	.690
30	109.9	.61	2.71	.502
10	284.6	1.59	4.42	.317

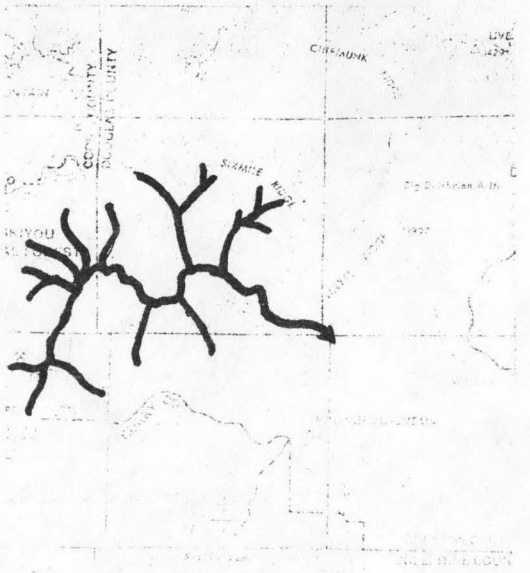
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 135 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

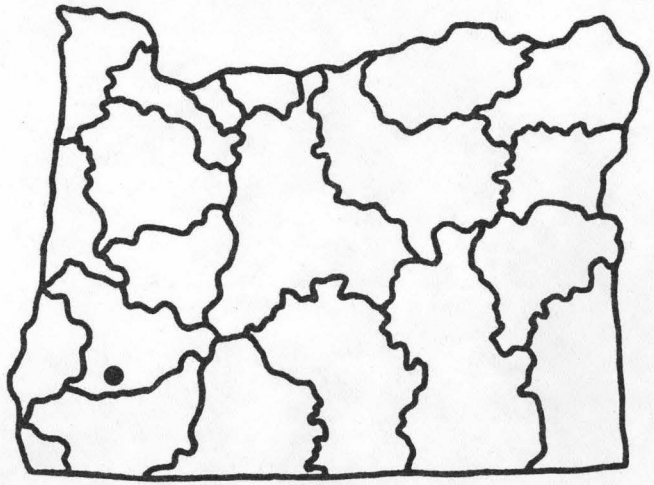


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.1, T32S, R8W
D.	Latitude, Longitude	42°48'N,123°37'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	26.6 to 26.9



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

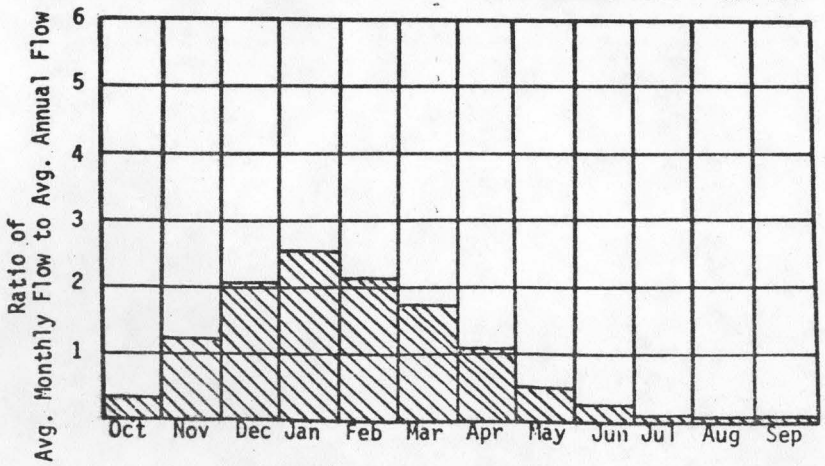
A.	Upstream Elevation of Reach	1072	Ft. MSL
B.	Downstream Elevation of Reach	1066	Ft. MSL
C.	Total Available Head in Reach	6	Ft.
D.	Average Slope in Reach	20.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	291.2	Sq.Mi.
F.	Inflow Classification	Natural	

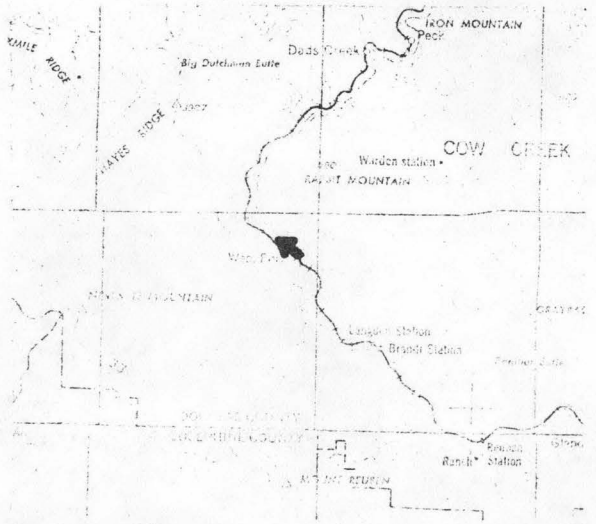
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	21.5	.01	.10	1.000
80	41.6	.02	.17	.940
50	203.7	.10	.64	.709
30	486.2	.25	1.15	.530
10	1146.0	.58	1.73	.340

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 554 CFS



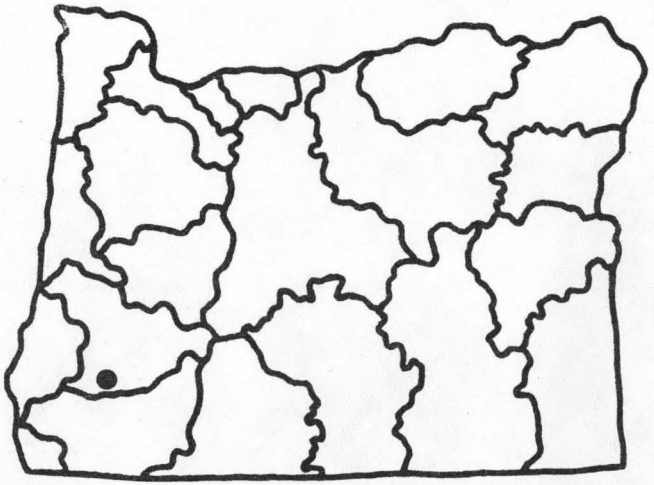


REACH HYDRO POTENTIAL CHARACTERISTICS

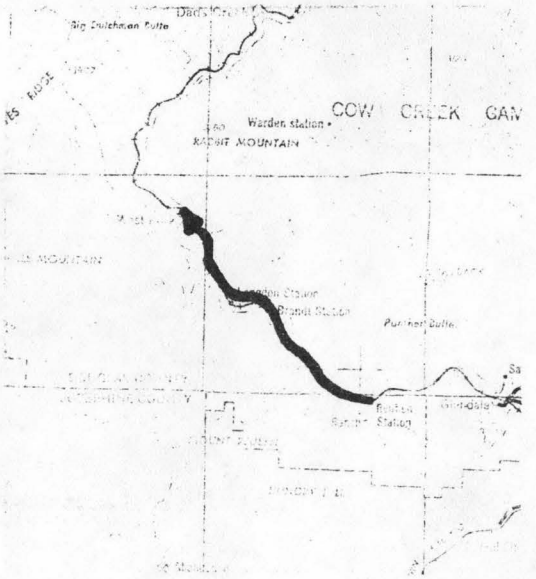
REACH # 02-700-200-013-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.20, T32S, R7W
D.	Latitude, Longitude	42°46'N,123°34'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	26.9 to 36.1



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

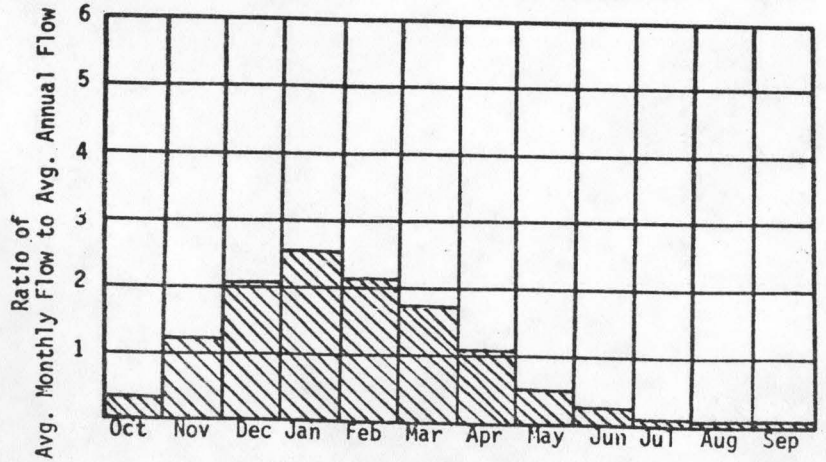
A.	Upstream Elevation of Reach	1248	Ft. MSL
B.	Downstream Elevation of Reach	1072	Ft. MSL
C.	Total Available Head in Reach	176	Ft.
D.	Average Slope in Reach	19.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	248.0	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.0	.22	1.96	1.000
80	29.9	.45	3.66	.938
50	155.5	2.32	14.33	.705
30	381.6	5.69	26.15	.524
10	913.4	13.62	40.05	.336

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 440 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.31, T32S, R6W
D.	Latitude, Longitude	42°45'N,123°27'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	36.1 to 41.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

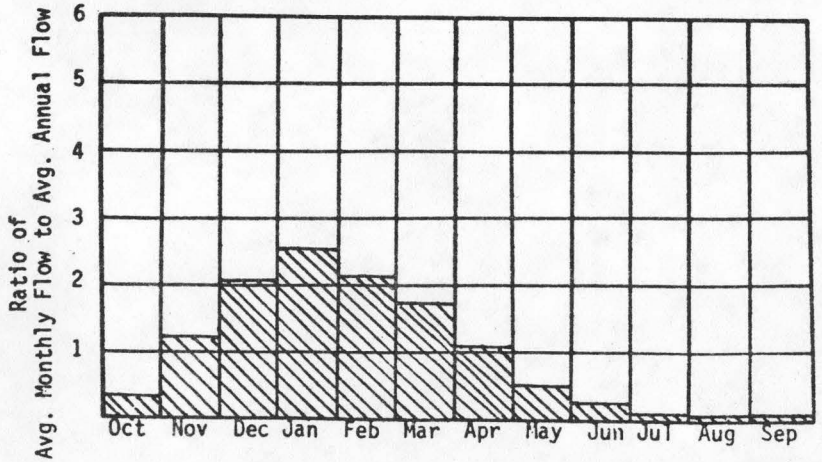
A.	Upstream Elevation of Reach	1353	Ft. MSL
B.	Downstream Elevation of Reach	1248	Ft. MSL
C.	Total Available Head in Reach	105	Ft.
D.	Average Slope in Reach	19.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	204.1	Sq.Mi.
F.	Inflow Classification	Natural	

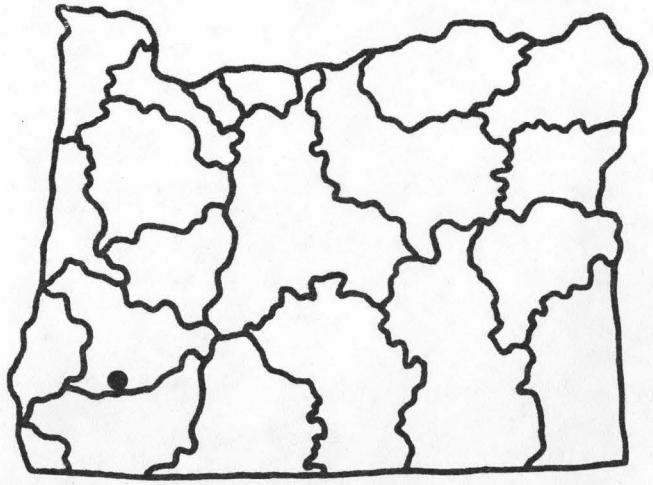
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.2	.11	.95	1.000
80	24.6	.22	1.80	.937
50	132.6	1.18	7.27	.703
30	330.7	2.94	13.45	.522
10	798.7	7.11	20.74	.333

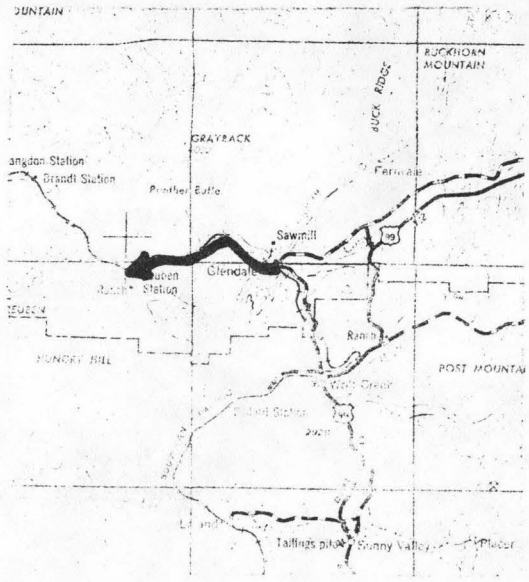
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 384 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.25, T32S, R6W
D.	Latitude, Longitude	42°45'N,123°21'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	41.6 to 51.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

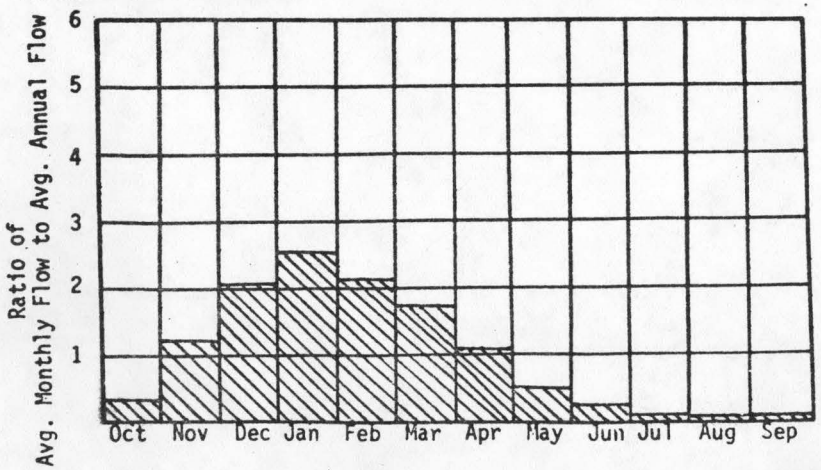
A.	Upstream Elevation of Reach	1539	Ft. MSL
B.	Downstream Elevation of Reach	1353	Ft. MSL
C.	Total Available Head in Reach	186	Ft.
D.	Average Slope in Reach	19.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	156.1	Sq.Mi.
F.	Inflow Classification	Natural	

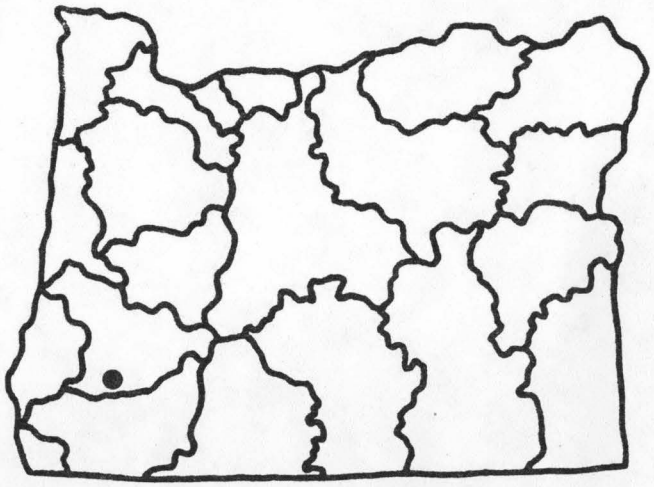
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.1	.13	1.11	1.000
80	16.8	.26	2.17	.935
50	97.0	1.53	9.37	.699
30	249.8	3.94	17.81	.516
10	614.0	9.68	27.86	.329

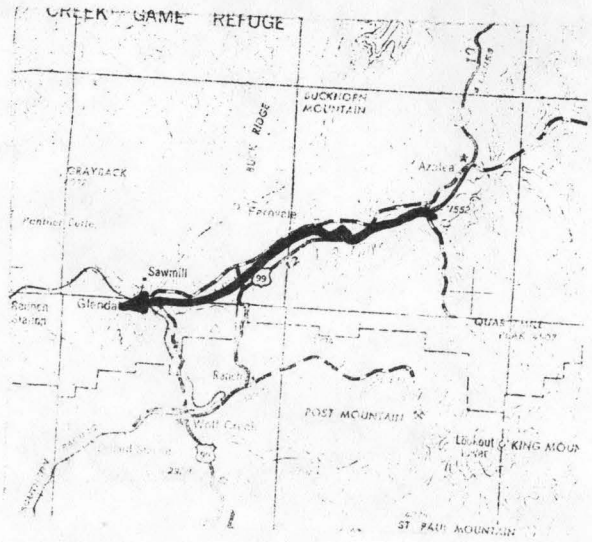
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 294 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

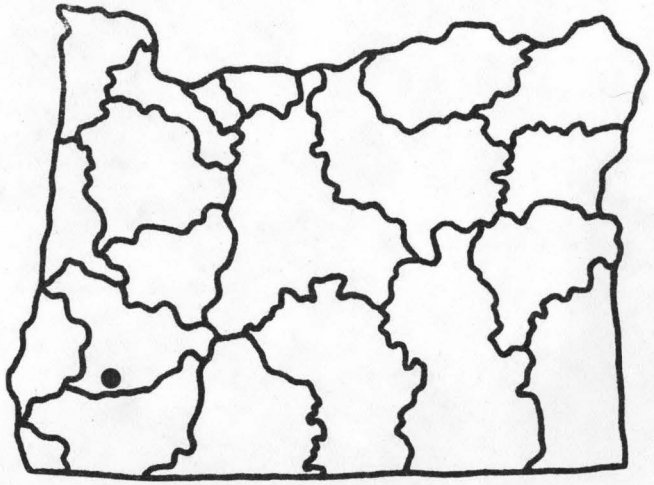


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.4, T32S, R4W
D.	Latitude, Longitude	42°49'N,123°12'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	51.3 to 64.0



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

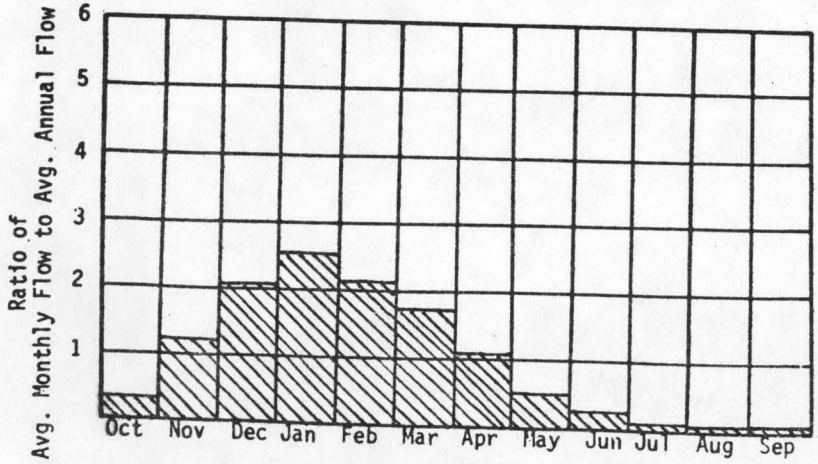
A.	Upstream Elevation of Reach	1750	Ft. MSL
B.	Downstream Elevation of Reach	1539	Ft. MSL
C.	Total Available Head in Reach	211	Ft.
D.	Average Slope in Reach	16.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	116.6	Sq.Mi.
F.	Inflow Classification	Natural	

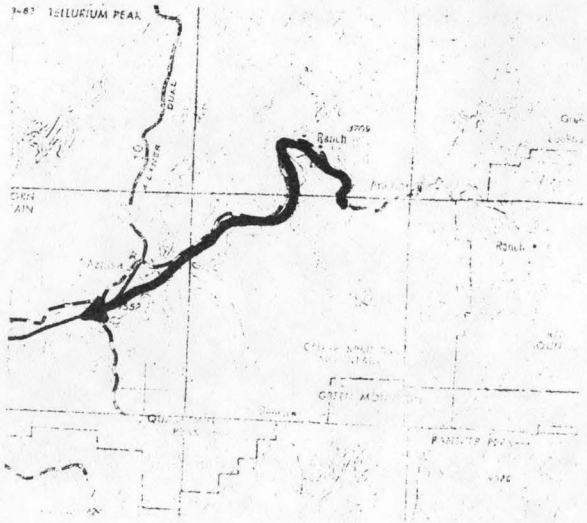
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.07	.64	1.000
80	8.9	.16	1.30	.932
50	57.6	1.03	6.26	.694
30	156.5	2.80	12.46	.508
10	396.3	7.09	19.97	.322

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 190 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-013-000-R0009

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.2, T32S, R3W
D.	Latitude, Longitude	42°49'N,123°01'W
E.	Stream Name	Cow Creek
F.	Major Basin Name	Umpqua
G.	River Mile	64.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

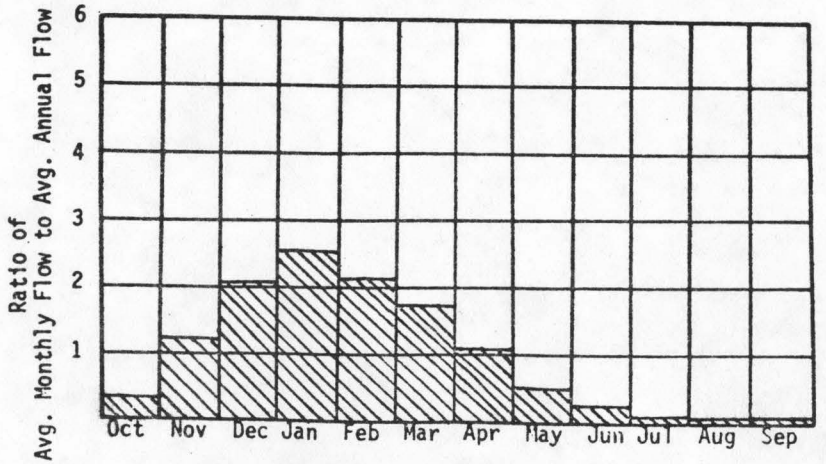
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	67.5	Sq.Mi.
F.	Inflow Classification	Natural	

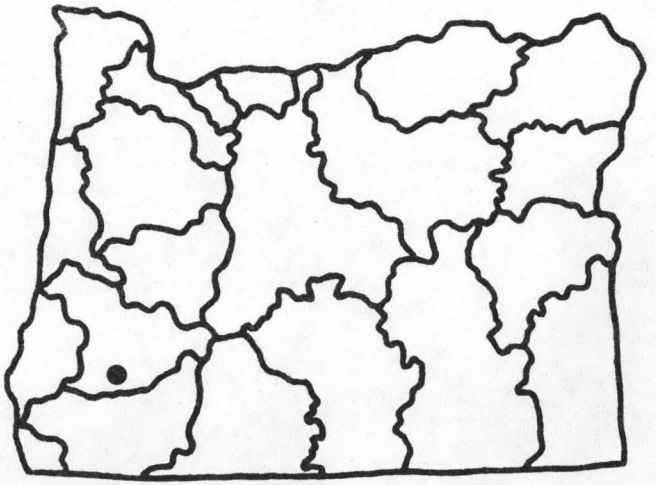
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.5	.01	.12	1.000
80	5.7	.03	.26	.930
50	40.0	.22	1.35	.690
30	112.9	.63	2.78	.503
10	291.6	1.63	4.53	.317

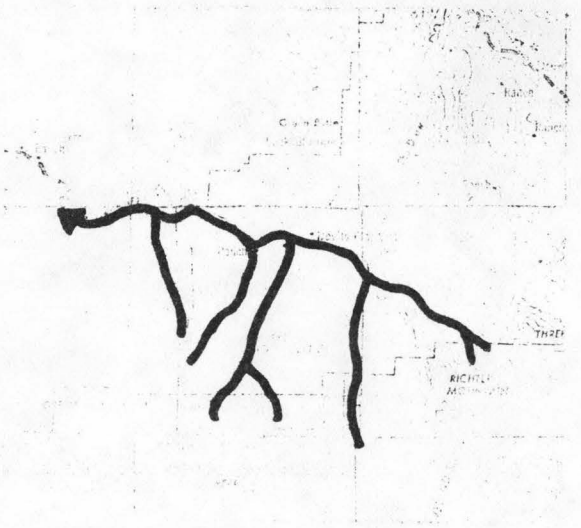
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 139 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.20, T30S, R5W
D.	Latitude, Longitude	42°57'N,123°19'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	47.2 to 51.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

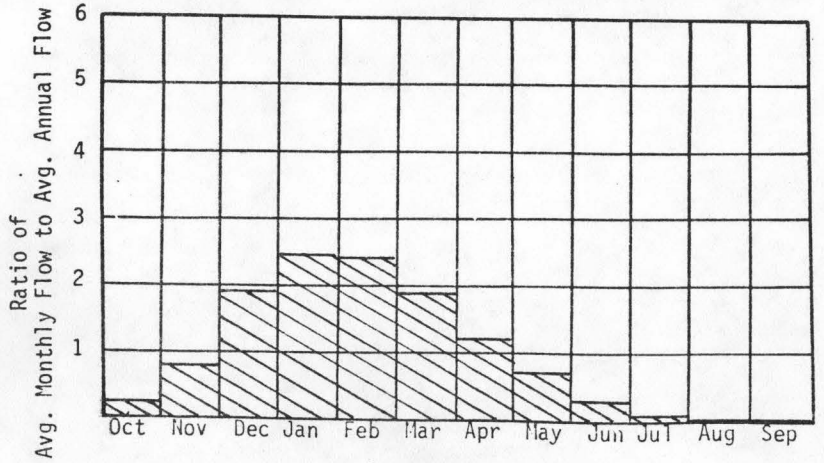
A.	Upstream Elevation of Reach	680	Ft. MSL
B.	Downstream Elevation of Reach	635	Ft. MSL
C.	Total Available Head in Reach	45	Ft.
D.	Average Slope in Reach	11.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	749.4	Sq.Mi.
F.	Inflow Classification	Natural	

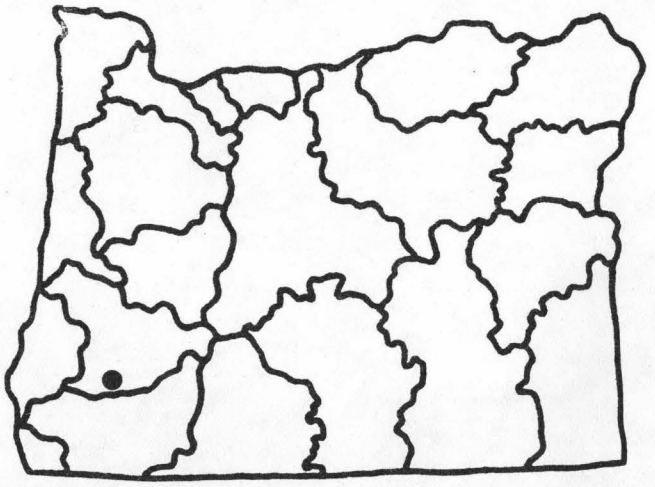
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	96.7	.37	3.23	1.000
80	167.6	.64	5.30	.947
50	639.0	2.44	15.54	.728
30	1355.9	5.17	25.12	.555
10	2996.0	11.43	36.08	.360

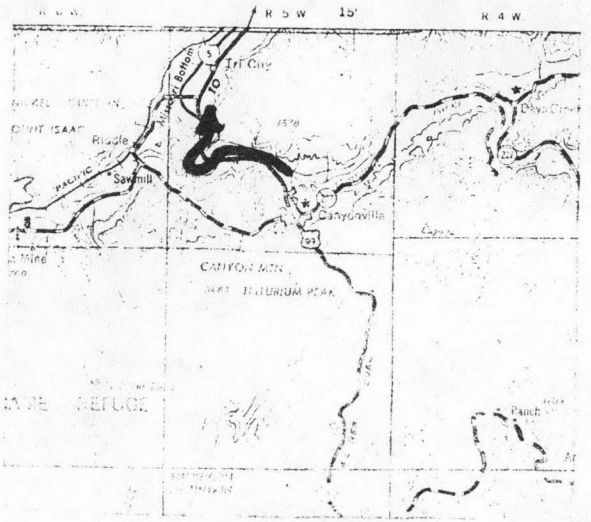
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1462 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

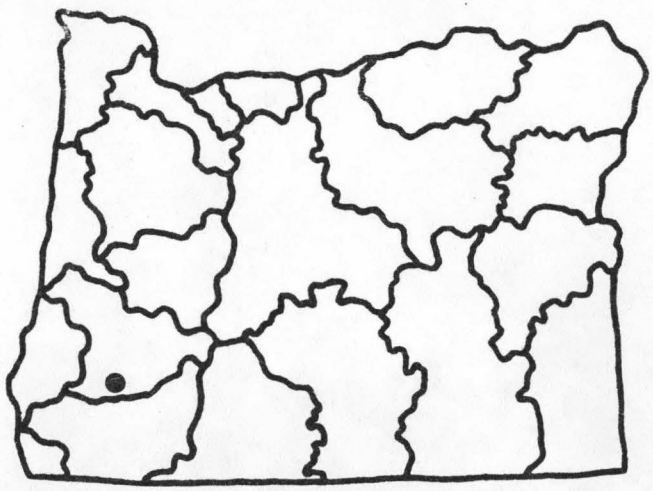


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.7, T32S, R4W
D.	Latitude, Longitude	42°49'N,123°14'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	51.2 to 58.2



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	750	Ft. MSL
B.	Downstream Elevation of Reach	680	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	10.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	705.6	Sq.Mi.
F.	Inflow Classification	Natural	

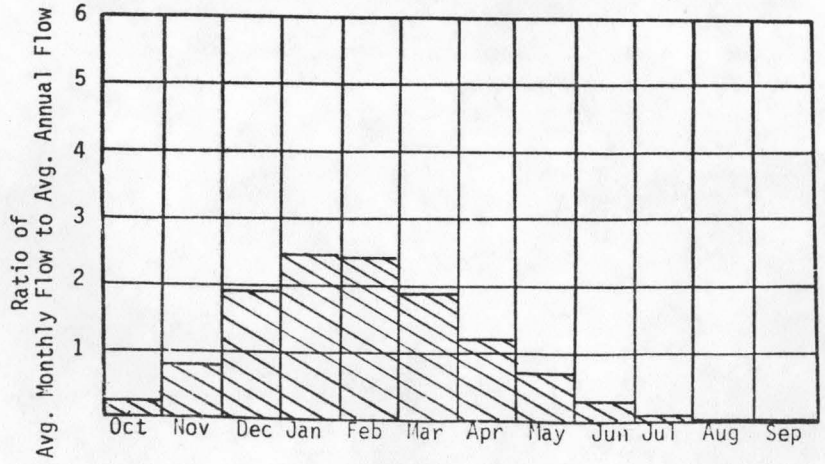
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

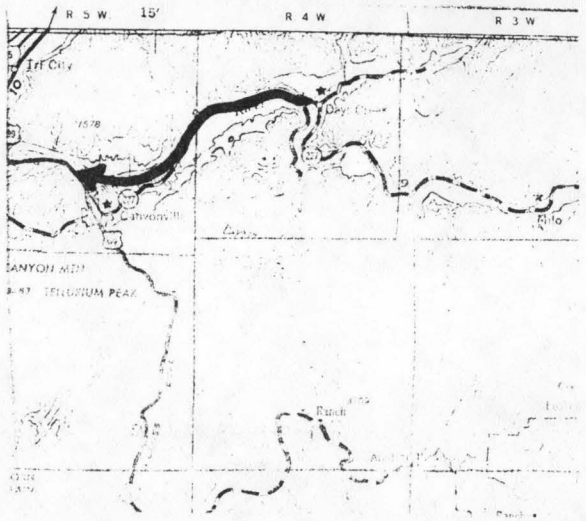
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	86.9	.52	4.52	1.000
80	151.8	.90	7.47	.947
50	589.1	3.49	22.24	.726
30	1260.6	7.48	36.20	.553
10	2798.3	16.60	52.18	.359

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1364 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.26, T30S, R4W
D.	Latitude, Longitude	42°56'N,123°09'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	58.2 to 68.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

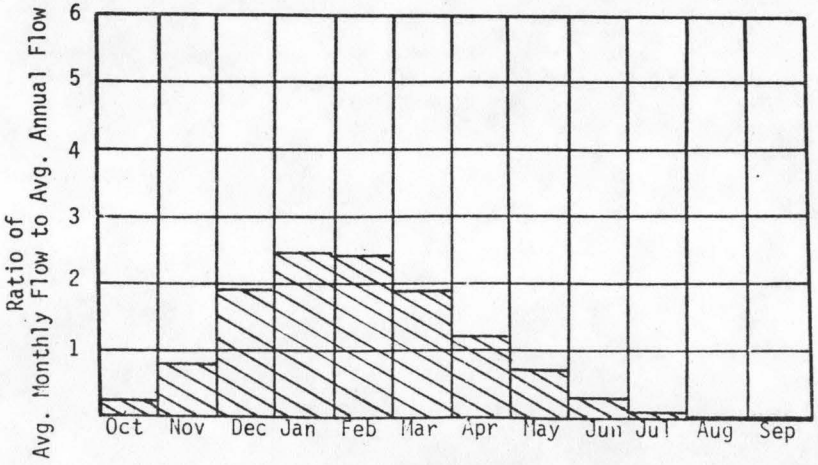
A.	Upstream Elevation of Reach	875	Ft. MSL
B.	Downstream Elevation of Reach	750	Ft. MSL
C.	Total Available Head in Reach	125	Ft.
D.	Average Slope in Reach	12.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	637.9	Sq.Mi.
F.	Inflow Classification	Natural	

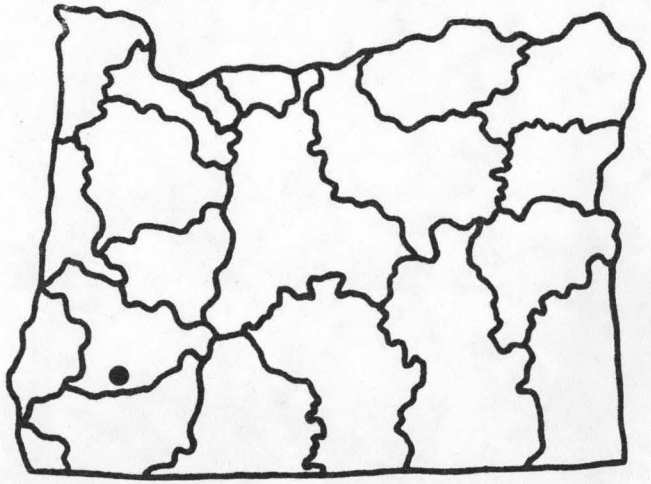
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	75.0	.80	6.96	1.000
80	132.5	1.40	11.63	.946
50	527.1	5.58	35.43	.724
30	1140.9	12.09	58.21	.550
10	2548.5	27.00	84.34	.357

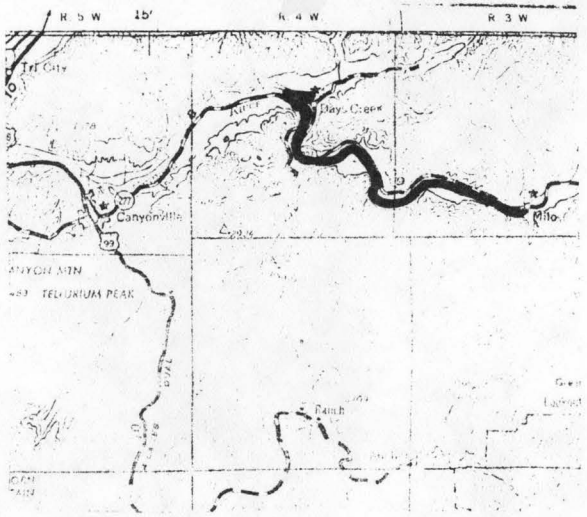
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1240 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0009

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.26, T30S, R3W	
D. Latitude, Longitude	42°56'N,123°01'W	
E. Stream Name	South Umpqua River	
F. Major Basin Name	Umpqua	
G. River Mile	68.6 to 72.3	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

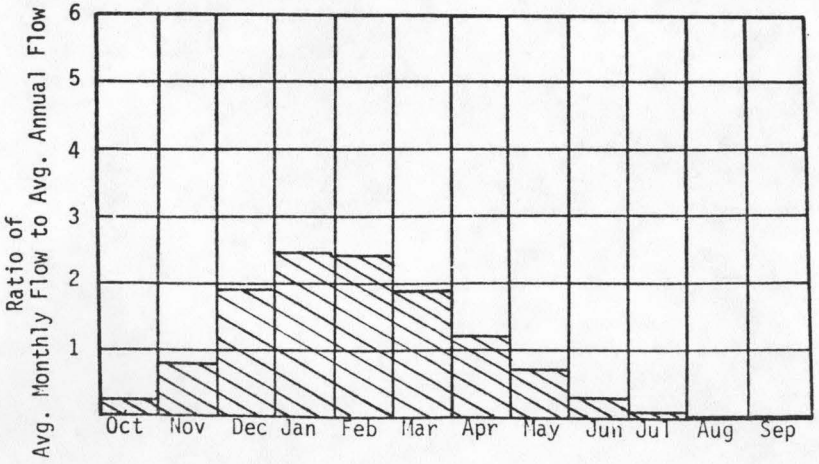
A. Upstream Elevation of Reach	930	Ft. MSL
B. Downstream Elevation of Reach	875	Ft. MSL
C. Total Available Head in Reach	55	Ft.
D. Average Slope in Reach	14.9	Ft./Mi.
E. Drainage Area above Reach Mouth	568.7	Sq.Mi.
F. Inflow Classification	Natural	

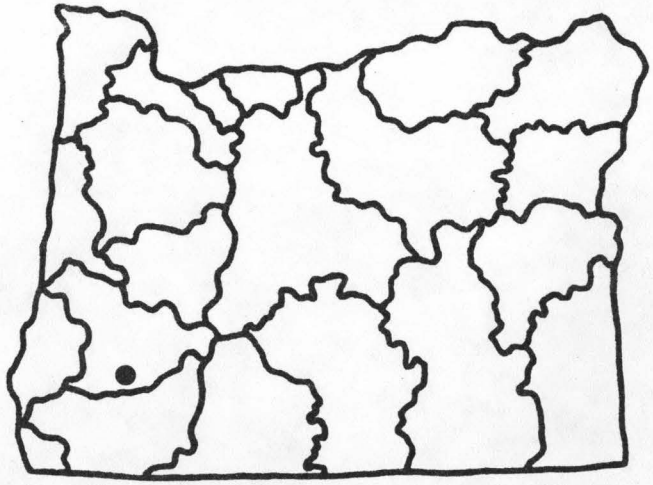
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	67.0	.31	2.73	1.000
80	119.2	.56	4.60	.945
50	483.4	2.25	14.27	.723
30	1055.6	4.92	23.61	.548
10	2369.6	11.04	34.34	.355

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1153 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0010

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.32, T30S, R2W
D.	Latitude, Longitude	43°55'N,122°59'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	72.3 to 75.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

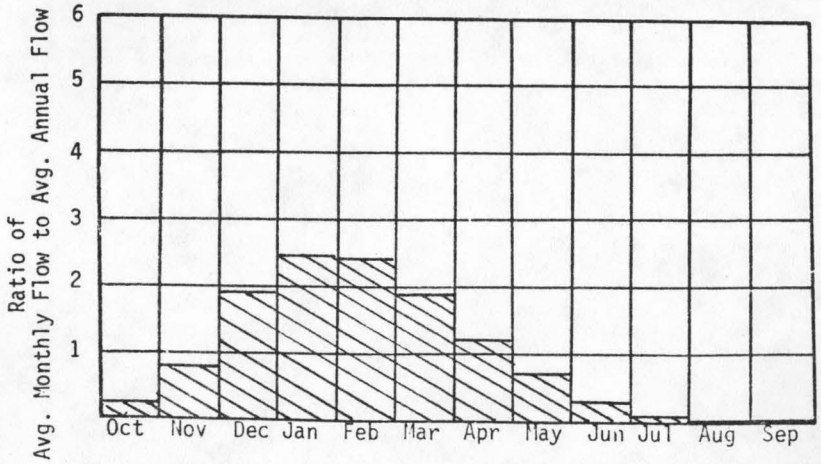
A.	Upstream Elevation of Reach	990	Ft. MSL
B.	Downstream Elevation of Reach	930	Ft. MSL
C.	Total Available Head in Reach	60	Ft.
D.	Average Slope in Reach	20.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	541.8	Sq.Mi.
F.	Inflow Classification	Natural	

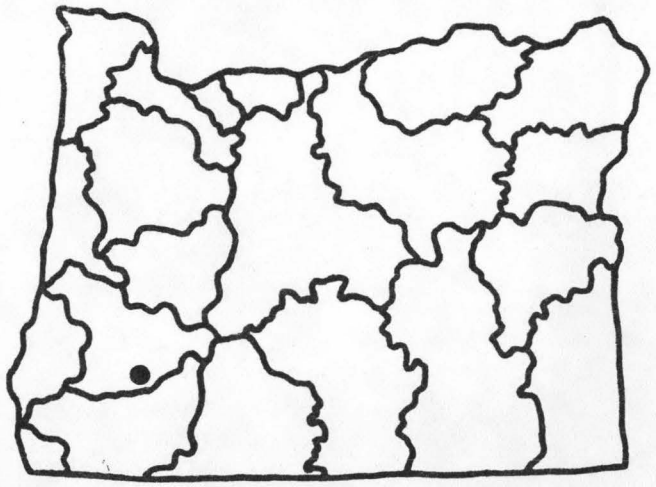
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	62.4	.32	2.78	1.000
80	111.6	.57	4.70	.945
50	458.0	2.33	14.72	.722
30	1005.6	5.11	24.48	.547
10	2264.2	11.51	35.69	.354

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1101 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
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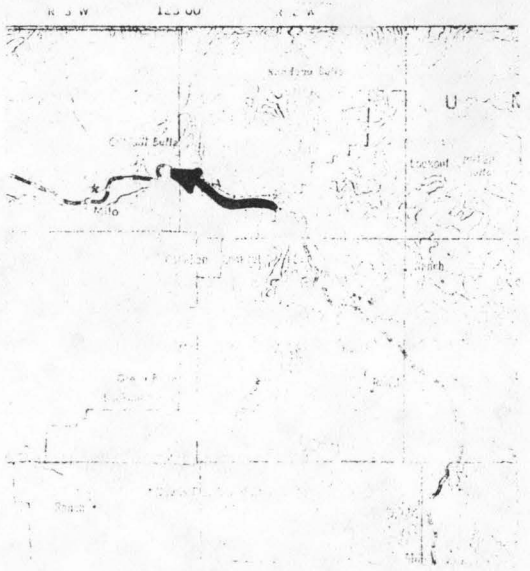


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-019-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.3, T31S, R2W
D.	Latitude, Longitude	43°54'N,123°51'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 4.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

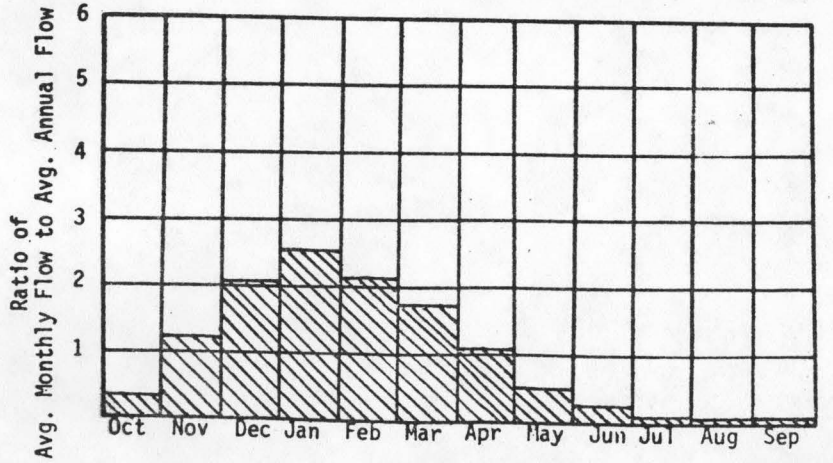
A.	Upstream Elevation of Reach	1295	Ft. MSL
B.	Downstream Elevation of Reach	990	Ft. MSL
C.	Total Available Head in Reach	305	Ft.
D.	Average Slope in Reach	76.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	80.1	Sq.Mi.
F.	Inflow Classification	Natural	

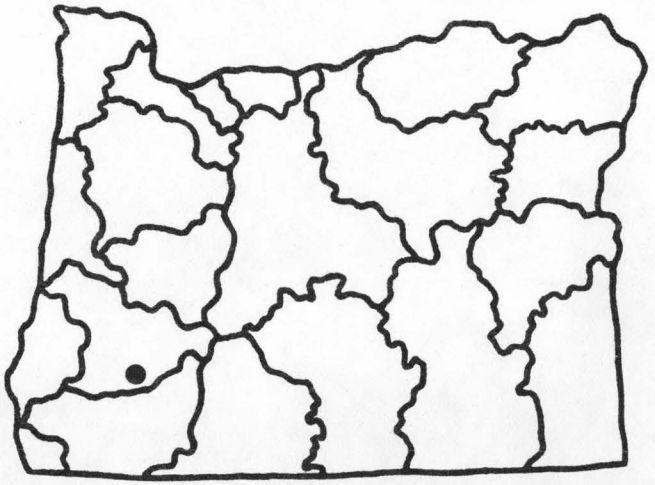
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.0	.08	.67	1.000
80	6.6	.17	1.40	.931
50	45.3	1.17	7.09	.691
30	126.2	3.26	14.42	.505
10	323.8	8.37	23.37	.319

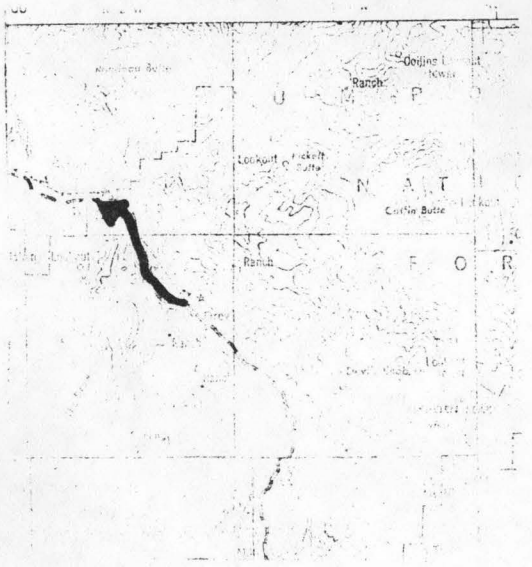
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 154 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-019-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.29, T31S, R1W
D.	Latitude, Longitude	42°50'N.122°51'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Umpqua
G.	River Mile	4.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

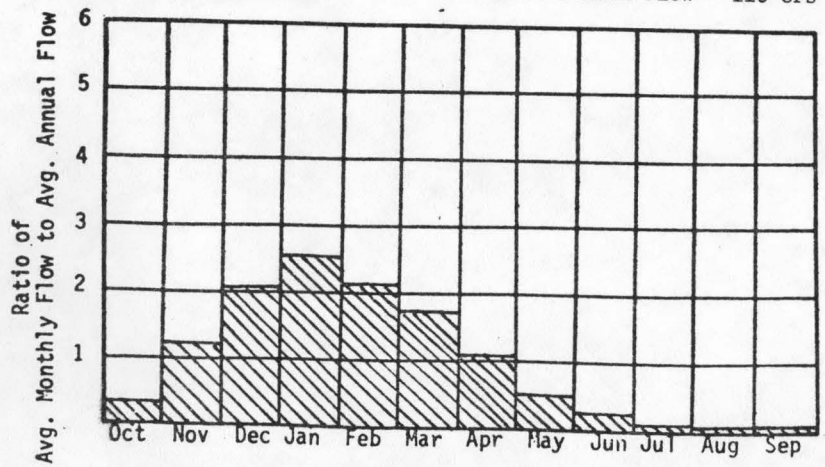
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	54.6	Sq.Mi.
F.	Inflow Classification	Natural	

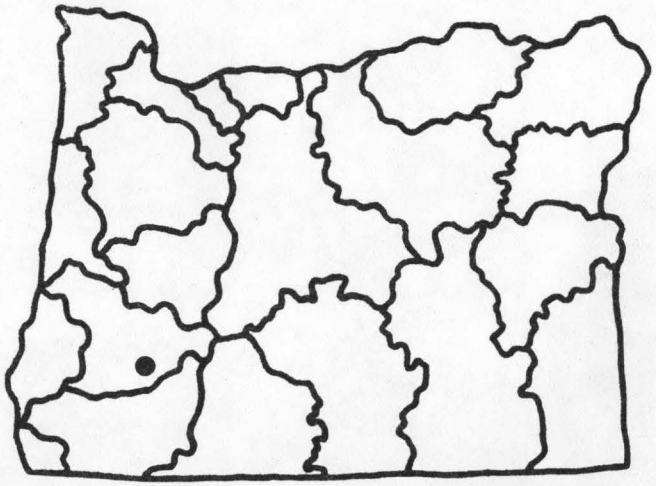
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.9	.01	.09	1.000
80	4.4	.02	.20	.929
50	32.5	.18	1.10	.688
30	93.8	.52	2.30	.500
10	245.1	1.37	3.78	.315

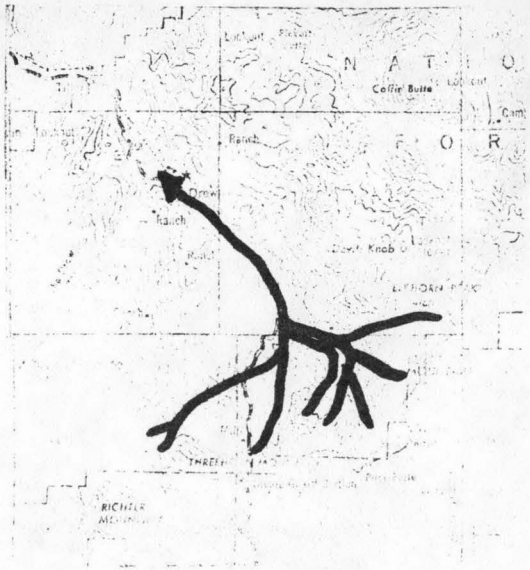
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 116 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0011

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.23, T30S, R2W
D.	Latitude, Longitude	42°57'N,122°54'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	75.3 to 80.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

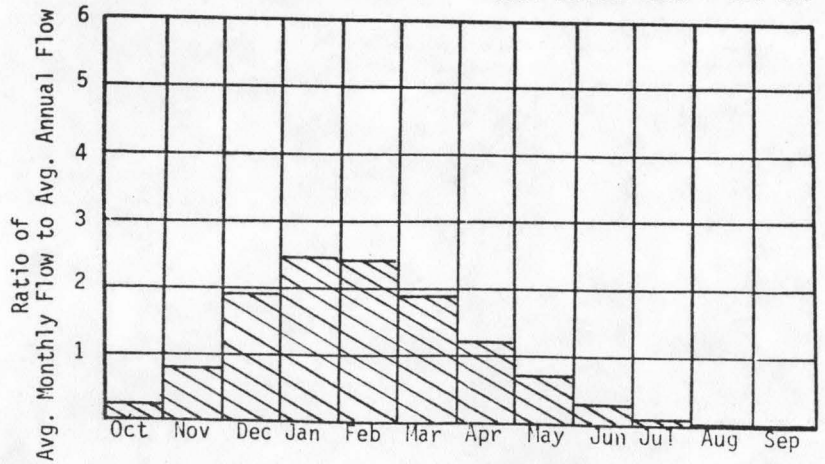
A.	Upstream Elevation of Reach	1114	Ft. MSL
B.	Downstream Elevation of Reach	990	Ft. MSL
C.	Total Available Head in Reach	124	Ft.
D.	Average Slope in Reach	22.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	449.1	Sq.Mi.
F.	Inflow Classification	Natural	

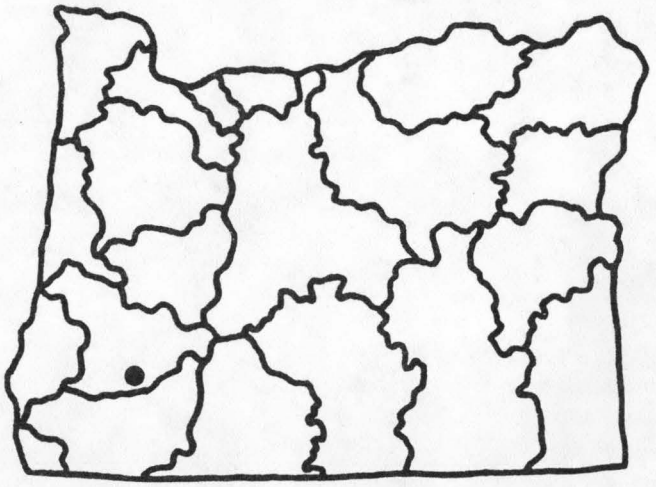
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	44.7	.47	4.12	1.000
80	82.0	.86	7.12	.943
50	355.7	3.74	23.50	.718
30	801.7	8.42	39.92	.541
10	1831.0	19.24	58.87	.349

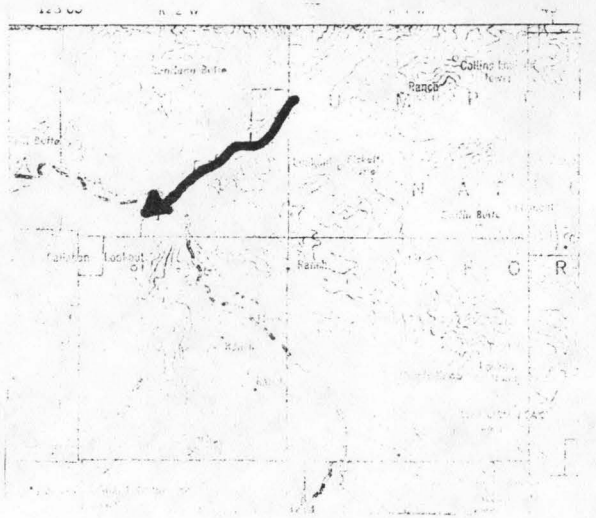
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 888 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-025-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.20, T30S, R1W
D.	Latitude, Longitude	42°57'N,122°51'W
E.	Stream Name	Jackson Creek
F.	Major Basin Name	Umpqua
G.	River Mile	0.0 to 3.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

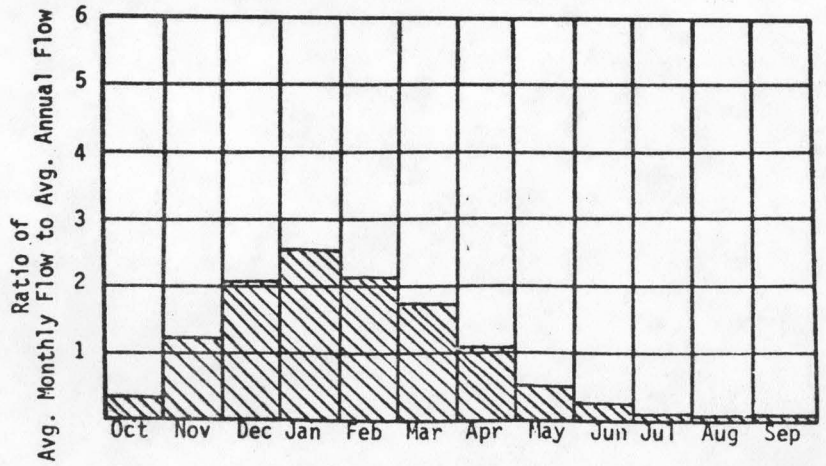
A.	Upstream Elevation of Reach	1340	Ft. MSL
B.	Downstream Elevation of Reach	1114	Ft. MSL
C.	Total Available Head in Reach	226	Ft.
D.	Average Slope in Reach	62.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	160.1	Sq.Mi.
F.	Inflow Classification	Natural	

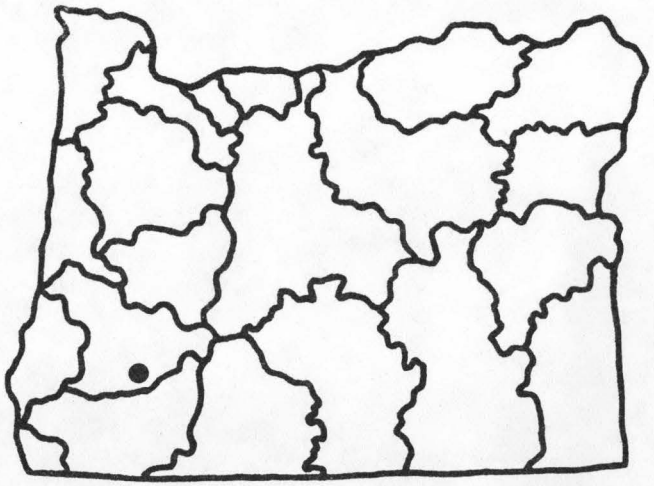
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.3	.16	1.39	1.000
80	17.2	.33	2.70	.935
50	98.7	1.89	11.59	.700
30	253.9	4.86	22.00	.517
10	623.4	11.94	34.40	.329

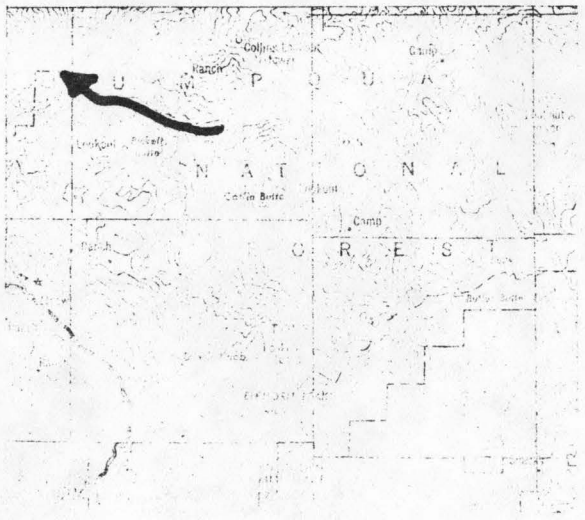
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 299 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-025-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.18, T30S, R1E
D.	Latitude, Longitude	42°57'N,122°44'W
E.	Stream Name	Jackson Creek
F.	Major Basin Name	Umpqua
G.	River Mile	3.6 to 9.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

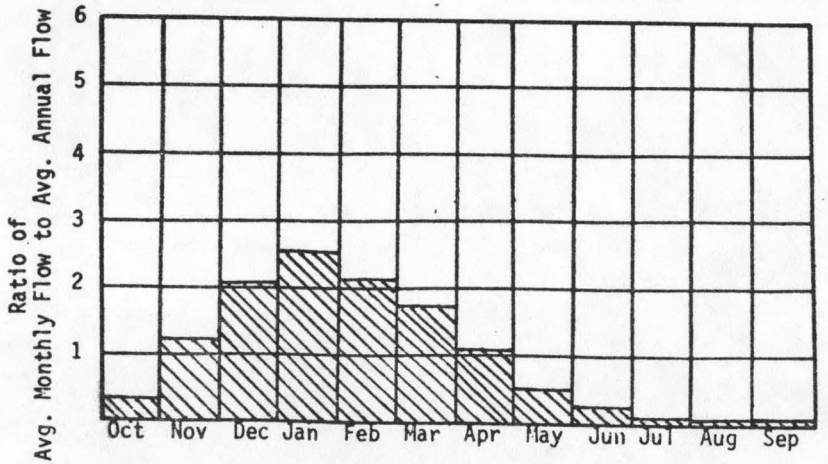
A.	Upstream Elevation of Reach	2200	Ft. MSL
B.	Downstream Elevation of Reach	1340	Ft. MSL
C.	Total Available Head in Reach	860	Ft.
D.	Average Slope in Reach	159	Ft./Mi.
E.	Drainage Area above Reach Mouth	116.7	Sq.Mi.
F.	Inflow Classification	Natural	

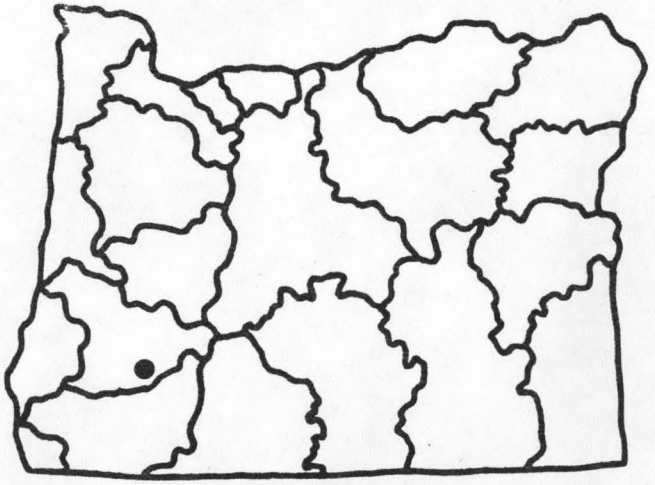
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.0	.29	2.55	1.000
80	8.8	.64	5.21	.932
50	56.8	4.14	25.15	.693
30	154.6	11.27	50.12	.508
10	391.6	28.54	80.39	.322

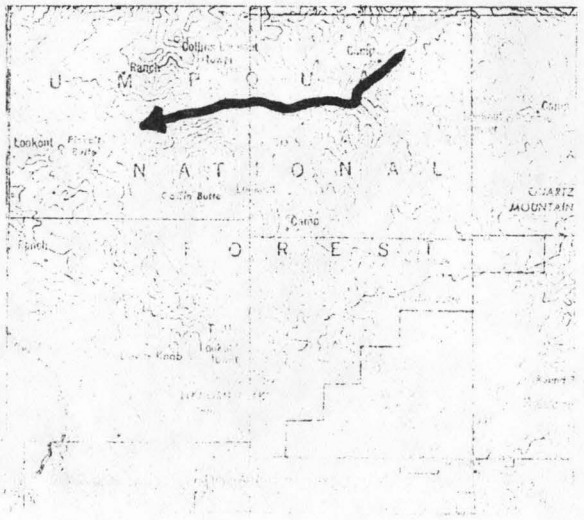
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 187 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD

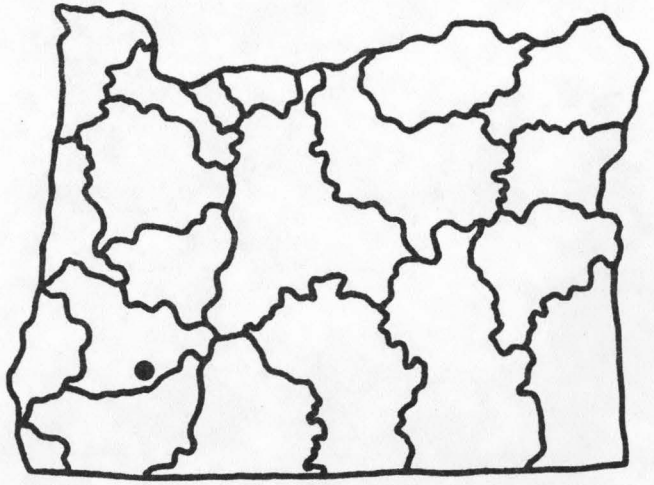


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-025-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.4, T30S, R2E
D.	Latitude, Longitude	42°59'N, 122°35'W
E.	Stream Name	Jackson Creek
F.	Major Basin Name	Umpqua
G.	River Mile	9.0 to H.W.



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	79.8	Sq.Mi.
F.	Inflow Classification	Natural	

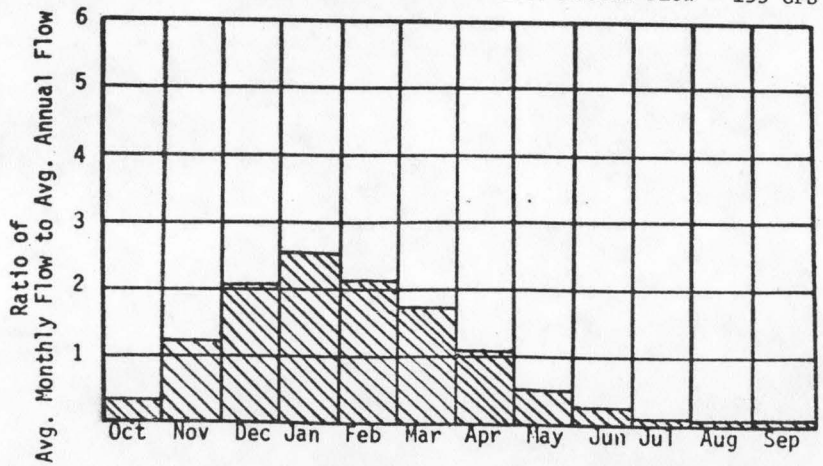
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

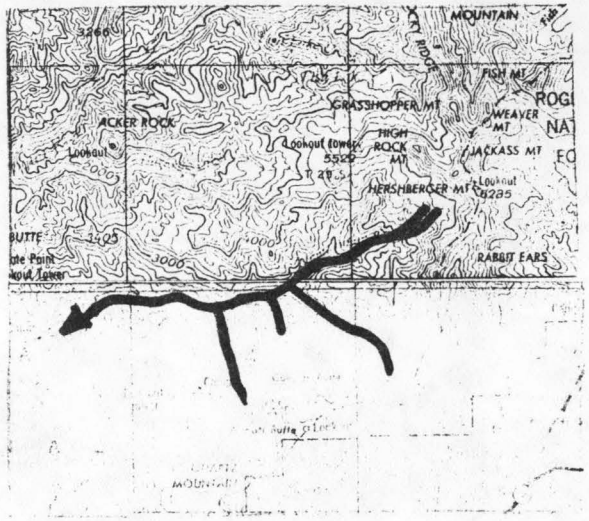
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.0	.02	.15	1.000
80	6.7	.04	.30	.931
50	45.5	.25	1.54	.691
30	126.6	.71	3.13	.505
10	324.9	1.82	5.07	.319

U.S.G.S. TOPO. SERIES
1:250.000 SCALE
MAP NAME: MEDFORD

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 155 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0012

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.4, T30S, R1W
D.	Latitude, Longitude	43°00'N,122°45'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	80.9 to 87.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

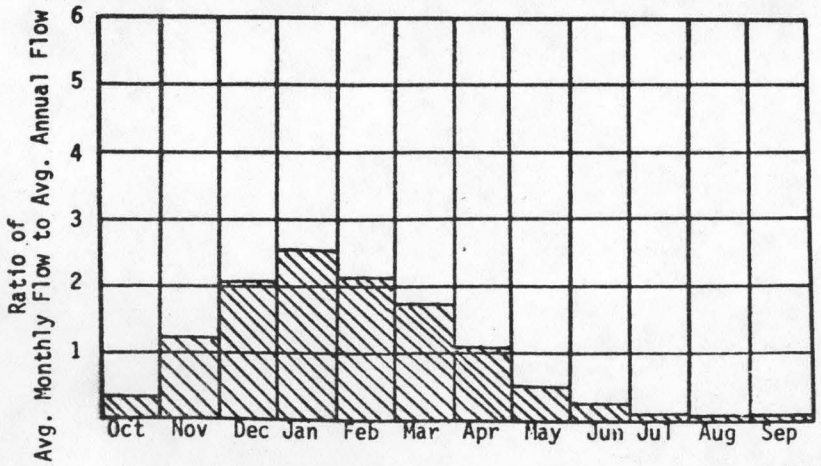
A.	Upstream Elevation of Reach	1320	Ft. MSL
B.	Downstream Elevation of Reach	1114	Ft. MSL
C.	Total Available Head in Reach	206	Ft.
D.	Average Slope in Reach	30.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	245.3	Sq.Mi.
F.	Inflow Classification	Natural	

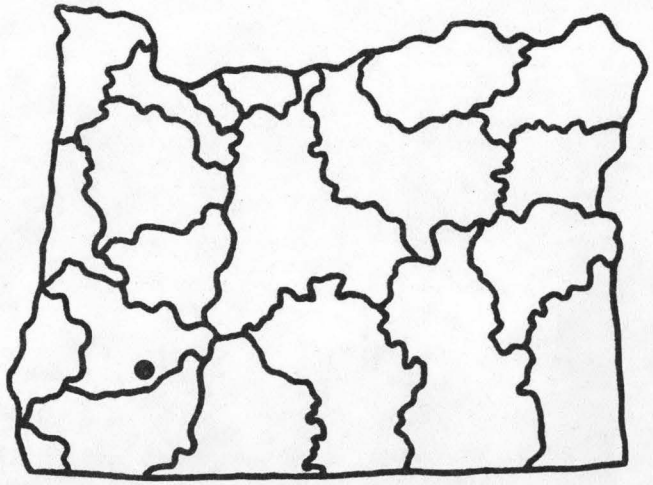
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	16.2	.28	2.48	1.000
80	32.1	.56	4.60	.938
50	164.7	2.87	17.78	.706
30	401.7	7.01	32.28	.525
10	958.3	16.73	49.31	.336

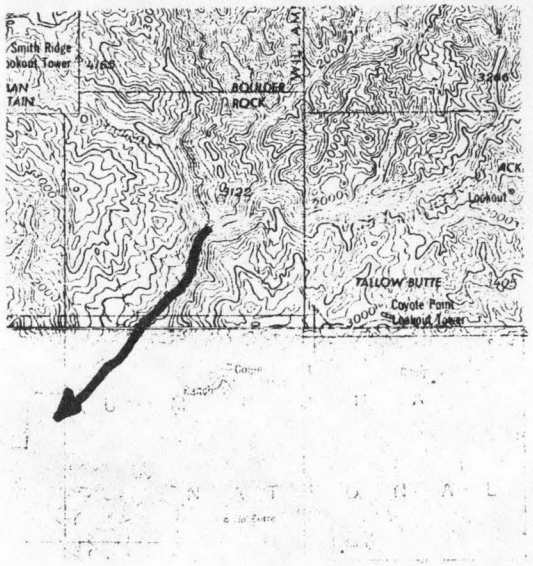
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 462 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0013

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.23, T29S, R1W
D.	Latitude, Longitude	43°02'N,122°46'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	87.6 to 89.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

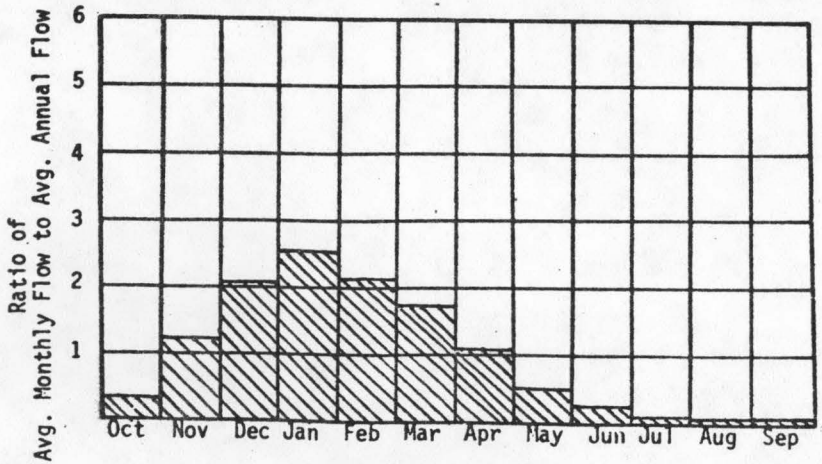
A.	Upstream Elevation of Reach	1385	Ft. MSL
B.	Downstream Elevation of Reach	1320	Ft. MSL
C.	Total Available Head in Reach	65	Ft.
D.	Average Slope in Reach	32.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	194.9	Sq.Mi.
F.	Inflow Classification	Natural	

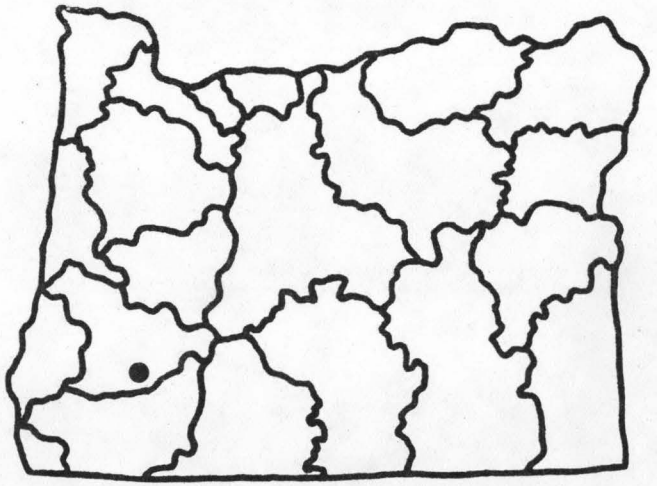
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.5	.06	.55	1.000
80	23.2	.13	1.05	.937
50	126.5	.70	4.29	.703
30	317.0	1.75	7.97	.521
10	767.6	4.23	12.32	.332

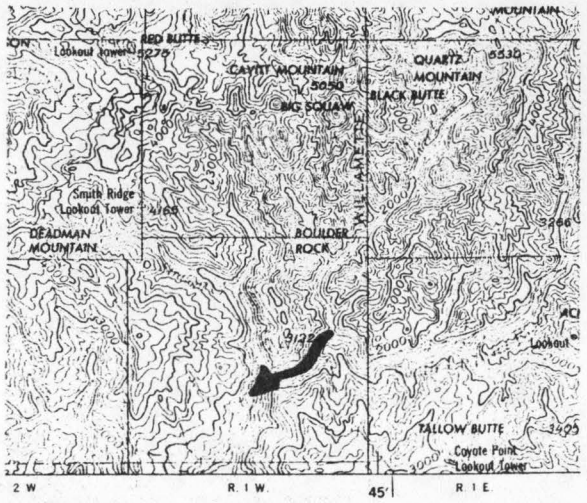
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 369 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0014

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.18, T29S, R1E
D.	Latitude, Longitude	43°02'N,122°44'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	89.6 to 95.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

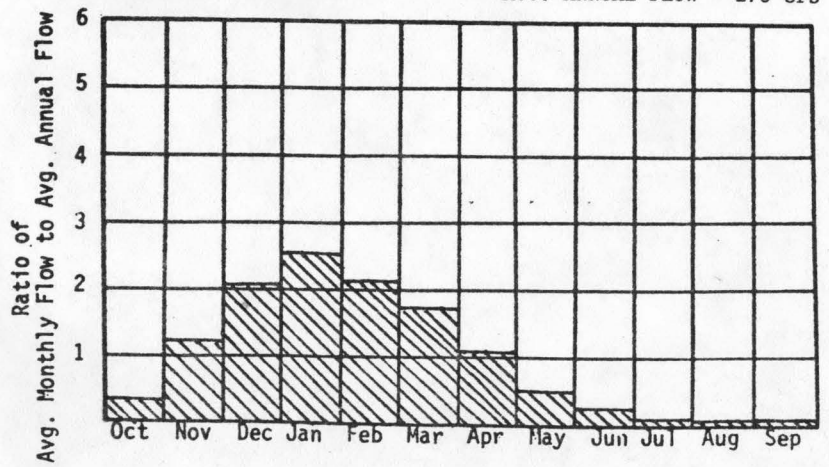
A.	Upstream Elevation of Reach	1540	Ft. MSL
B.	Downstream Elevation of Reach	1385	Ft. MSL
C.	Total Available Head in Reach	155	Ft.
D.	Average Slope in Reach	27.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	152.5	Sq.Mi.
F.	Inflow Classification	Natural	

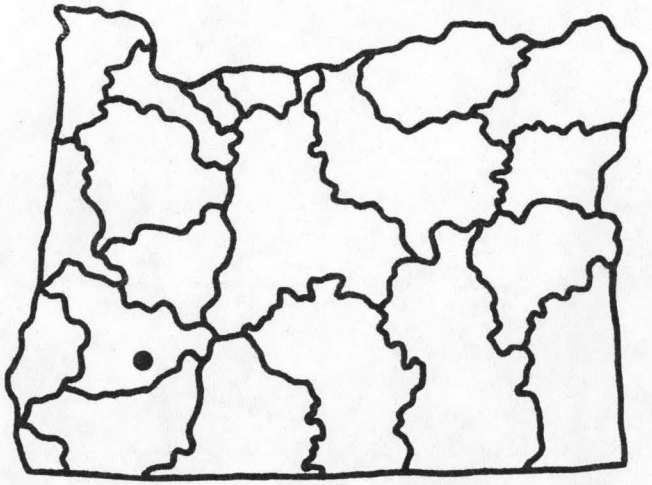
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.1	.09	.81	1.000
80	14.9	.20	1.60	.934
50	87.7	1.15	7.05	.698
30	228.3	3.00	13.52	.515
10	564.4	7.41	21.25	.327

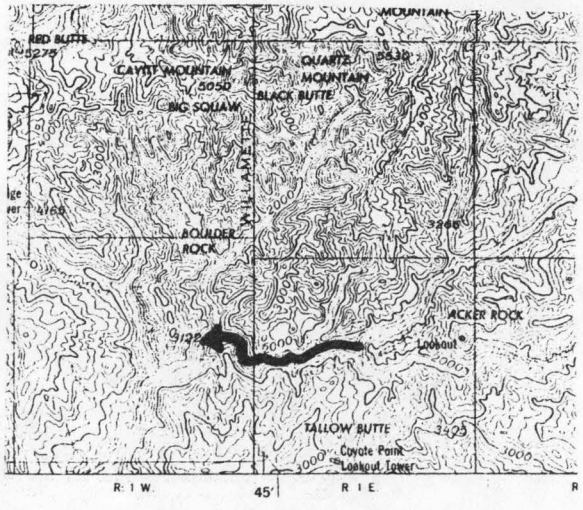
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 270 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0015

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.11, T29S, R1E
D.	Latitude, Longitude	43°03'N,122°39'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	95.3 to 99.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

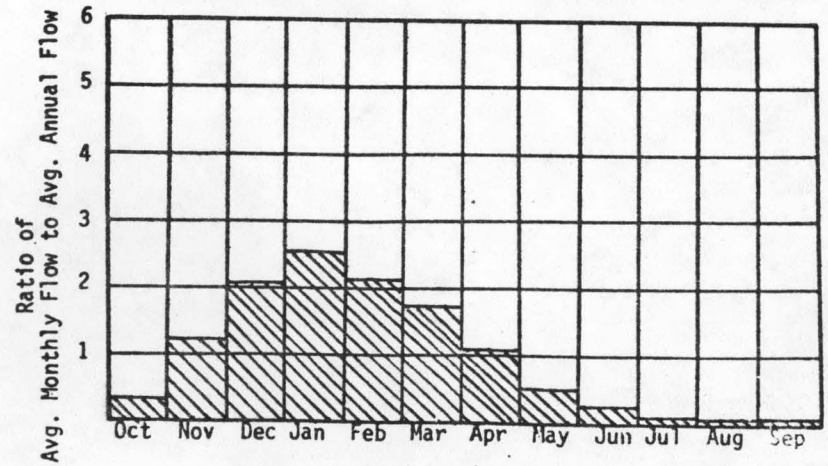
A.	Upstream Elevation of Reach	1785	Ft. MSL
B.	Downstream Elevation of Reach	1540	Ft. MSL
C.	Total Available Head in Reach	245	Ft.
D.	Average Slope in Reach	61.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	111.4	Sq.Mi.
F.	Inflow Classification	Natural	

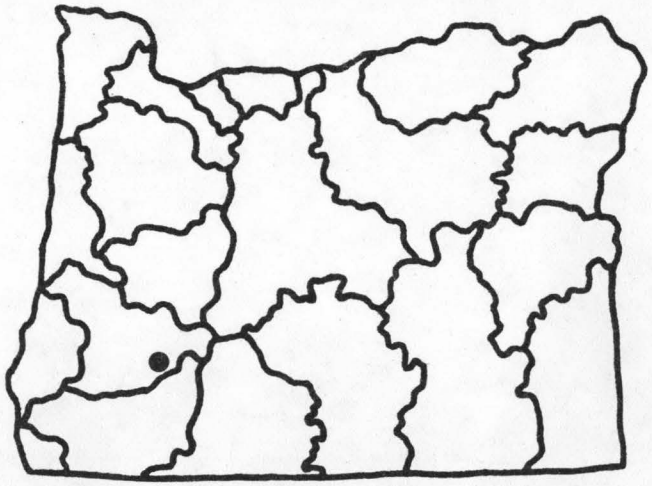
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.8	.10	.87	1.000
80	10.3	.21	1.75	.933
50	65.1	1.35	8.22	.695
30	174.6	3.62	16.19	.510
10	438.9	9.11	25.81	.323

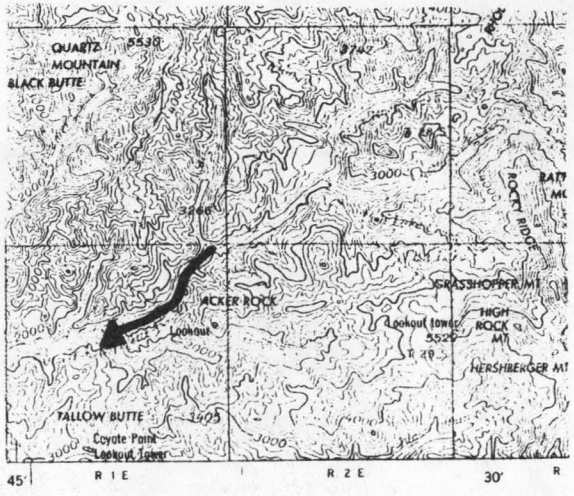
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 210 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0016

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.32, T28S, R2E
D.	Latitude, Longitude	43°05'N,122°36'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	99.3 to 103.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

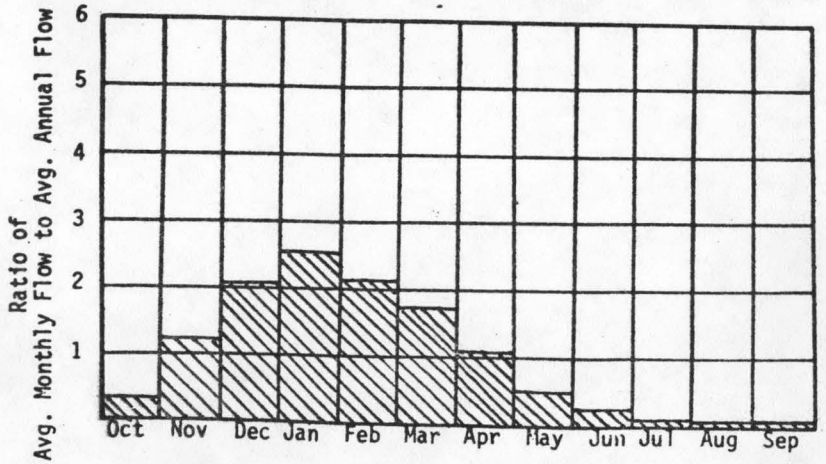
A.	Upstream Elevation of Reach	1980	Ft. MSL
B.	Downstream Elevation of Reach	1785	Ft. MSL
C.	Total Available Head in Reach	195	Ft.
D.	Average Slope in Reach	51.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	86.1	Sq.Mi.
F.	Inflow Classification	Natural	

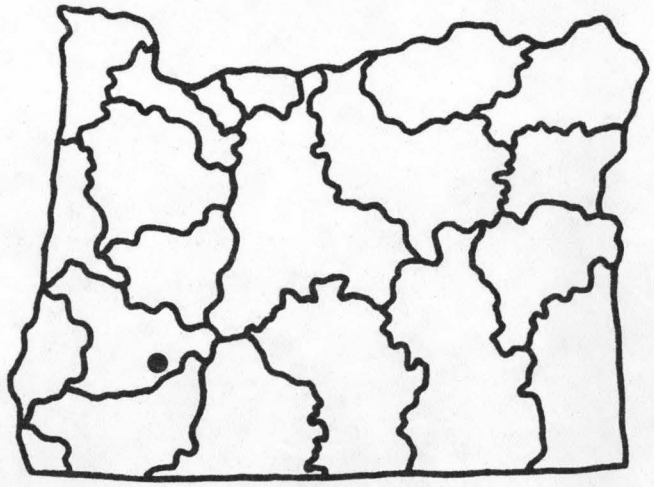
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.0	.05	.44	1.000
80	6.8	.11	.91	.931
50	46.0	.76	4.61	.691
30	128.0	2.12	9.35	.505
10	328.1	5.42	15.15	.319

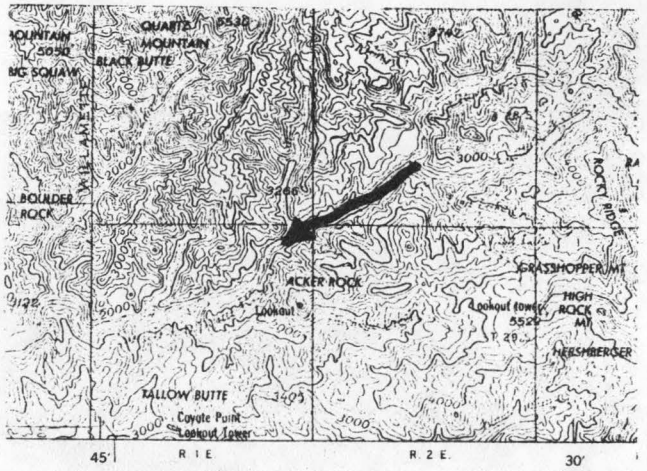
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 156 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-700-200-000-000-R0017

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.17, T28S, R3E
D.	Latitude, Longitude	43°07'N,122°30'W
E.	Stream Name	South Umpqua River
F.	Major Basin Name	Umpqua
G.	River Mile	103.1 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

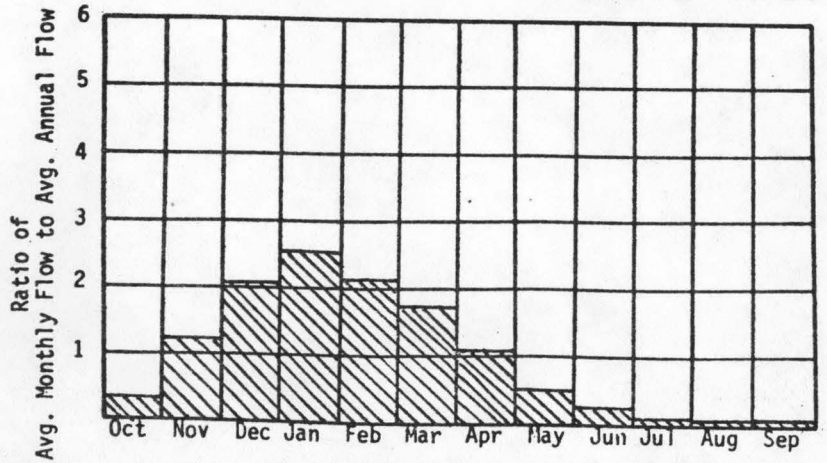
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	74.6	Sq.Mi.
F.	Inflow Classification	Natural	

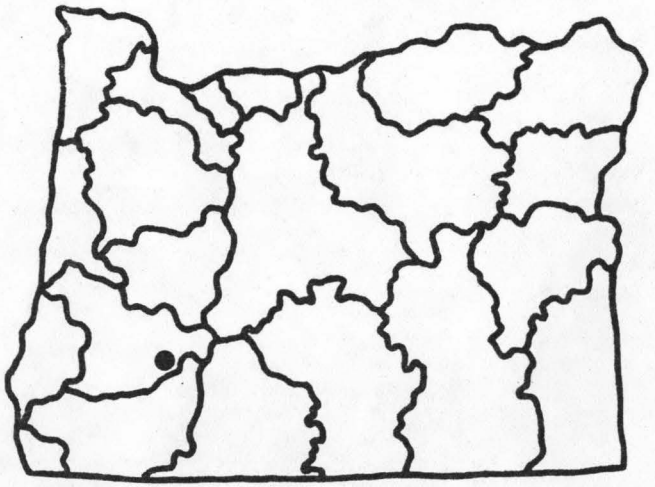
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.7	.02	.13	1.000
80	6.2	.03	.28	.930
50	42.7	.24	1.45	.691
30	119.8	.67	2.96	.504
10	308.4	1.72	4.80	.318

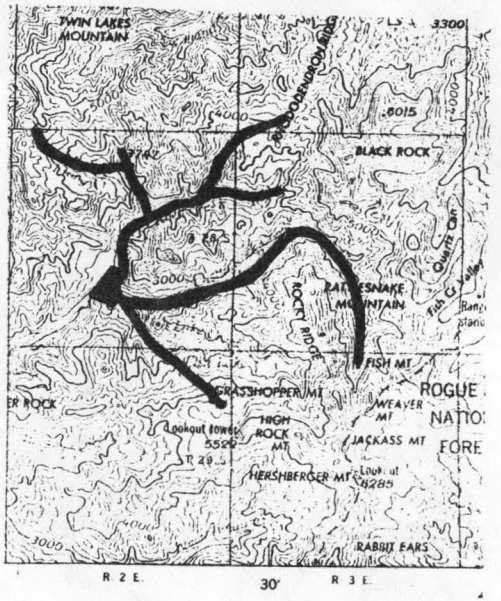
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 147 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
000-000-000-R0001	X	X	X	X	3.2	B-115	1, 2	3.4
002-000-000-R0001	-	X	X	X	0.8	B-230	-	3.3
002-000-000-R0002	-	X	-	X	4.2	B-230	-	8.0
002-002-000-R0001	-	-	-	X	5.7	B-230	-	12.5
002-002-000-R0002	-	-	-	X	9.0	B-230	-	14.5
002-000-000-R0003	-	X	-	X	5.2	12.5/69D-E	-	10.8
002-000-000-R0004	-	X	-	X	8.0	12.5/69D-E	-	14.8
002-000-000-R0005	-	-	-	X	8.0	12.5/69D-E	-	20.6
002-000-000-R0006	-	-	-	X	8.0	12.5/69D-E	-	19.0
002-000-000-R0007	-	-	-	X	6.5	12.5/69D-E	-	15.6
002-000-000-R0008	-	-	-	X	12.2	12.5/69D-E	-	13.2
000-000-000-R0002	-	X	X	X	2.6	B-230	1	3
000-000-000-R0003	-	X	X	X	8.4	B-230	-	8.8
011-000-000-R0001	-	-	-	X	3.3	12.5/69D-E	-	14.0

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
011-002-000-R0001	-	-	-	X	3.7	12.5/69D-E	-	14.4
011-000-000-R0002	-	-	-	-	5.2	12.5/69D-E	-	15.4
011-005-000-R0001	-	-	X	-	10.5	12.5/69D-E	-	19.5
011-005-000-R0002	-	-	X	-	12.5	12.5/69D-E	-	19.6
000-000-000-R0004	-	X	X	X	1.0	12.5/69D-E	-	15.3
000-000-000-R0005	-	X	X	X	1.0	12.5/69D-E	-	18.5
000-000-000-R0006	X	X	X	X	1.0	12.5/69D-E	-	16.1
020-000-000-R0001	-	X	X	X	1.0	34.5 D-C	-	11.7
020-000-000-R0002	-	-	X	X	0.8	34.5 D-C	-	9.0
020-000-000-R0003	-	X	X	X	0.8	34.5 D-C	-	9.1
020-000-000-R0004	-	X	X	X	0.8	34.5 D-C	1	0.6
020-000-000-R0005	-	X	-	X	0.5	34.5 D-C	1	1.5
020-000-000-R0006	-	-	-	X	0.5	34.5 D-C	1	2.3
000-000-000-R0007	-	-	-	X	4.0	12.5/69D-E	-	16.0

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
000-000-000-R0008	-	-	-	X	4.7	34.5 D-C	-	11.6
000-000-000-R0009	-	-	-	X	7.8	34.5 D-C	-	15.8
000-000-000-R0010	-	X	-	X	8.7	B-230	-	13.0
000-000-000-R0011	-	-	-	X	5.8	B-230	-	12.5
000-000-000-R0012	-	-	-	X	2.0	B-230	-	9.3
030-000-000-R0001	-	X	X	X	0.5	B-230	1	4.5
030-000-000-R0002	-	-	-	X	0.5	34.5 D-C	1	1.2
030-000-000-R0003	-	X	X	X	1.2	34.5 D-C	1	2.0
030-000-000-R0004	-	-	-	X	0.1	PPL 2-230	-	5.8
030-000-000-R0005	-	-	-	X	3.8	PPL 2-230	-	10.0
000-000-000-R0013	-	-	-	X	2.0	B-230	-	9.0
100-000-000-R0001	X	-	X	X	2.3	PPL-69	-	6.0
100-000-000-R0002	X	X	X	X	2.0	PPL-69	-	6.5
100-000-000-R0003	X	X	X	X	0.5	PPL 2-230	-	8.4

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
100-003-000-R0001	-	X	X	X	1.9	PPL 3-115	-	14.8
100-003-001-R0001	X	-	-	X	5.1	PPL 3-115	-	16.3
100-003-000-R0002	-	-	-	X	6.6	PPL 3-115	-	18.0
100-003-000-R0003	X	-	-	X	3.7	PPL 3-115	-	22.5
100-003-000-R0004	-	-	-	X	5.7	PPL 3-115	-	25.0
100-000-000-R0004	-	X	-	X	0.1	PPL 3-115	-	16.2
100-008-000-R0001	-	-	X	X	3.5	PPL 2-115	-	22.9
100-008-000-R0002	-	-	X	X	7.1	PPL 2-115	-	26.6
100-000-000-R0005	-	X	-	X	0.7	PPL 3-115	-	21.7
100-000-000-R0006	-	X	-	X	0.5	PPL 3-115	-	29.1
100-012-000-R0001	-	-	-	X	0.1	PPL 3-115	-	31.9
100-012-002-R0001	X	-	-	X	0.6	PPL 2-115	-	31.7
100-012-002-R0002	X	-	-	X	1.3	PPL 2-115	-	31.7
100-012-000-R0002	-	-	-	X	1.6	PPL 2-115	-	34.7

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
100-012-000-R0003	-	-	-	X	5.0	PPL 2-115	-	38.5
100-012-000-R0004	-	-	-	X	9.5	PPL 2-115	-	41.7
100-012-000-R0005	-	-	-	X	11.3	PPL 2-115	-	42.5
100-000-000-R0007	-	X	-	X	0.8	PPL 3-115	-	33.6
100-000-000-R0008	-	X	-	X	0.2	PPL 3-115	-	35.9
100-000-000-R0009	-	X	-	X	0.9	PPL 3-115	-	38.4
100-000-000-R0010	-	X	-	X	0.2	PPL 3-115	-	40.9
100-000-000-R0011	-	X	-	-	1.0	PPL 2-115	-	43.2
100-019-000-R0001	-	-	-	-	1.3	PPL 3-115	-	43.9
100-019-000-R0002	-	-	-	-	3.0	PPL 3-115	-	44.6
100-000-000-R0012	-	X	-	-	0.2	PPL 2-115	-	45.0
100-023-000-R0001	-	-	-	-	1.0	PPL 115	-	47.5
100-023-000-R0002	-	-	-	-	1.3	PPL 115	-	49.6
100-000-000-R0013	-	-	-	-	0.6	PPL 115	-	48.3

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
100-000-000-R0014	-	-	-	-	1.1	PPL 115	-	54.7
100-029-000-R0001	-	-	-	-	6.6	PPL 115	-	53.2
100-029-000-R0002	-	-	-	-	6.0	PPL 115	-	60.5
100-000-000-R0015	-	-	-	-	6.2	PPL 115	-	65.5
200-000-000-R0001	-	X	X	X	2.0	69 PPL	1,2	4.4
200-000-000-R0002	-	X	X	X	0.1	69 PPL	1,2	1.4
200-000-000-R0003	X	X	X	X	1.8	69 PPL	1,2	5.2
200-002-000-R0001	X	-	-	X	2.1	230 PPL	-	6.8
200-002-002-R0001	-	-	X	X	1.8	34.5 D-E	-	9.3
200-002-002-R0002	-	-	X	X	3.2	34.5 D-E	-	11.6
200-002-002-R0003	-	-	X	X	4.2	34.5 D-E	-	12.6
200-002-000-R0002	-	X	X	X	1.1	230 PPL	-	8.0
200-000-000-R0004	-	X	X	X	0.3	69 PPL	1	5.0
200-008-000-R0001	-	X	X	X	0.1	69 PPL	1	0.2

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

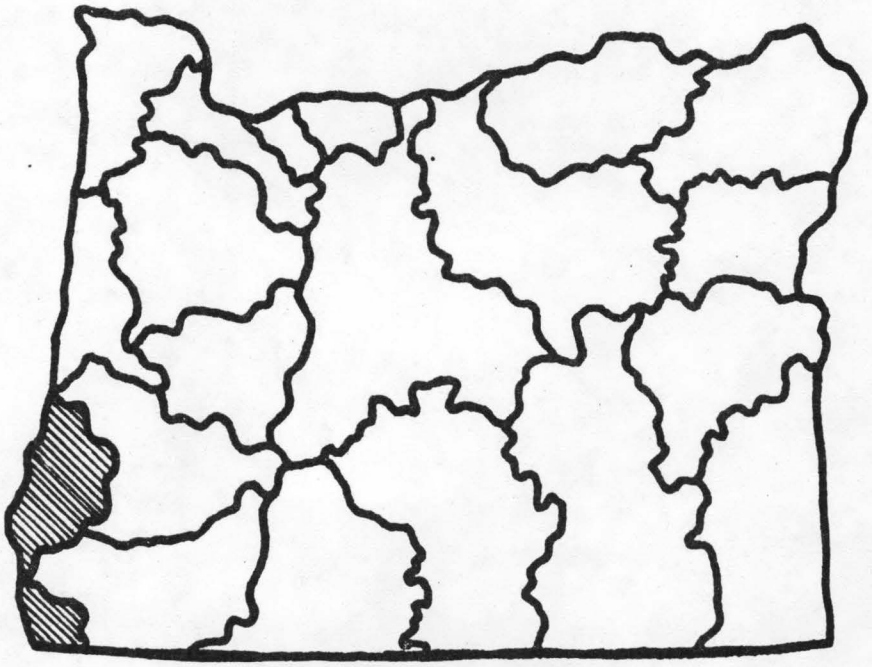
REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
200-008-000-R0002	-	-	X	X	0.3	69 PPL	1	0.2
200-000-000-R0005	-	X	X	X	0.1	69 PPL	1	3.8
200-013-000-R0001	X	X	X	X	0.8	PPL 69	1	1.2
200-013-000-R0002	-	X	-	X	3.9	PPL 230	-	6.4
200-013-000-R0003	-	X	-	X	10.0	PPL 230	-	12.7
200-013-003-R0001	-	X	-	X	14.8	PPL 230	-	17.3
200-013-003-R0002	-	X	X	-	16.6	PPL 230	-	19.1
200-013-000-R0004	-	X	-	X	10.3	PPL 230	-	14.9
200-013-000-R0005	-	X	-	X	6.6	PPL 230	-	15.0
200-013-000-R0006	-	X	X	X	2.2	PPL 230	-	14.6
200-013-000-R0007	-	X	-	X	2.7	PPL 230	-	13.2
200-013-000-R0008	-	X	-	X	1.8	PPL 230	-	13.0
200-013-000-R0009	-	X	X	X	3.4	PPL 230	-	14.3
200-000-000-R0006	X	X	-	X	0.4	PPL 69	1	3.6

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
200-000-000-R0007	-	X	-	X	1.0	PPL 2-230	-	5.2
200-000-000-R0008	X	X	-	X	1.4	PPL 115	-	10.3
200-000-000-R0009	-	X	-	X	0.7	PPL 115	-	14.9
200-000-000-R0010	-	X	-	X	1.1	PPL 115	-	17.0
200-019-000-R0001	-	X	-	X	0.4	PPL 115	-	19.1
200-019-000-R0002	-	X	-	-	0.8	PPL 115	-	20.1
200-000-000-R0011	-	-	-	X	1.9	PPL 115	-	19.5
200-025-000-R0001	-	-	-	X	4.3	PPL 115	-	22.0
200-025-000-R0002	-	-	-	X	7.2	PPL 115	-	25.1
200-025-000-R0003	-	-	-	-	9.3	PPL 115	-	27.2
200-000-000-R0012	-	-	-	X	6.8	PPL 115	-	22.5
200-000-000-R0013	-	-	-	X	10.6	PPL 115	-	24.9
200-000-000-R0014	-	-	-	X	16.0	PPL 115	-	27.3
200-000-000-R0015	-	-	-	X	15.8	PPL 115	-	30.7

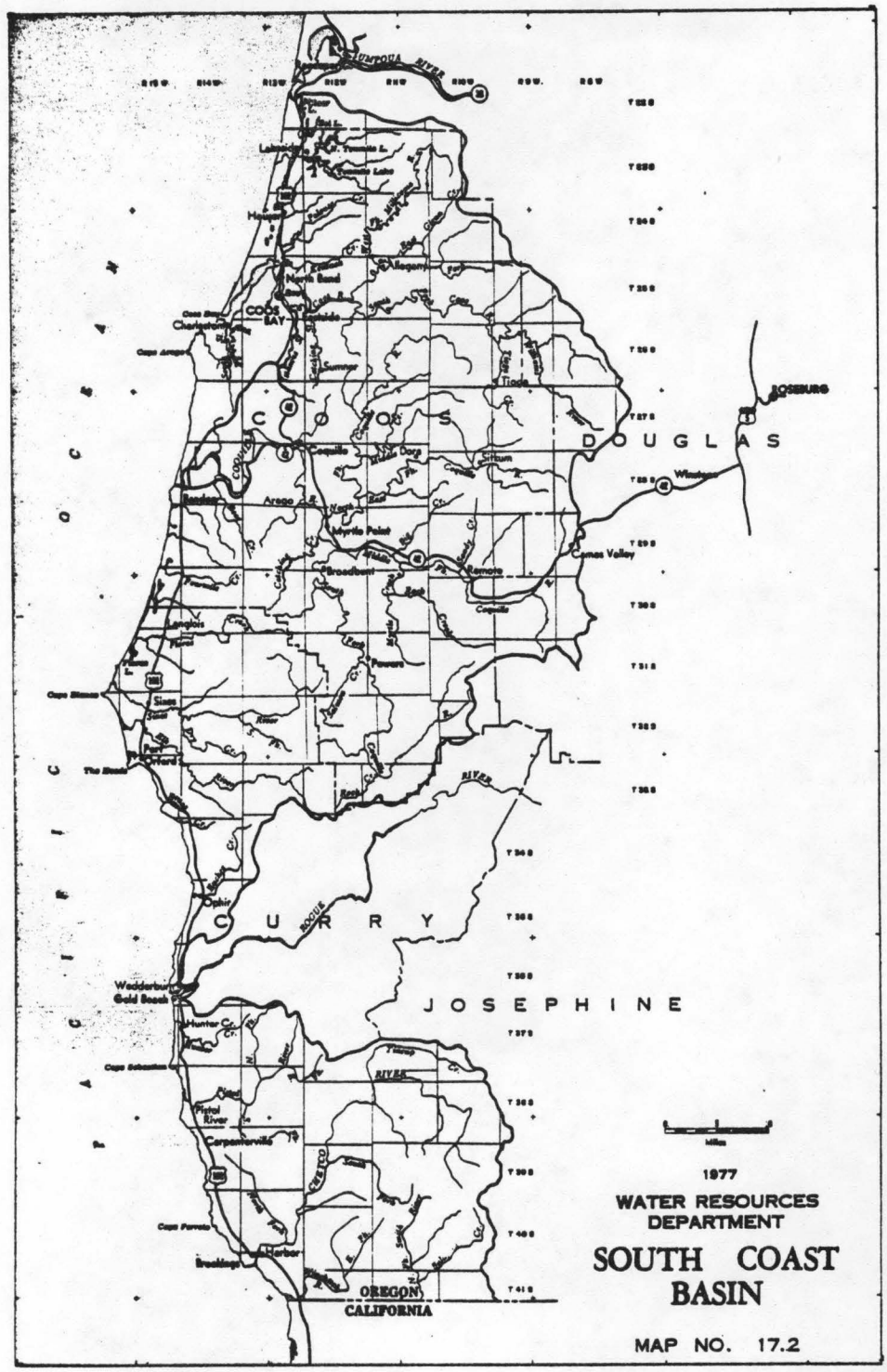
FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-700-								
200-000-000-R0016	-	-	-	X	19.4	PPL 115	-	33.6
200-000-000-R0017	-	-	-	X	21.3	PPL 115	-	35.6



APPENDIX 17

SOUTH COAST BASIN


COOS
DOUGLAS
CURRY
JOSEPHINE
COOS BAY
ROSEBURG
Reedsport
Coquille
Bandon
Broadbent
Remote
Myrtle Point
Powers
Gold Beach
Wedderburn
Ophir
Brookings
Harbor
Carpenterville
Pistol River
Cape Sebastian
Cape Ferrelo
Cape Blanco
Cape Arago
Lakeside
Charleston
Winchester
Tiller
Days Creek
Camas Valley
Sixes River
Elk River
Hunter Creek
Rogue River
Chetco River
Illinois River
Smith River
Umpqua River
OREGON
CALIFORNIA
1977
WATER RESOURCES DEPARTMENT
SOUTH COAST BASIN
MAP NO. 17.2

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.27, T25S, R12W
D.	Latitude, Longitude	43°22'N,24°22'W
E.	Stream Name	Coos River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 5.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

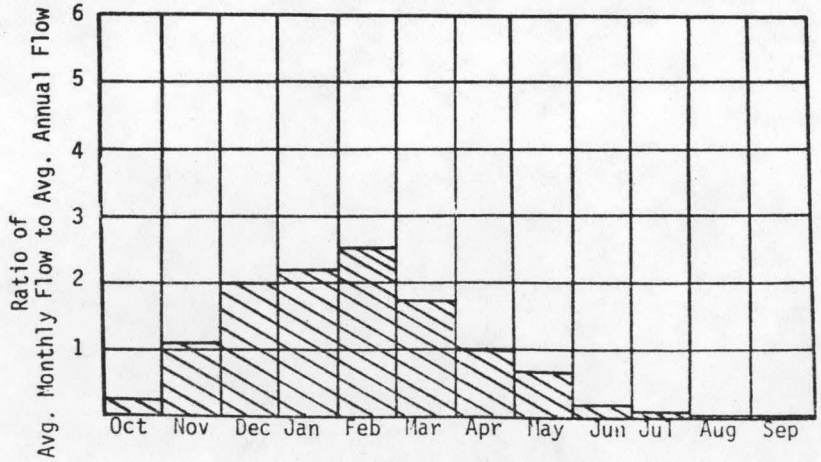
A.	Upstream Elevation of Reach	1	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	1	Ft.
D.	Average Slope in Reach	0.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	411.0	Sq.Mi.
F.	Inflow Classification	Natural	

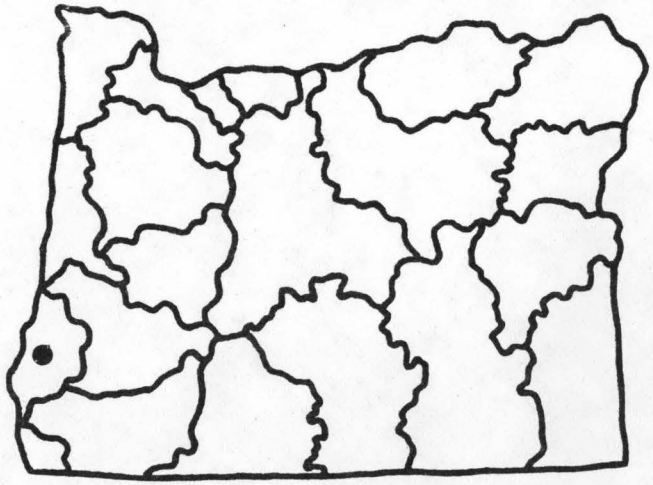
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	60.4	.01	.04	1.000
80	108.1	.01	.08	.945
50	570.4	.05	.30	.706
30	1536.8	.13	.59	.514
10	4617.4	.39	1.04	.304

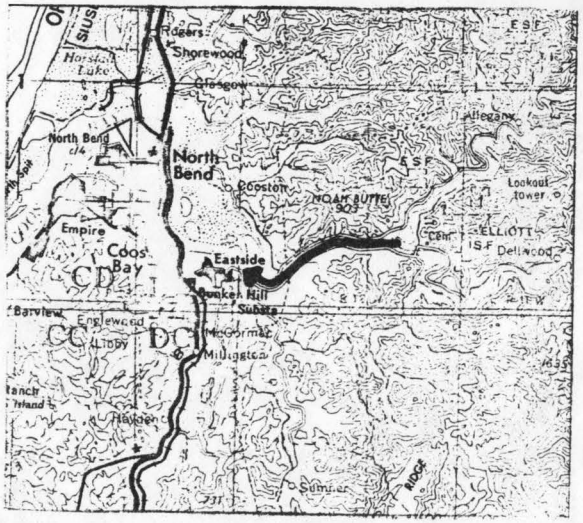
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1613 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.16, T25S, R11W	
D. Latitude, Longitude	43°23'N,124°03'W	
E. Stream Name	Millicoma River	
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 8.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

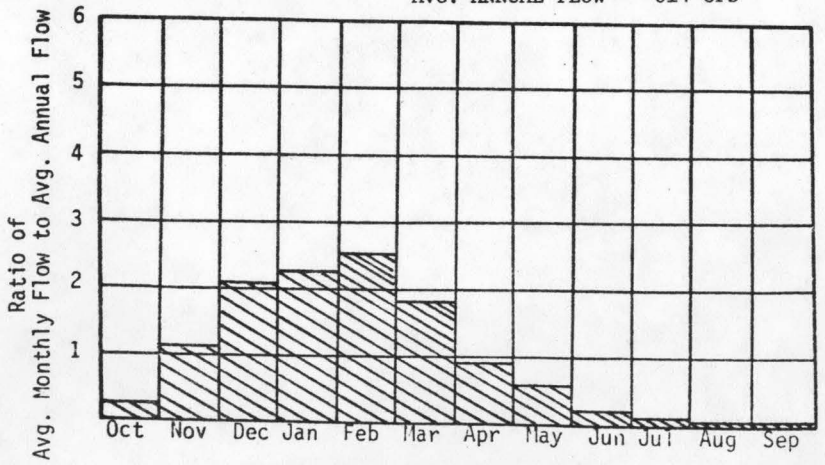
A. Upstream Elevation of Reach	43	Ft. MSL
B. Downstream Elevation of Reach	1	Ft. MSL
C. Total Available Head in Reach	42	Ft.
D. Average Slope in Reach	4.8	Ft./Mi.
E. Drainage Area above Reach Mouth	150	Sq.Mi.
F. Inflow Classification	Natural	

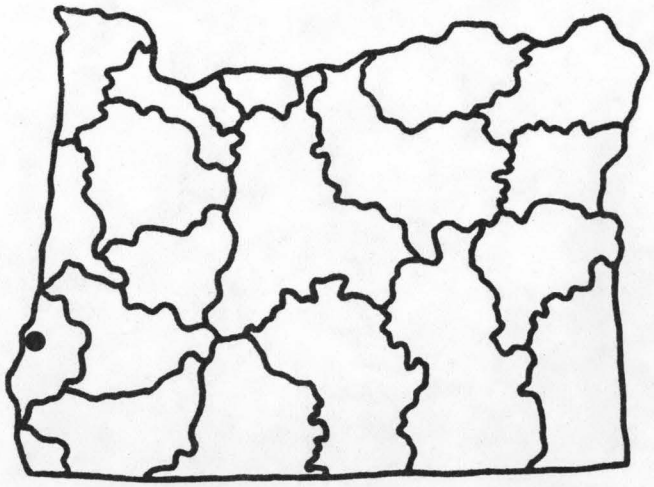
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	16.4	.06	.51	1.000
80	34.8	.12	1.01	.934
50	216.1	.77	4.69	.696
30	604.2	2.15	9.53	.506
10	1761.8	6.27	16.75	.305

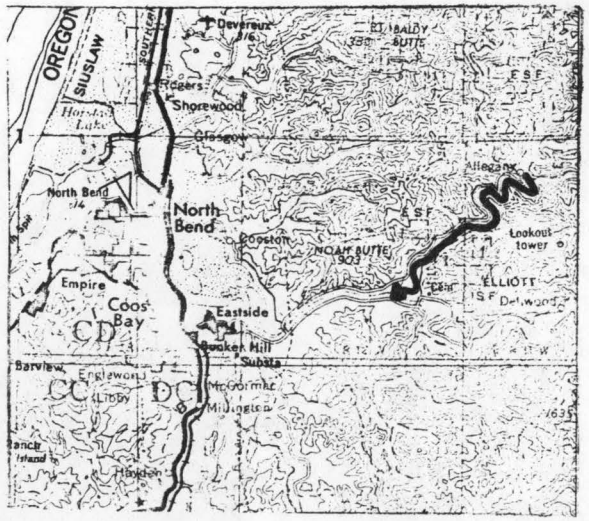
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 614 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-002-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.30, T24S, R11W	
D. Latitude, Longitude	43°27'N.123°57'W	
E. Stream Name	West Fork Millicoma	River
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 8.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

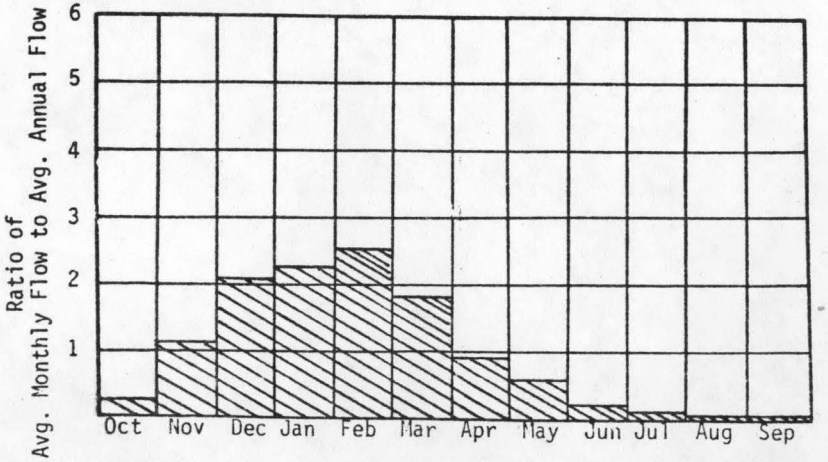
A. Upstream Elevation of Reach	111	Ft. MSL
B. Downstream Elevation of Reach	43	Ft. MSL
C. Total Available Head in Reach	68	Ft.
D. Average Slope in Reach	8.5	Ft./Mi.
E. Drainage Area above Reach Mouth	55.1	Sq.Mi.
F. Inflow Classification	Natural	

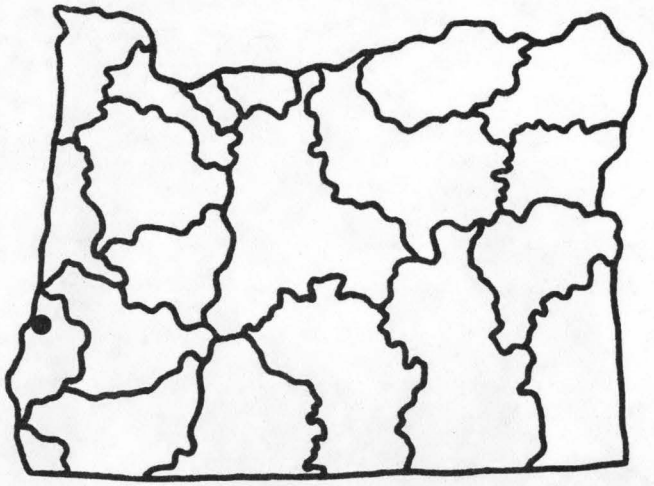
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.21	1.000
80	10.6	.06	.50	.925
50	78.4	.45	2.72	.687
30	227.8	1.31	5.74	.499
10	643.9	3.71	9.94	.306

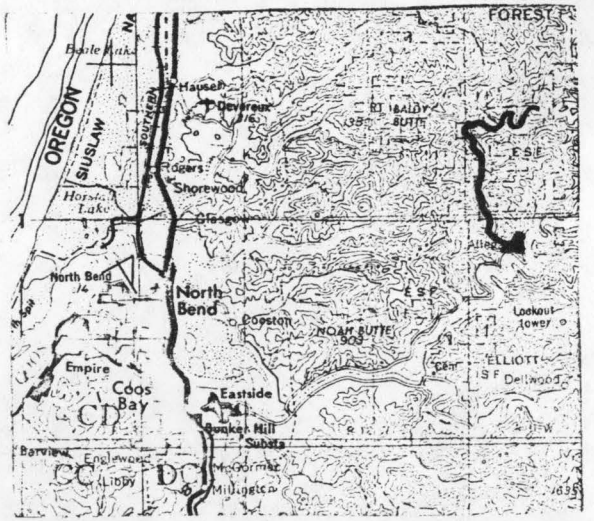
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 224 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-002-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.16, T24S, R11W	
D. Latitude, Longitude	43°29'N,123°59'W	
E. Stream Name	West Fork Millicoma	River
F. Major Basin Name	South Coast	
G. River Mile	8.0 to 17.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

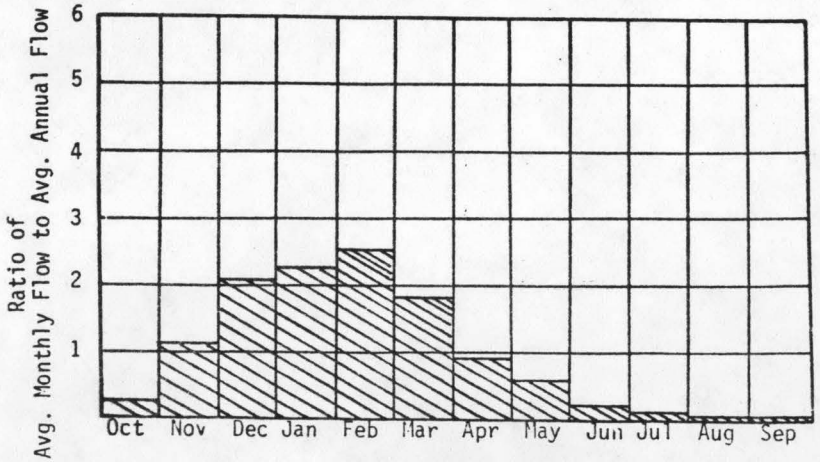
A. Upstream Elevation of Reach	496	Ft. MSL
B. Downstream Elevation of Reach	111	Ft. MSL
C. Total Available Head in Reach	385	Ft.
D. Average Slope in Reach	42.8	Ft./Mi.
E. Drainage Area above Reach Mouth	44.9	Sq.Mi.
F. Inflow Classification	Natural	

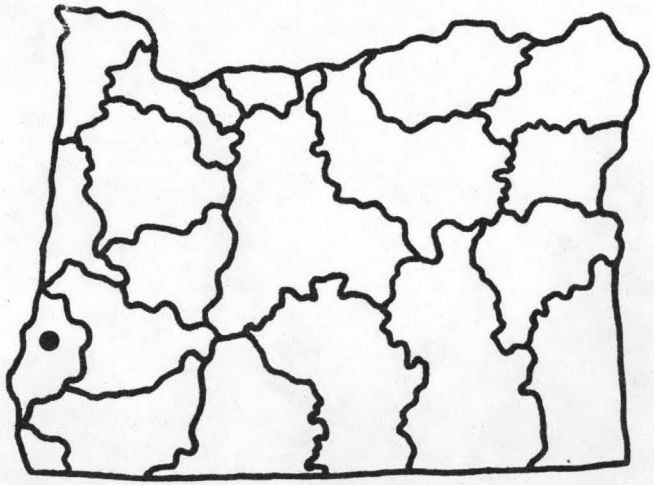
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.3	.11	.94	1.000
80	8.5	.28	2.25	.923
50	64.9	2.12	12.72	.686
30	189.9	6.20	27.01	.498
10	533.6	17.41	46.66	.306

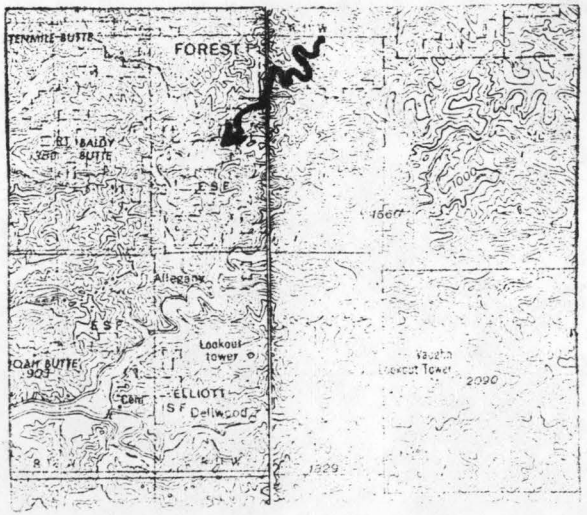
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 186 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-002-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.26, T23S, R11W
D.	Latitude, Longitude	43°33'N,124°02'W
E.	Stream Name	West Fork Millicoma River
F.	Major Basin Name	South Coast
G.	River Mile	17.0 to 27.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

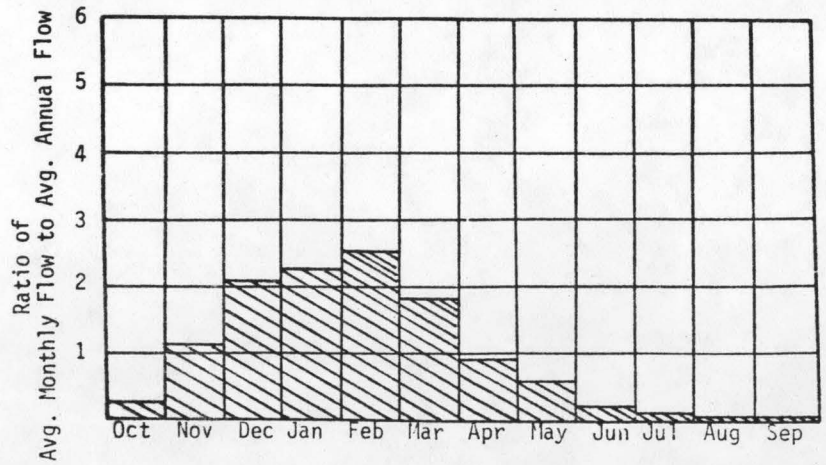
A.	Upstream Elevation of Reach	778	Ft. MSL
B.	Downstream Elevation of Reach	496	Ft. MSL
C.	Total Available Head in Reach	282	Ft.
D.	Average Slope in Reach	28.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	36.8	Sq.Mi.
F.	Inflow Classification	Natural	

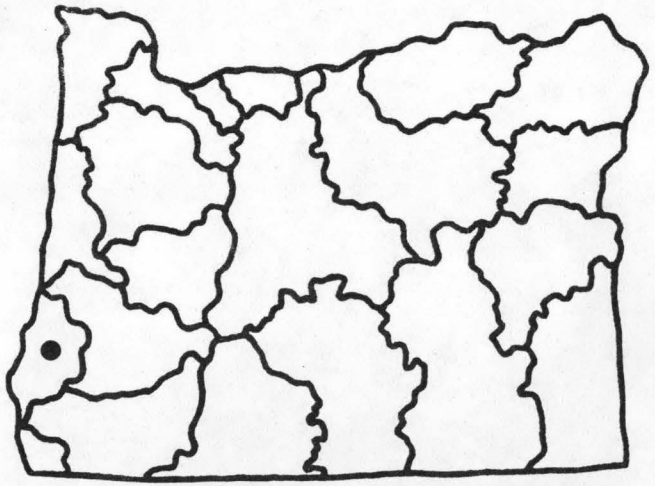
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.2	.05	.47	1.000
80	6.1	.15	1.18	.921
50	48.7	1.16	6.97	.684
30	144.0	3.44	14.95	.496
10	401.1	9.59	25.72	.306

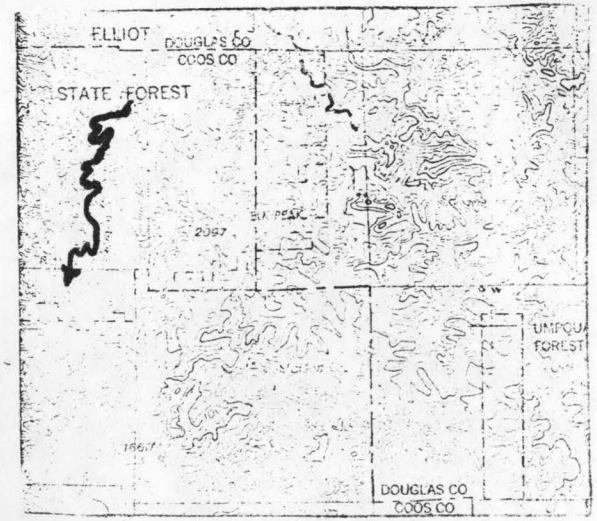
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 137 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-002-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.14, T23S, R10W
D.	Latitude, Longitude	43°33'N,123°57'W
E.	Stream Name	West Fork Millicoma River
F.	Major Basin Name	South Coast
G.	River Mile	27.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

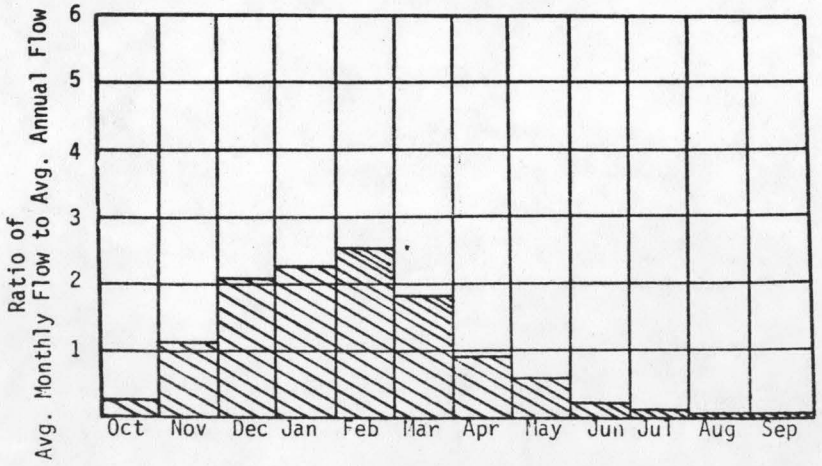
A.	Upstream Elevation of Reach	----	Ft. MSL
B.	Downstream Elevation of Reach	----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	----	Ft./Mi.
E.	Drainage Area above Reach Mouth	25	Sq.Mi.
F.	Inflow Classification	Natural	

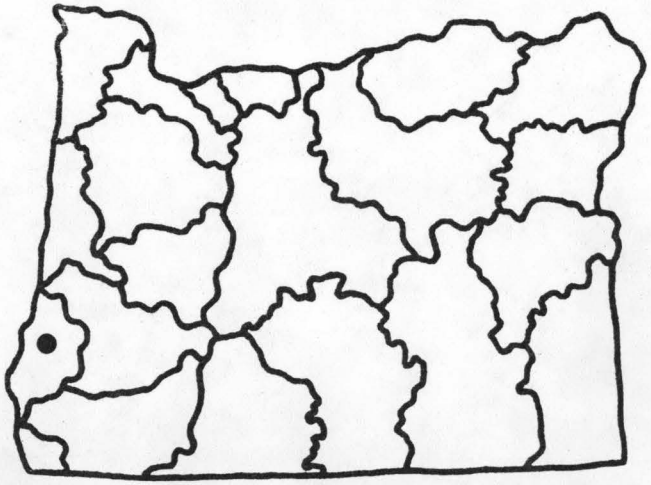
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.6	.01	.08	1.000
80	4.7	.03	.21	.919
50	38.7	.22	1.30	.682
30	115.6	.65	2.80	.495
10	319.6	1.79	4.80	.307

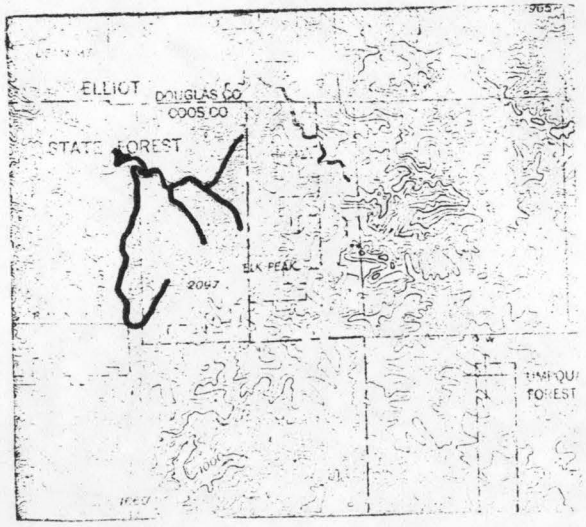
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 111 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-005-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.35, T24S, R11W	
D. Latitude, Longitude	43°27'N,124°02'W	
E. Stream Name	East Fork Millicoma	River
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 12.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

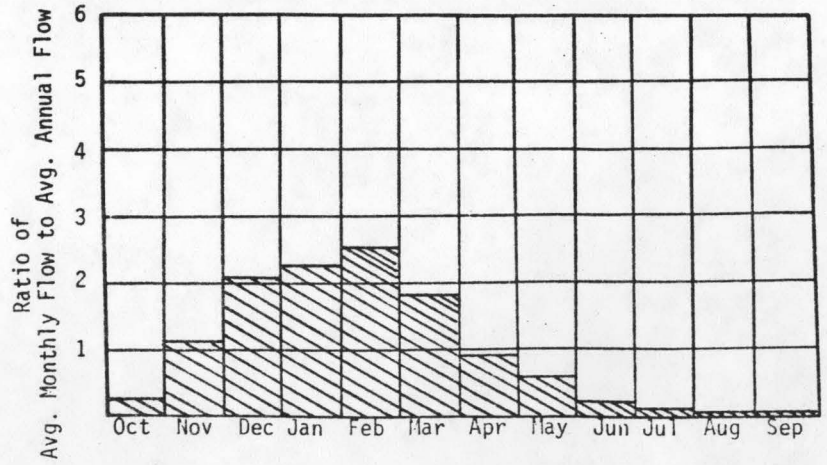
A. Upstream Elevation of Reach	248	Ft. MSL
B. Downstream Elevation of Reach	42	Ft. MSL
C. Total Available Head in Reach	205	Ft.
D. Average Slope in Reach	16.3	Ft./Mi.
E. Drainage Area above Reach Mouth	77.5	Sq.Mi.
F. Inflow Classification	Natural	

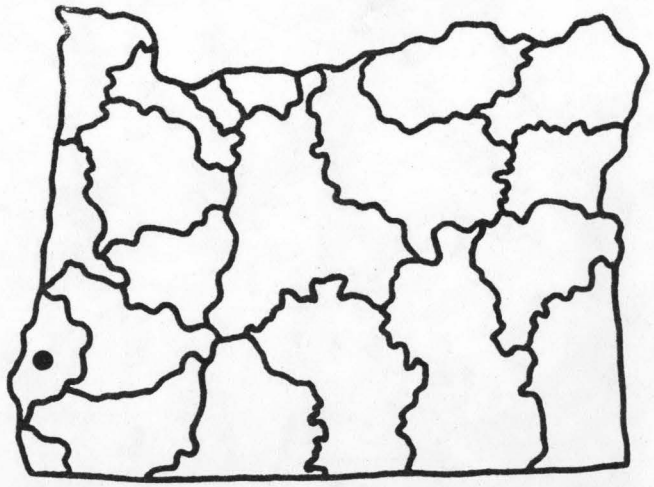
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.9	.09	.76	1.000
80	12.2	.21	1.73	.926
50	88.1	1.54	9.28	.688
30	254.9	4.45	19.48	.500
10	723.1	12.62	33.80	.306

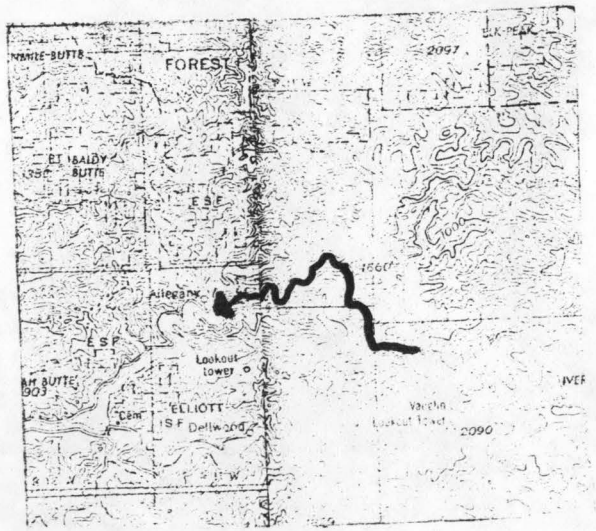
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 251 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-005-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.6, T25S, R10W	
D. Latitude, Longitude	43°25'N,124°10'W	
E. Stream Name	East Fork Millicoma	River
F. Major Basin Name	South Coast	
G. River Mile	12.6 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

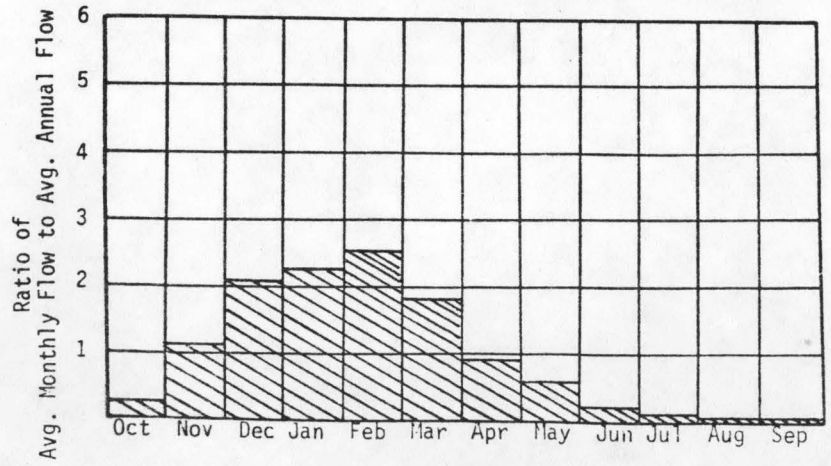
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	41.3	Sq.Mi.
F. Inflow Classification	Natural	

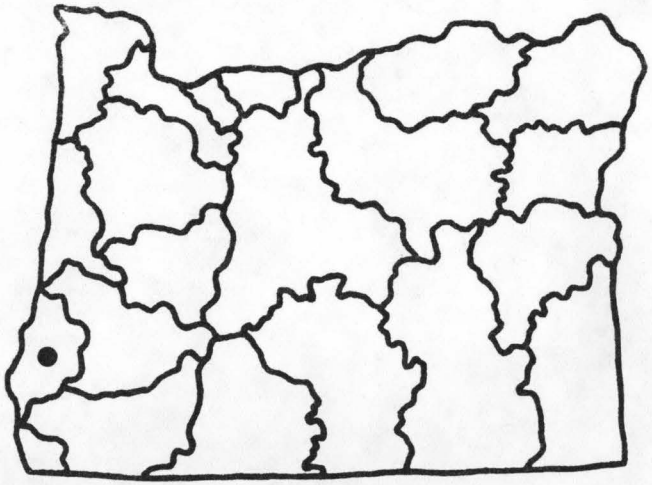
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.9	.02	.14	1.000
80	7.7	.04	.35	.922
50	59.2	.33	1.99	.685
30	173.9	.97	4.24	.497
10	487.2	2.73	7.31	.306

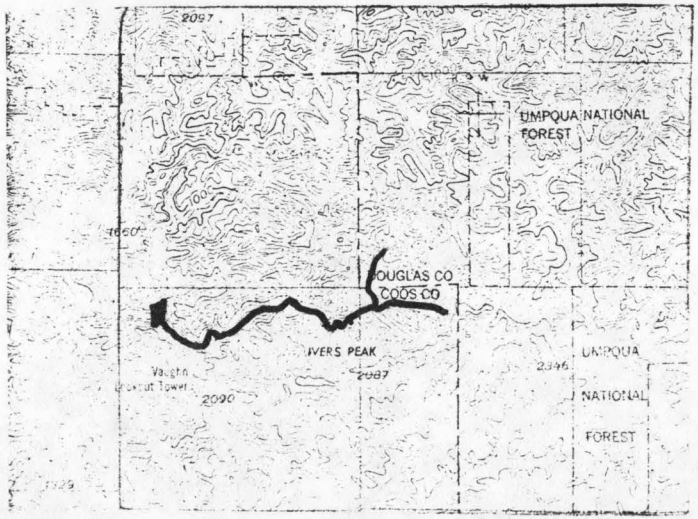
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 169 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.31, T25S, R11W
D.	Latitude, Longitude	43°21'N,123°57'W
E.	Stream Name	South Fork Coos River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

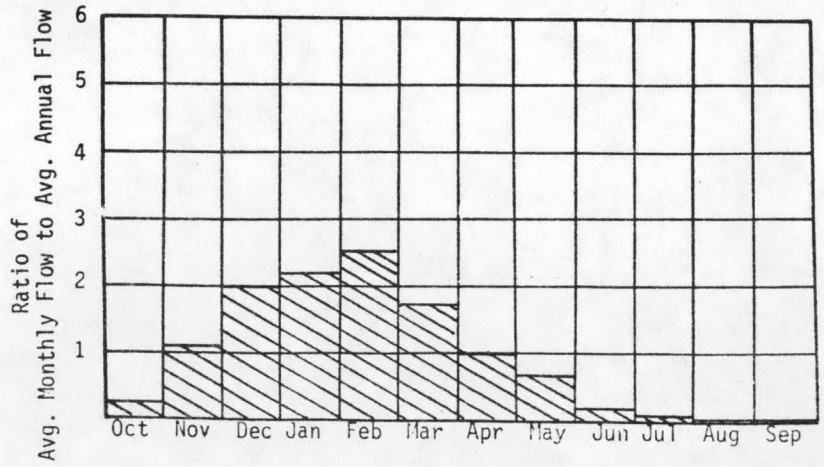
A.	Upstream Elevation of Reach	19	Ft. MSL
B.	Downstream Elevation of Reach	1	Ft. MSL
C.	Total Available Head in Reach	18	Ft.
D.	Average Slope in Reach	1.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	252	Sq.Mi.
F.	Inflow Classification	Natural	

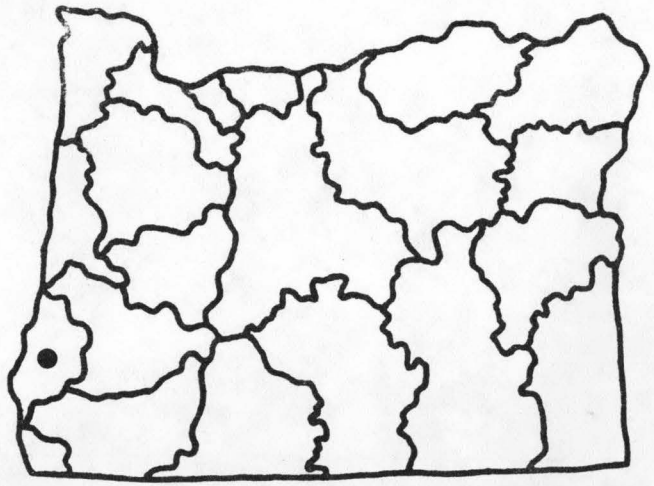
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	27.1	.04	.36	1.000
80	53.8	.08	.67	.938
50	313.7	.48	2.93	.699
30	864.6	1.32	5.88	.509
10	2550.3	3.89	10.38	.305

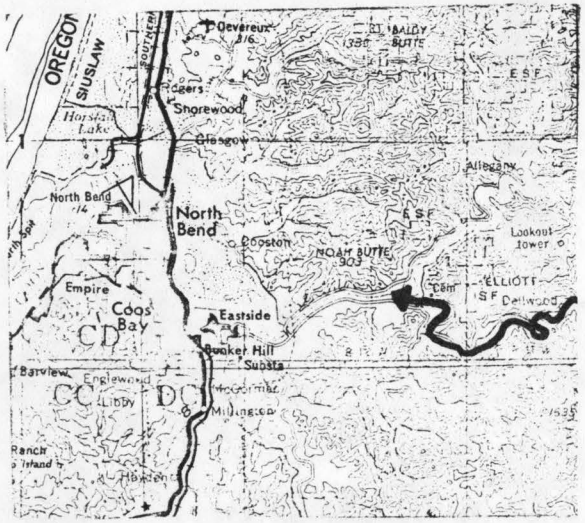
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 890 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.24, T25S, R11W
D.	Latitude, Longitude	43°23'N,123°57'W
E.	Stream Name	South Fork Coos River
F.	Major Basin Name	South Coast
G.	River Mile	10.0 to 20.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

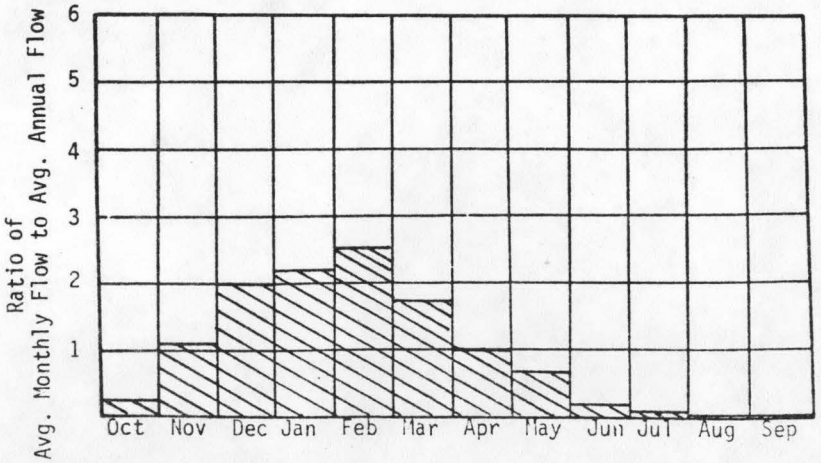
A.	Upstream Elevation of Reach	202	Ft. MSL
B.	Downstream Elevation of Reach	19	Ft. MSL
C.	Total Available Head in Reach	183	Ft.
D.	Average Slope in Reach	18.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	229.8	Sq.Mi.
F.	Inflow Classification	Natural	

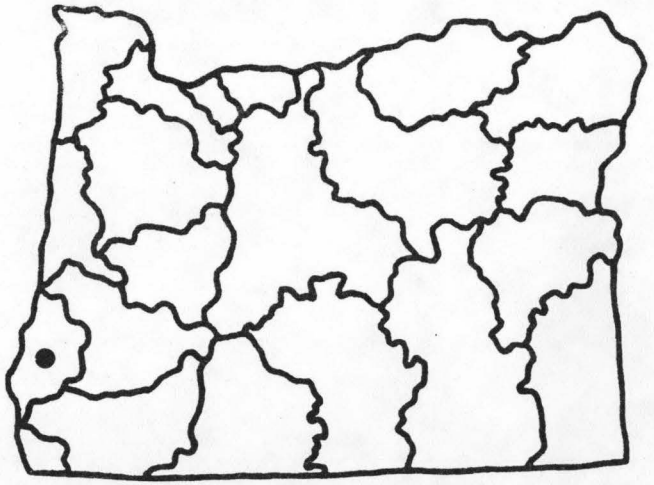
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	23.2	.36	3.15	1.000
80	47.0	.73	5.98	.937
50	279.6	4.34	26.52	.698
30	773.9	12.00	53.38	.508
10	2274.6	35.28	94.15	.305

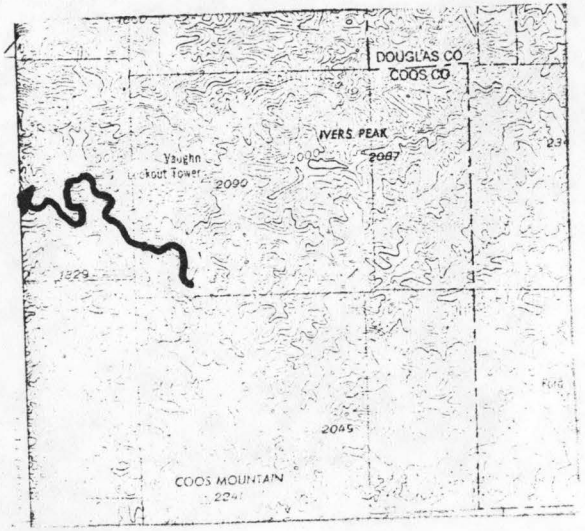
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 794 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.35, T25S, R10W
D.	Latitude, Longitude	43°22'N,123°51'W
E.	Stream Name	South Fork Coos River
F.	Major Basin Name	South Coast
G.	River Mile	20.0 to 31.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

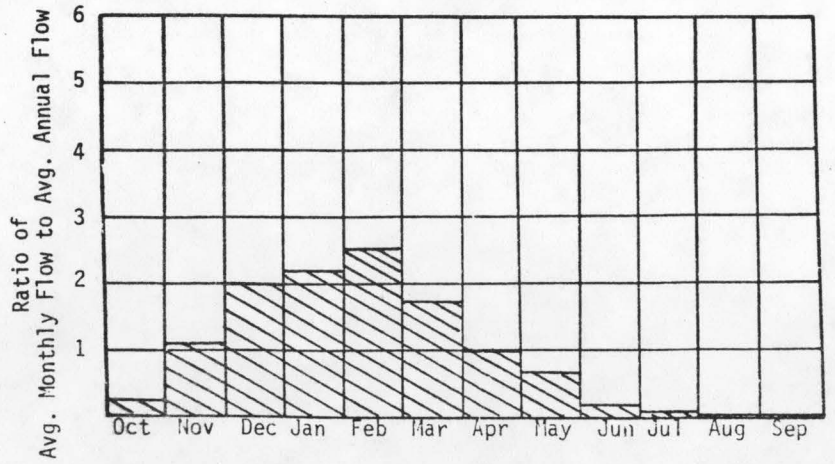
A.	Upstream Elevation of Reach	451	Ft. MSL
B.	Downstream Elevation of Reach	202	Ft. MSL
C.	Total Available Head in Reach	249	Ft.
D.	Average Slope in Reach	21.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	204.1	Sq.Mi.
F.	Inflow Classification	Natural	

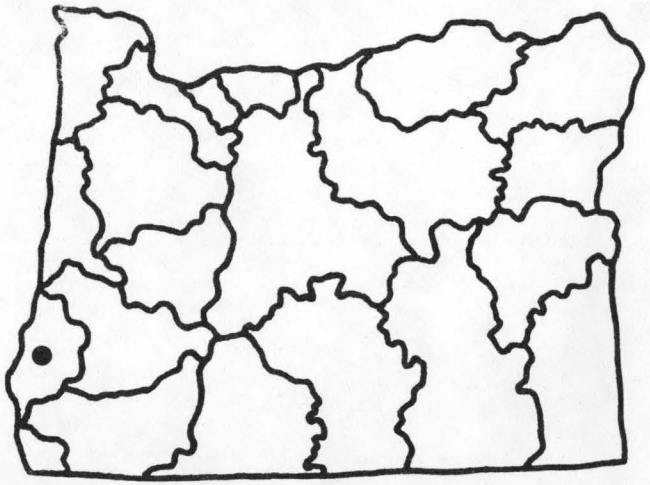
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	18.6	.39	3.44	1.000
80	38.7	.82	6.69	.935
50	236.8	5.00	30.50	.697
30	659.7	13.92	61.76	.506
10	1929.1	40.71	108.69	.305

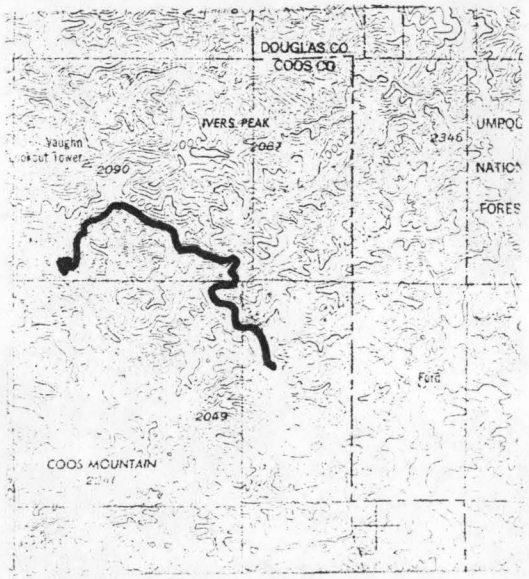
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 672 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.9, T26S, R9W
D.	Latitude, Longitude	43°20'N.123°48'W
E.	Stream Name	Williams River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 7.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

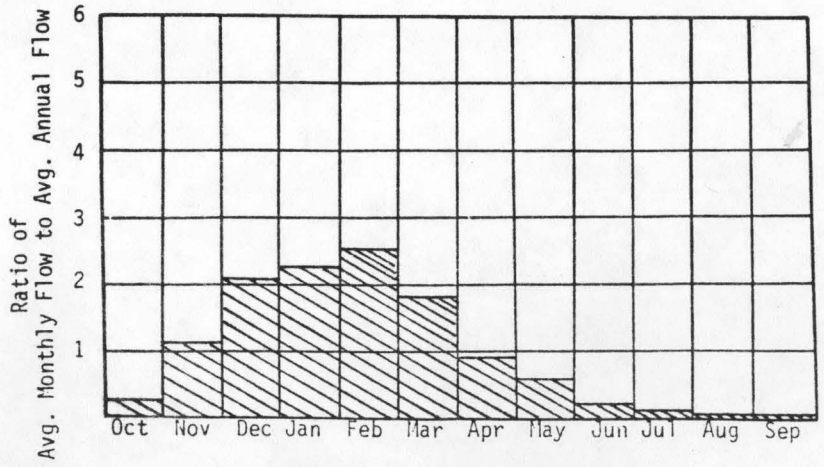
A.	Upstream Elevation of Reach	625	Ft. MSL
B.	Downstream Elevation of Reach	450	Ft. MSL
C.	Total Available Head in Reach	175	Ft.
D.	Average Slope in Reach	22.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	124	Sq.Mi.
F.	Inflow Classification	Natural	

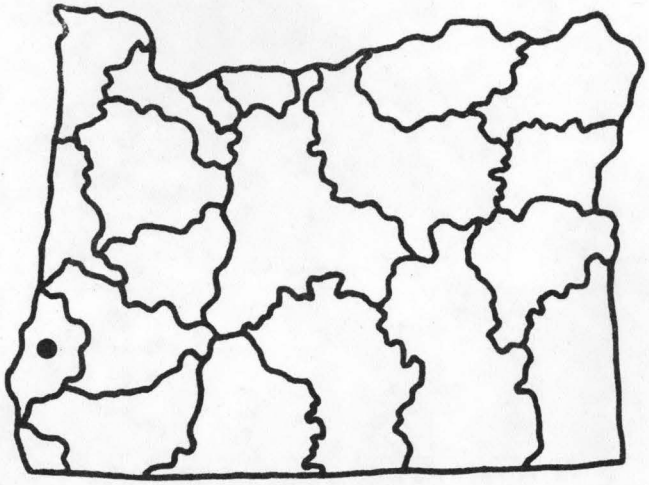
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.9	.13	1.16	1.000
80	20.4	.30	2.47	.930
50	137.0	2.03	12.31	.692
30	389.6	5.78	25.44	.503
10	1120.3	16.61	44.42	.305

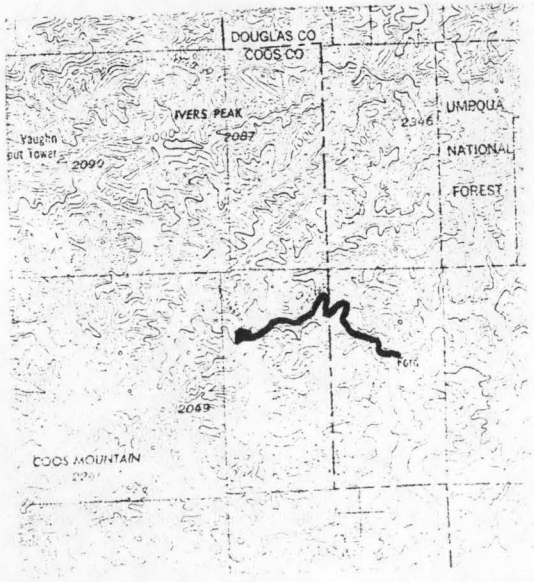
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 390 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-001-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.12, T26S, R9W
D.	Latitude, Longitude	43°14'N,123°48'W
E.	Stream Name	Cedar Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 3.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

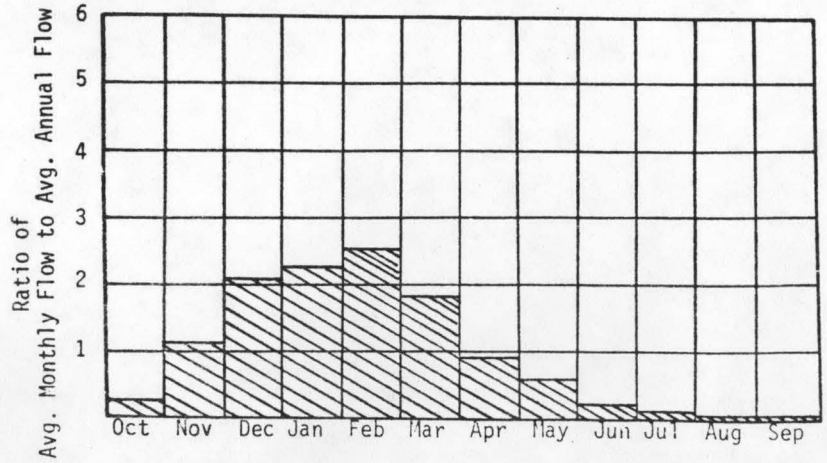
A.	Upstream Elevation of Reach	690	Ft. MSL
B.	Downstream Elevation of Reach	625	Ft. MSL
C.	Total Available Head in Reach	65	Ft.
D.	Average Slope in Reach	19.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	35.7	Sq.Mi.
F.	Inflow Classification	Natural	

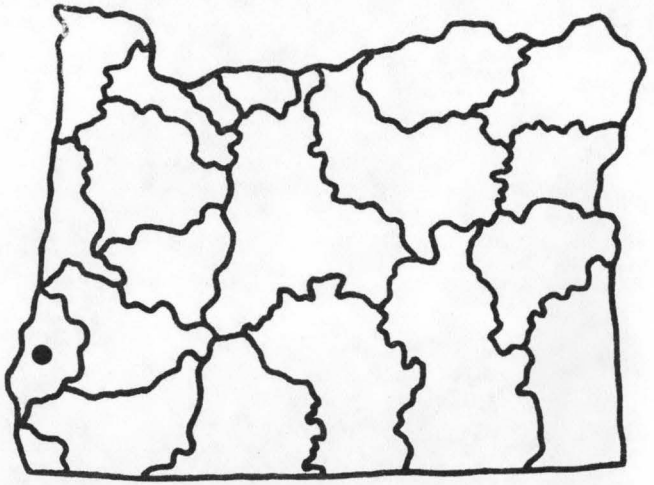
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.7	.01	.08	1.000
80	4.7	.03	.21	.919
50	39.2	.22	1.29	.682
30	116.8	.64	2.79	.495
10	323.1	1.78	4.78	.307

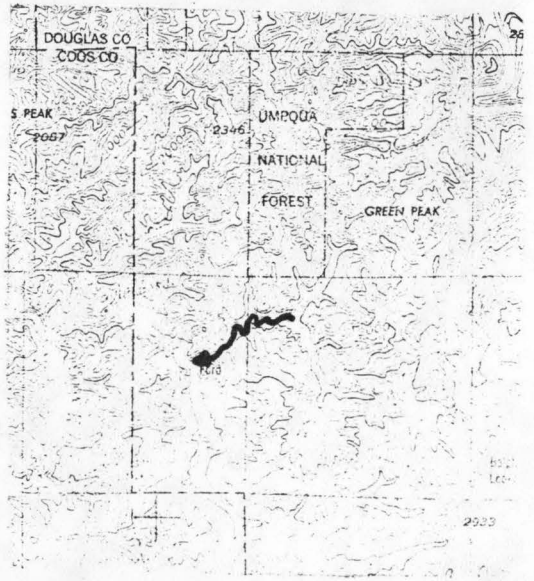
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-001-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.8, T26S, R8W
D.	Latitude, Longitude	43°18'N,124°02'W
E.	Stream Name	Cedar Creek
F.	Major Basin Name	South Coast
G.	River Mile	3.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

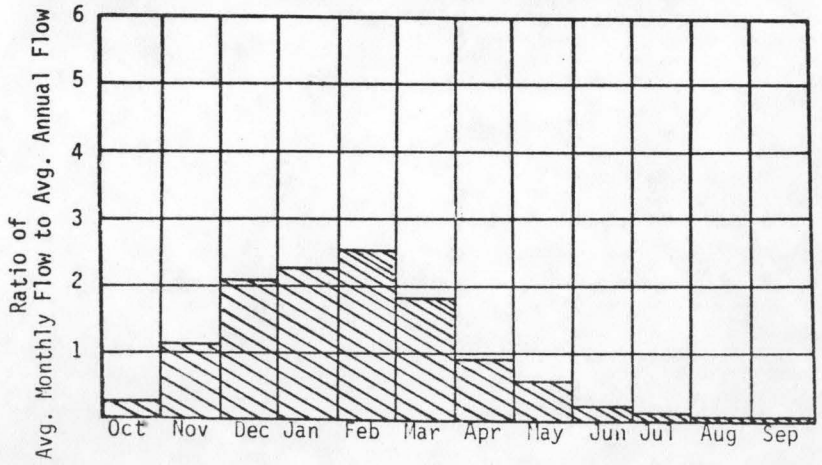
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	29.4	Sq.Mi.
F.	Inflow Classification	Natural	

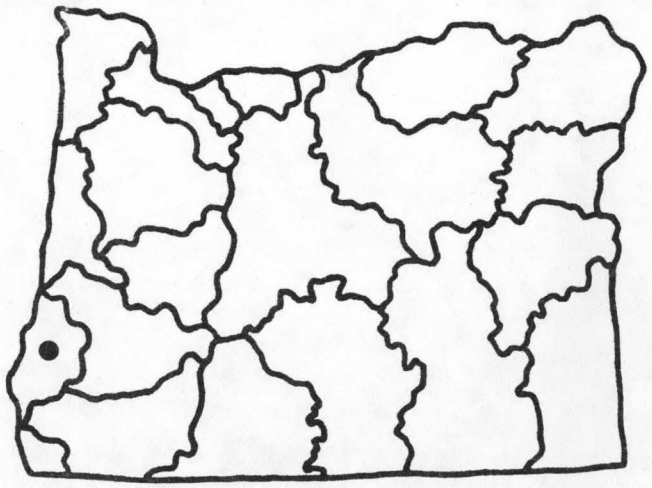
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.4	.01	.07	1.000
80	4.2	.02	.19	.918
50	35.1	.20	1.17	.682
30	105.0	.59	2.54	.494
10	289.6	1.62	4.35	.307

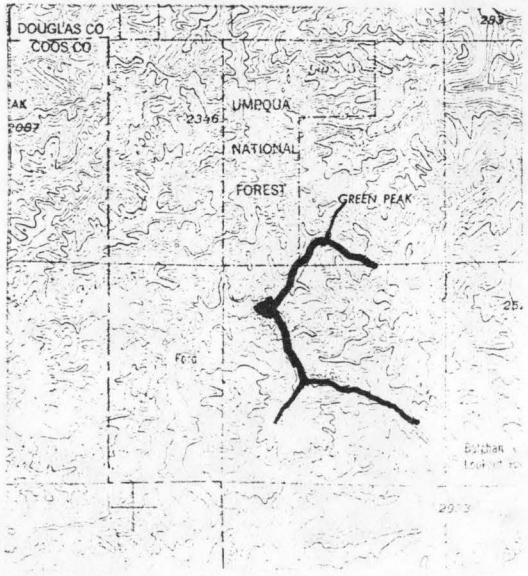
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 100 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.35, T27S, R9W	
D. Latitude, Longitude	43°15'N,123°49'W	
E. Stream Name	Williams Creek	
F. Major Basin Name	South Coast	
G. River Mile	7.8 to 17.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

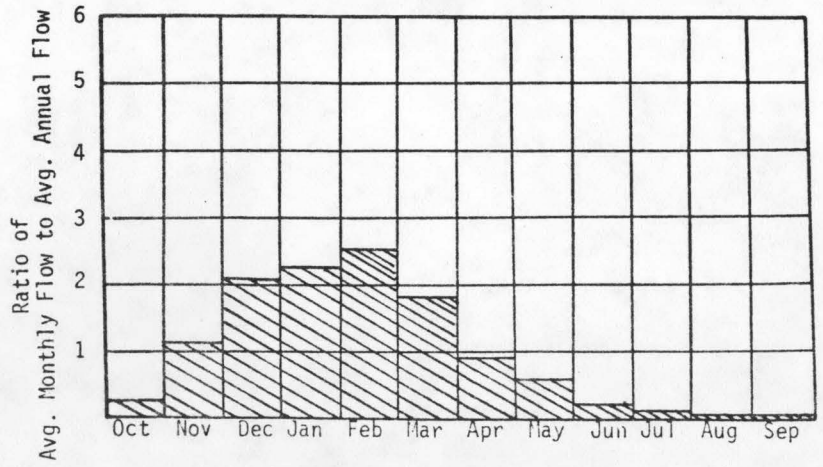
A. Upstream Elevation of Reach	1160	Ft. MSL
B. Downstream Elevation of Reach	625	Ft. MSL
C. Total Available Head in Reach	535	Ft.
D. Average Slope in Reach	56.9	Ft./Mi.
E. Drainage Area above Reach Mouth	62.1	Sq.Mi.
F. Inflow Classification	Natural	

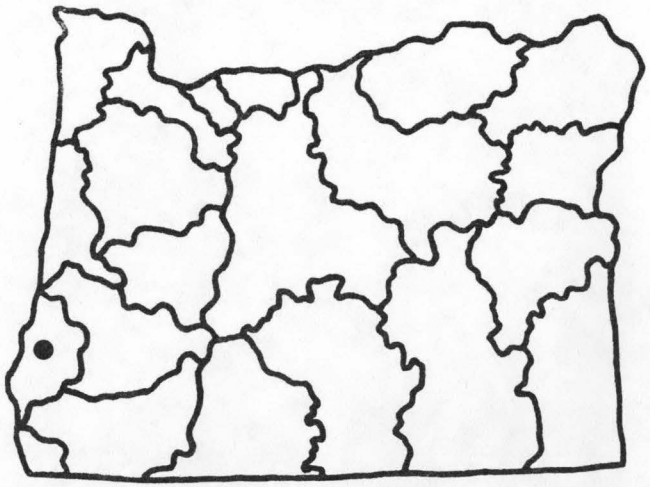
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.6	.12	1.05	1.000
80	7.1	.32	2.58	.922
50	55.1	2.50	15.00	.685
30	162.3	7.36	32.03	.497
10	453.9	20.58	55.19	.306

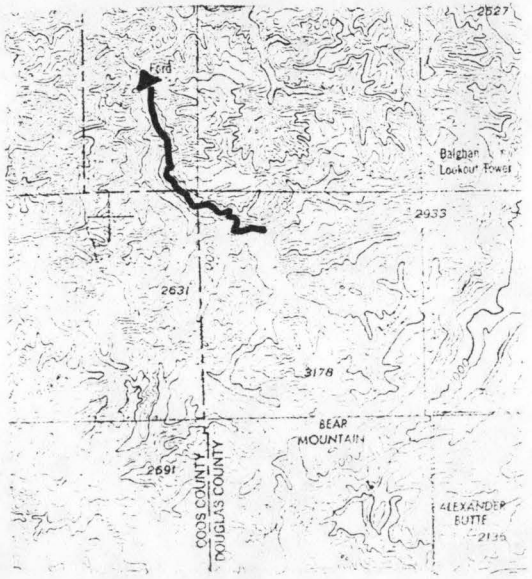
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 158 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.8, T27S, R8W
D.	Latitude, Longitude	43°12'N,123°52'W
E.	Stream Name	Williams River
F.	Major Basin Name	South Coast
G.	River Mile	17.2 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

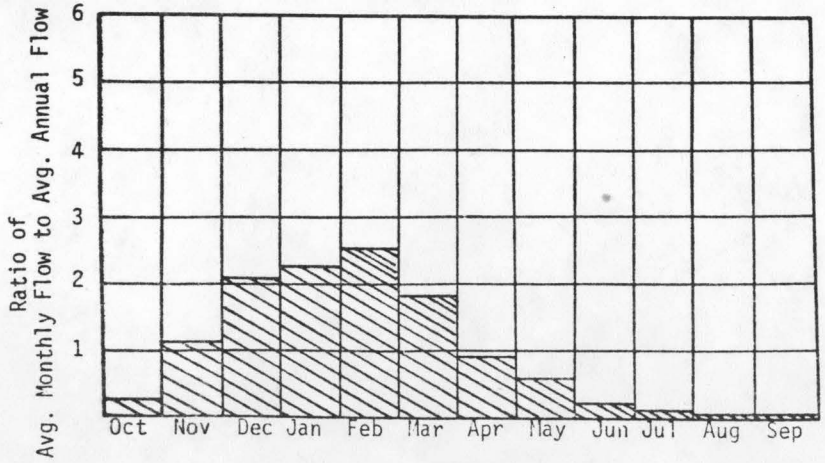
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	30.3	Sq.Mi.
F.	Inflow Classification	Natural	

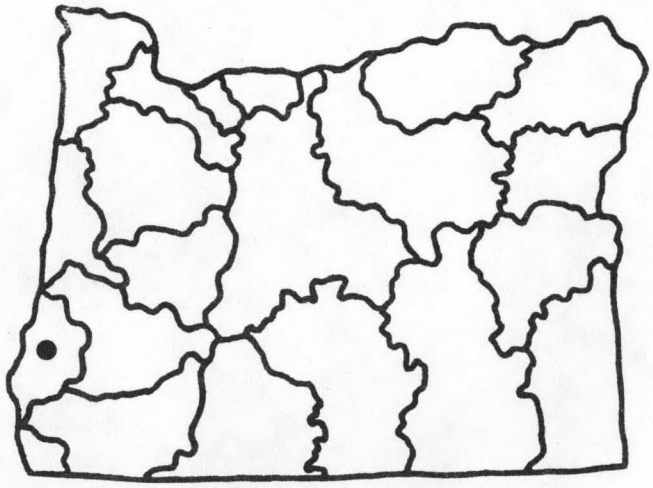
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.4	.01	.07	1.000
80	4.1	.02	.18	.918
50	34.6	.19	1.16	.682
30	103.8	.58	2.51	.494
10	286.2	1.60	4.30	.307

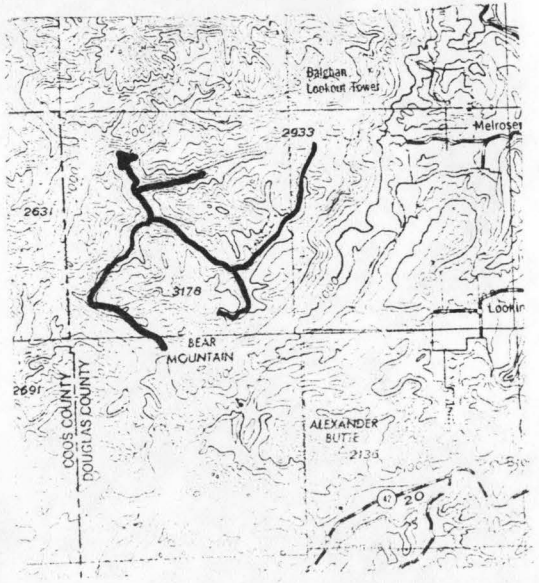
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 99 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-011-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.20, T26S, R9W
D.	Latitude, Longitude	43°18'N,123°48'W
E.	Stream Name	Tioga Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 4.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

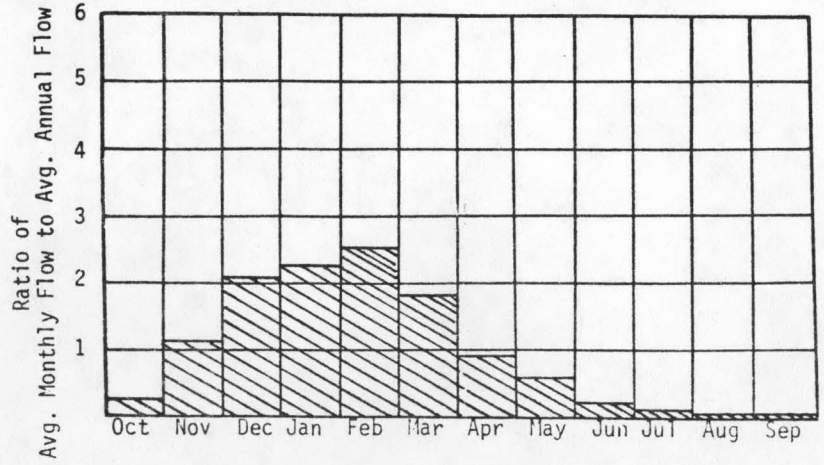
A.	Upstream Elevation of Reach	588	Ft. MSL
B.	Downstream Elevation of Reach	451	Ft. MSL
C.	Total Available Head in Reach	137	Ft.
D.	Average Slope in Reach	28.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	38.7	Sq.Mi.
F.	Inflow Classification	Natural	

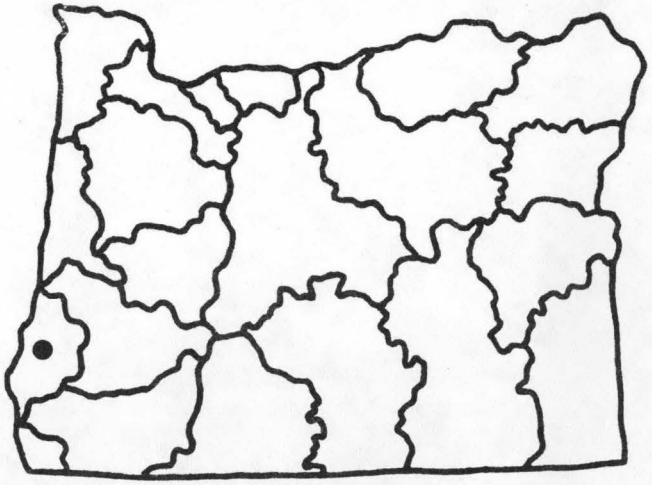
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.9	.02	.20	1.000
80	5.4	.06	.50	.920
50	43.8	.51	3.04	.683
30	130.1	1.51	6.55	.495
10	361.2	4.19	11.25	.306

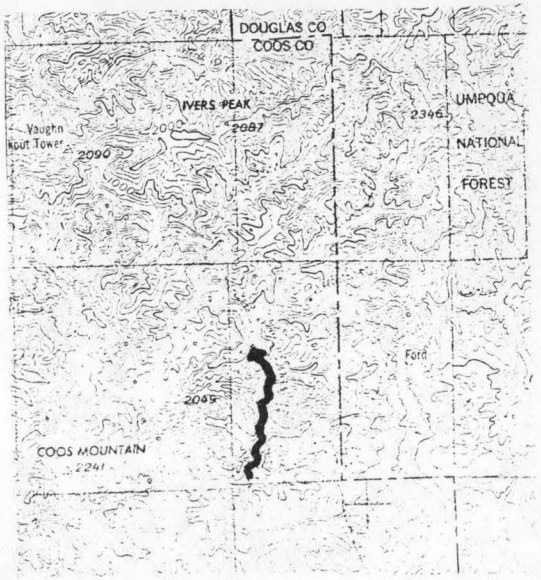
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 125 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-011-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.31, T27S, R9W
D.	Latitude, Longitude	43°13'N,123°48'W
E.	Stream Name	Tioga Creek
F.	Major Basin Name	South Coast
G.	River Mile	4.9 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

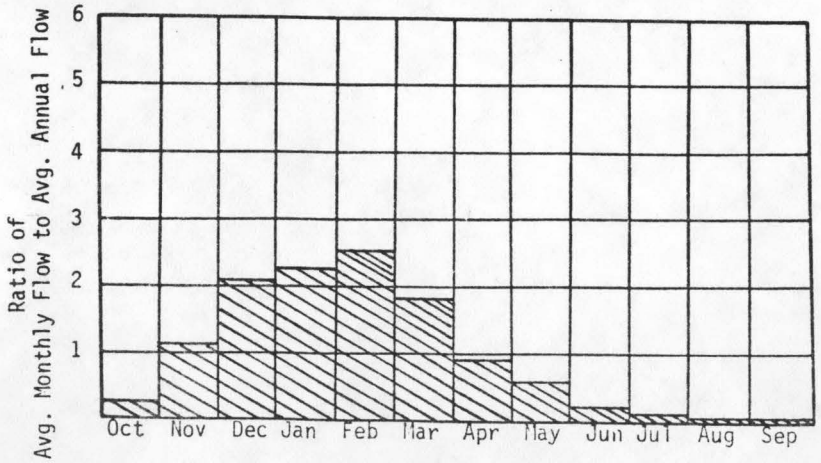
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	25.5	Sq.Mi.
F.	Inflow Classification	Natural	

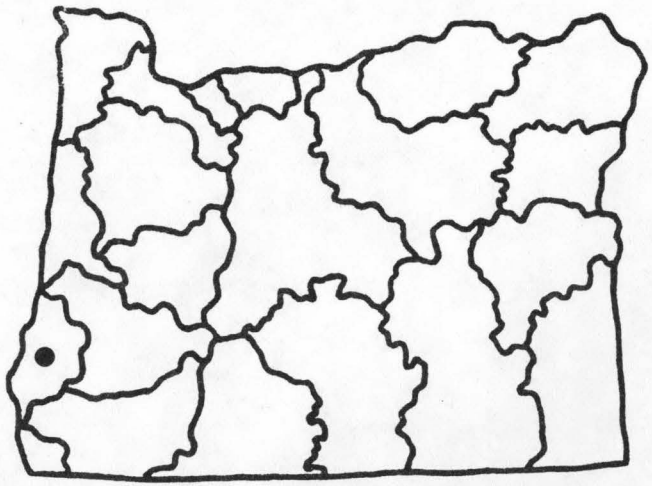
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.4	.01	.07	1.000
80	4.1	.02	.18	.918
50	34.5	.19	1.15	.682
30	103.5	.58	2.51	.494
10	285.3	1.60	4.29	.307

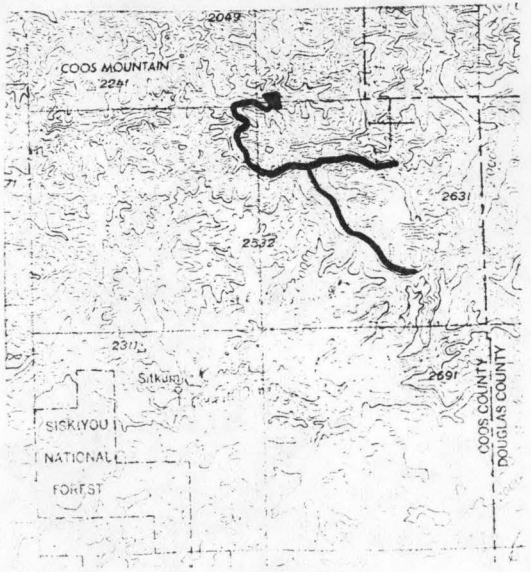
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 99 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.17, T28S, R14W
D.	Latitude, Longitude	43°10'N,124°22'W
E.	Stream Name	Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 8.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

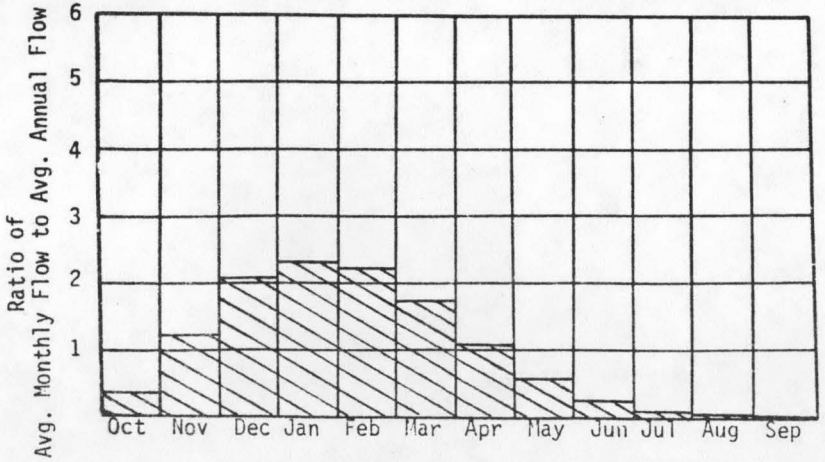
A.	Upstream Elevation of Reach	1	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	1	Ft.
D.	Average Slope in Reach	0	Ft./Mi.
E.	Drainage Area above Reach Mouth	1051.9	Sq.Mi.
F.	Inflow Classification	Natural	

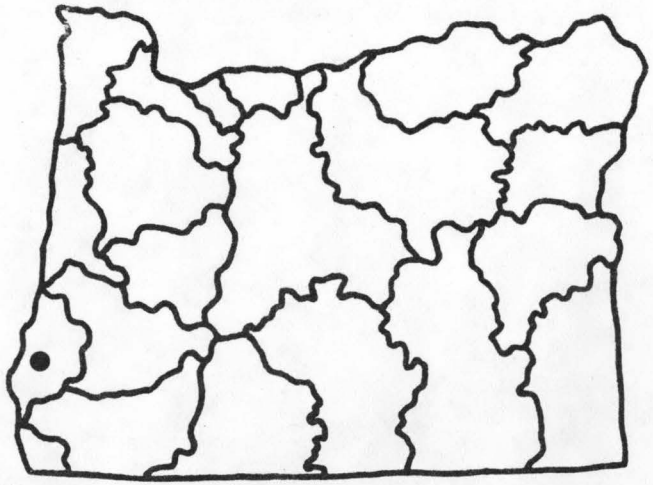
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	169.7	.01	.13	1.000
80	266.3	.02	.19	.955
50	1234.0	.10	.66	.716
30	3228.8	.27	1.25	.521
10	9933.7	.84	2.24	.304

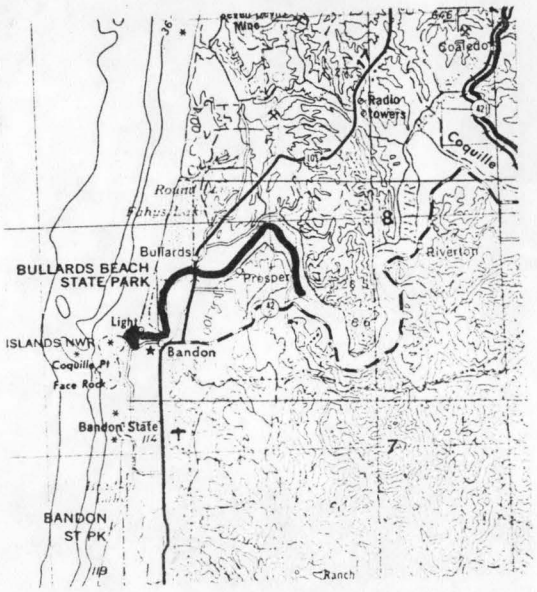
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3478 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.18, T28S, R13W
D.	Latitude, Longitude	43°08'N,124°17'W
E.	Stream Name	Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	8.4 to 19.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

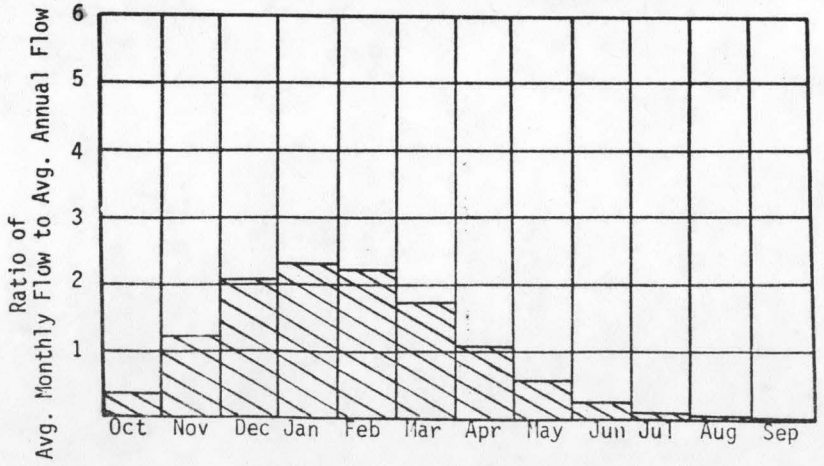
A.	Upstream Elevation of Reach	9	Ft. MSL
B.	Downstream Elevation of Reach	1	Ft. MSL
C.	Total Available Head in Reach	8	Ft.
D.	Average Slope in Reach	0.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	1000.0	Sq.Mi.
F.	Inflow Classification	Natural	

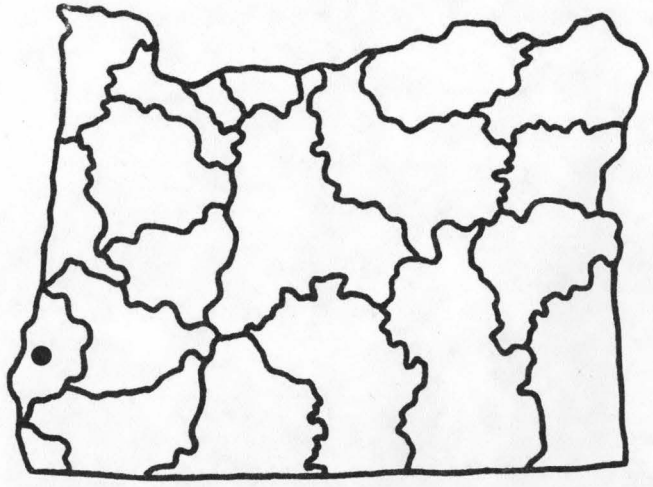
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	161.6	.11	.96	1.000
80	255.1	.17	1.45	.954
50	1189.4	.81	5.05	.715
30	3116.3	2.11	9.63	.520
10	9577.0	6.49	17.30	.304

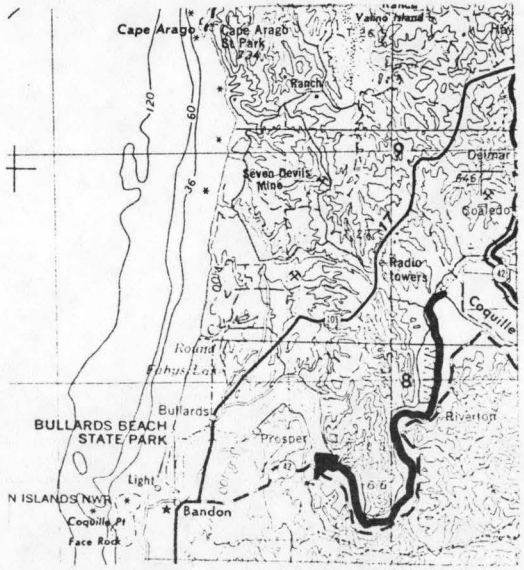
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3353 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.1, T28S, R13W
D.	Latitude, Longitude	43°10'N,124°11'W
E.	Stream Name	Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	19.7 to 30.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

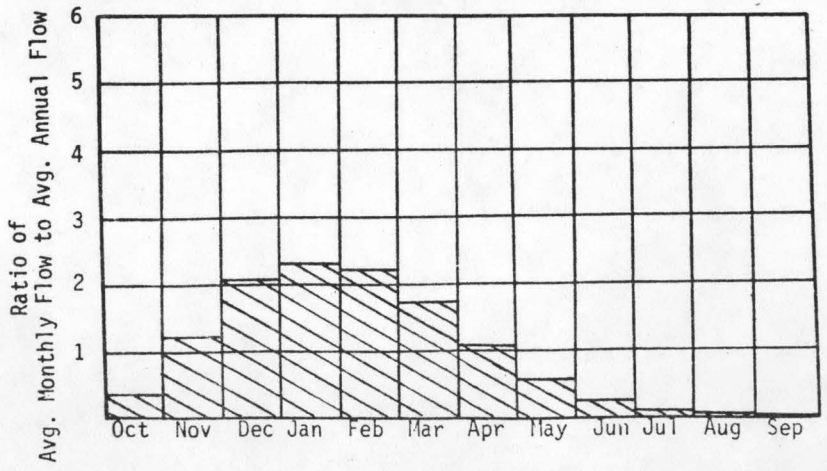
A.	Upstream Elevation of Reach	16	Ft. MSL
B.	Downstream Elevation of Reach	8	Ft. MSL
C.	Total Available Head in Reach	7	Ft.
D.	Average Slope in Reach	0.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	957.4	Sq.Mi.
F.	Inflow Classification	Natural	

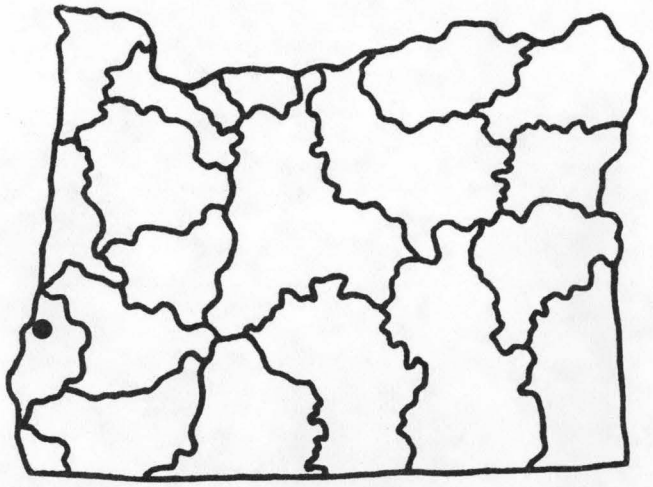
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	153.5	.09	.80	1.000
80	243.9	.14	1.21	.954
50	1144.9	.68	4.25	.715
30	3004.1	1.78	8.12	.520
10	9221.1	5.47	14.58	.304

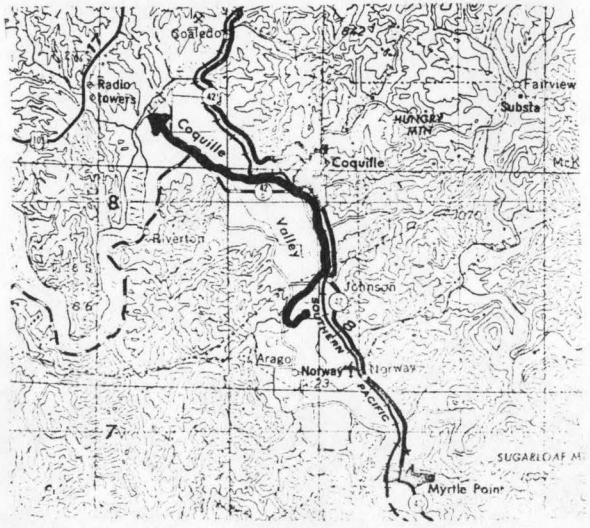
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3229 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.36, T28S, R12W
D.	Latitude, Longitude	43°06'N,124°10'W
E.	Stream Name	Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	30.0 to 36.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

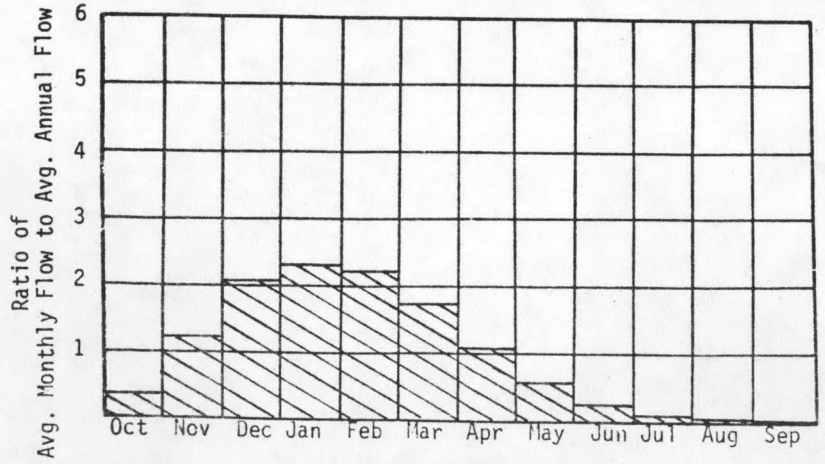
A.	Upstream Elevation of Reach	20	Ft. MSL
B.	Downstream Elevation of Reach	16	Ft. MSL
C.	Total Available Head in Reach	4	Ft.
D.	Average Slope in Reach	0.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	905.1	Sq.Mi.
F.	Inflow Classification	Natural	

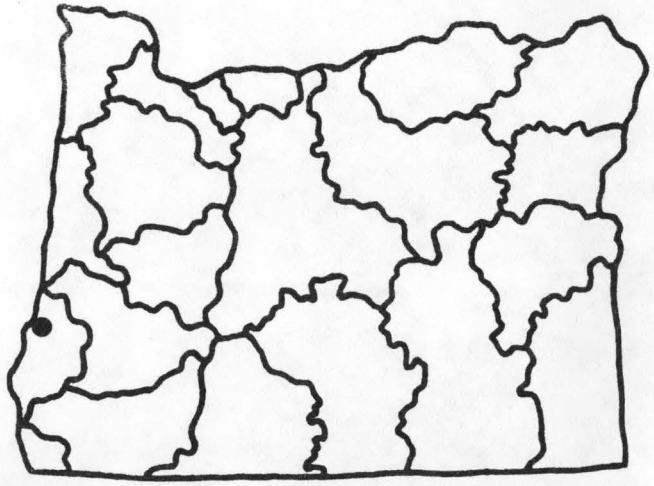
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	147.1	.05	.44	1.000
80	235.0	.08	.67	.953
50	1109.0	.38	2.35	.714
30	2913.4	.99	4.50	.520
10	8934.2	3.03	8.07	.304

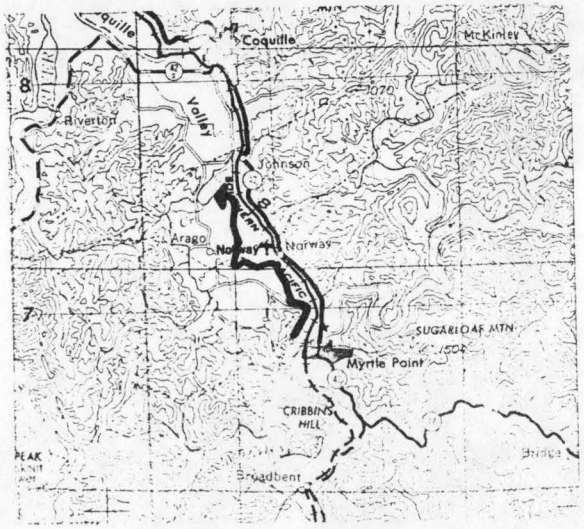
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3128 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.10, T29S, R12W
D.	Latitude, Longitude	43°04'N.124°06'W
E.	Stream Name	North Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 9.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

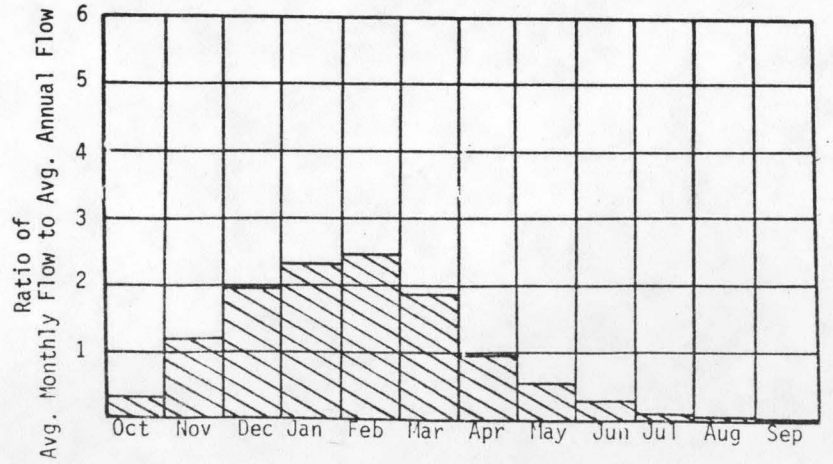
A.	Upstream Elevation of Reach	40	Ft. MSL
B.	Downstream Elevation of Reach	20	Ft. MSL
C.	Total Available Head in Reach	20	Ft.
D.	Average Slope in Reach	2.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	289.0	Sq.Mi.
F.	Inflow Classification	Natural	

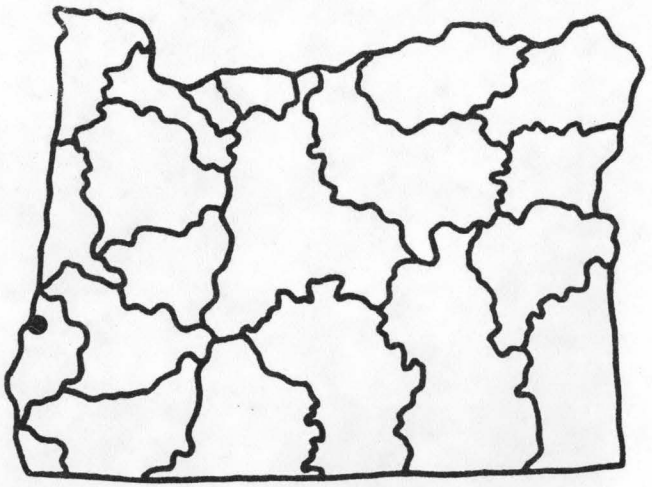
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	36.8	.06	.55	1.000
80	70.2	.12	.98	.940
50	394.2	.67	4.11	.702
30	1076.9	1.83	8.16	.510
10	3199.1	5.42	14.46	.305

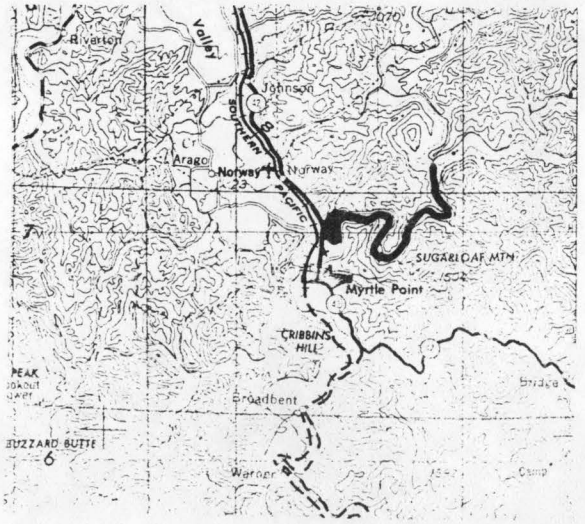
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1116 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-003-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.21, T26S, R11W
D.	Latitude, Longitude	43°08'N,124°00'W
E.	Stream Name	East Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 11.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

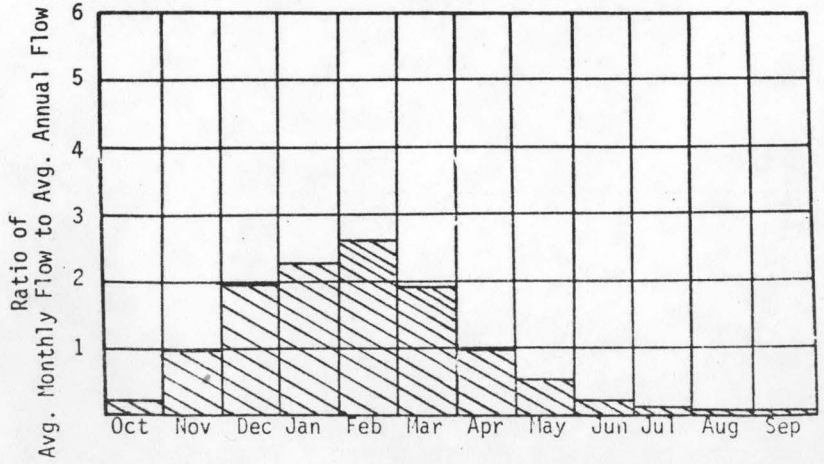
A.	Upstream Elevation of Reach	75	Ft. MSL
B.	Downstream Elevation of Reach	40	Ft. MSL
C.	Total Available Head in Reach	35	Ft.
D.	Average Slope in Reach	3.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	135.0	Sq.Mi.
F.	Inflow Classification	Natural	

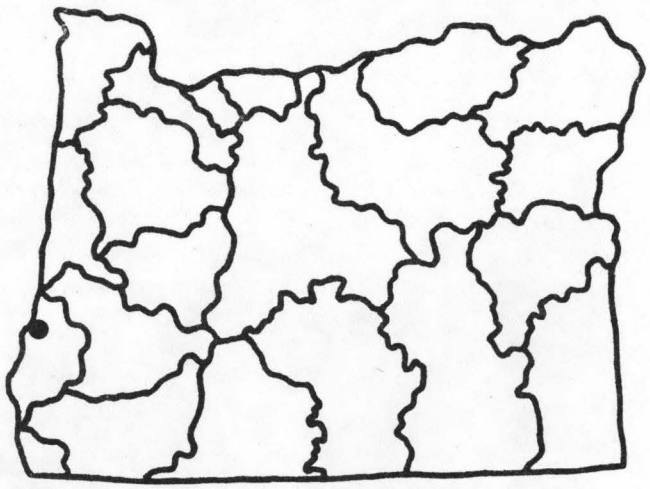
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.6	.03	.25	1.000
80	21.8	.06	.53	.930
50	144.9	.43	2.61	.692
30	411.2	1.22	5.37	.503
10	1184.5	3.51	9.39	.305

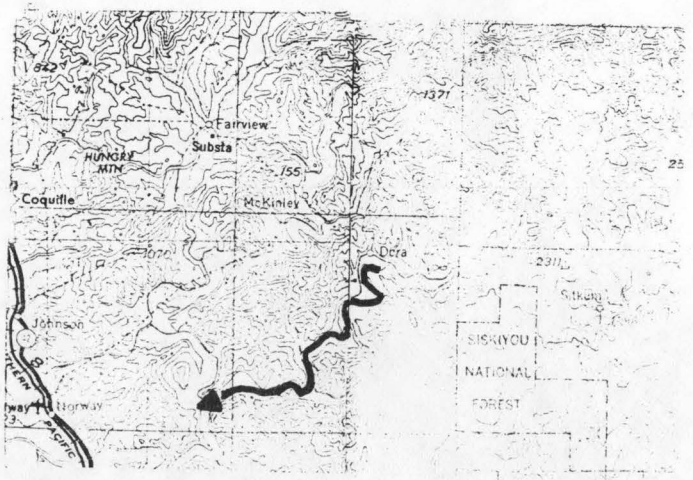
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 413 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-003-000-R0002

I. LOCATION

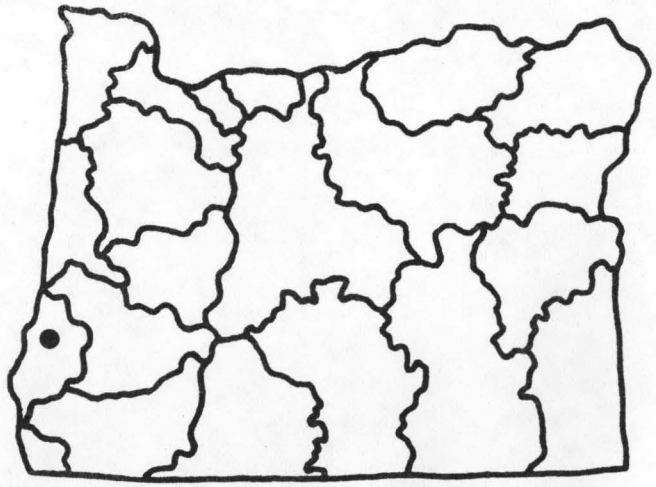
A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.6, T28S, R10W	
D. Latitude, Longitude	43°09'N,123°56'W	
E. Stream Name	East Fork Coquille River	
F. Major Basin Name	South Coast	
G. River Mile	11.0 to 20.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	593	Ft. MSL
B. Downstream Elevation of Reach	75	Ft. MSL
C. Total Available Head in Reach	518	Ft.
D. Average Slope in Reach	54	Ft./Mi.
E. Drainage Area above Reach Mouth	101	Sq.Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

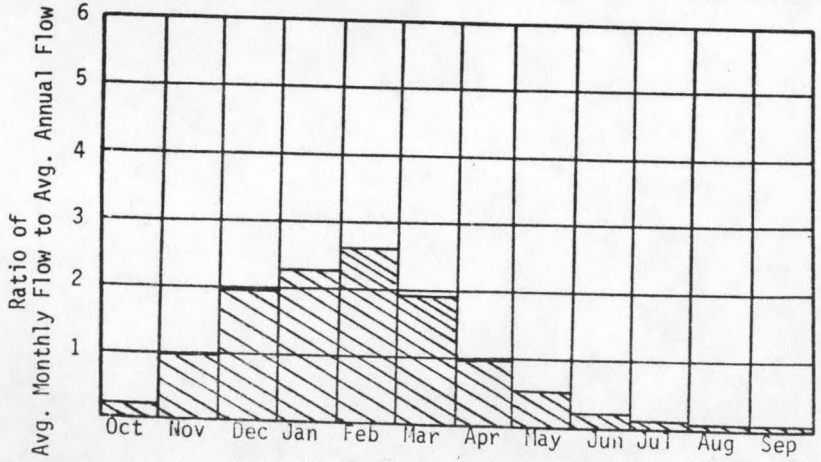
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.9	.30	2.65	1.000
80	16.3	.71	5.81	.928
50	112.8	4.95	29.94	.690
30	323.2	14.19	62.31	.501
10	923.9	40.56	108.50	.305

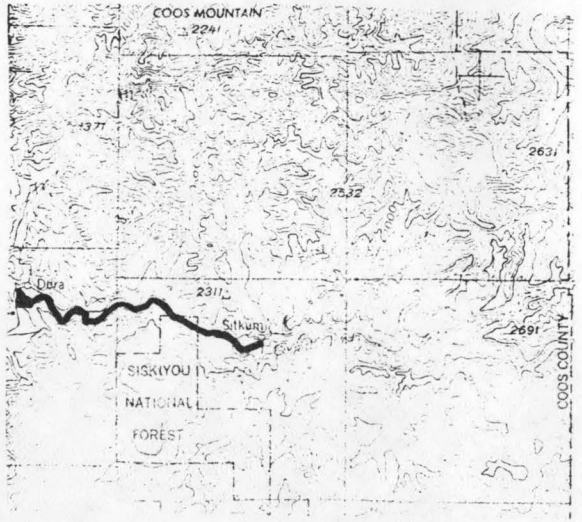


U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 322 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-003-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.11, T28S, R10W	
D. Latitude, Longitude	43°09'N,123°50'W	
E. Stream Name	East Fork Coquille River	
F. Major Basin Name	South Coast	
G. River Mile	20.6 to 23.4	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

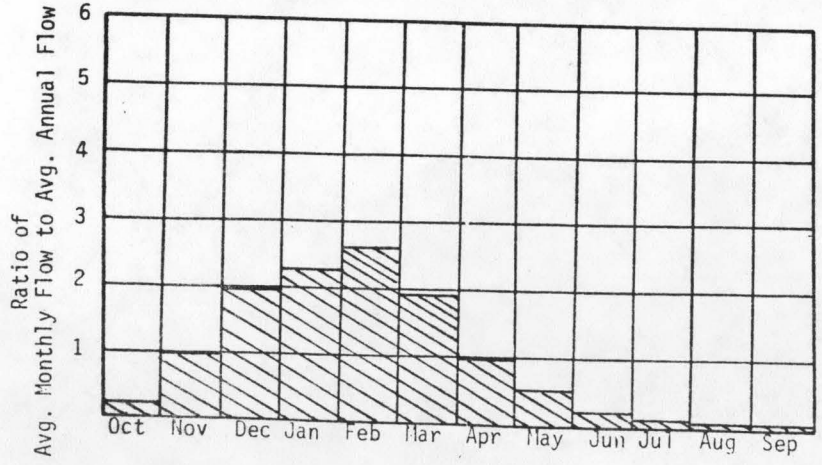
A. Upstream Elevation of Reach	626	Ft. MSL
B. Downstream Elevation of Reach	593	Ft. MSL
C. Total Available Head in Reach	33	Ft.
D. Average Slope in Reach	11.8	Ft./Mi.
E. Drainage Area above Reach Mouth	77.6	Sq.Mi.
F. Inflow Classification	Natural	

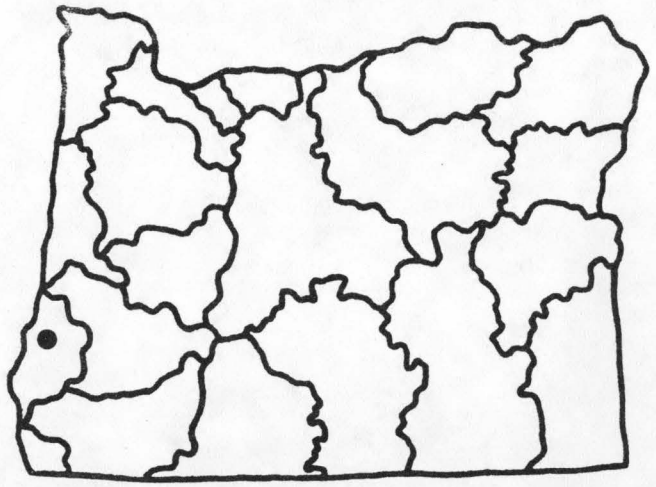
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.4	.01	.11	1.000
80	11.0	.03	.25	.925
50	80.8	.23	1.36	.688
30	234.4	.66	2.87	.499
10	663.2	1.85	4.97	.306

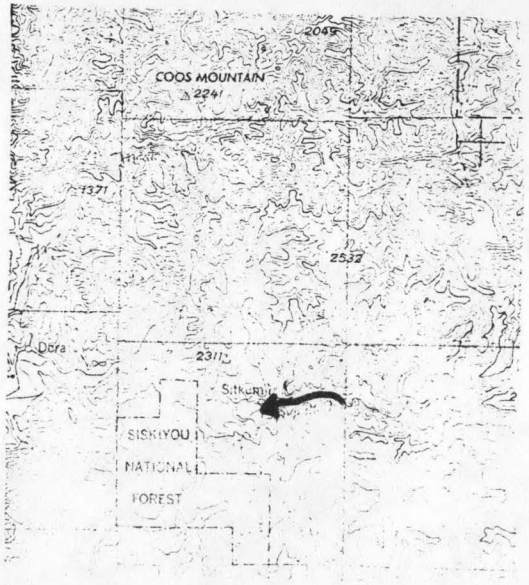
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 230 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-003-000-R0004

I. LOCATION

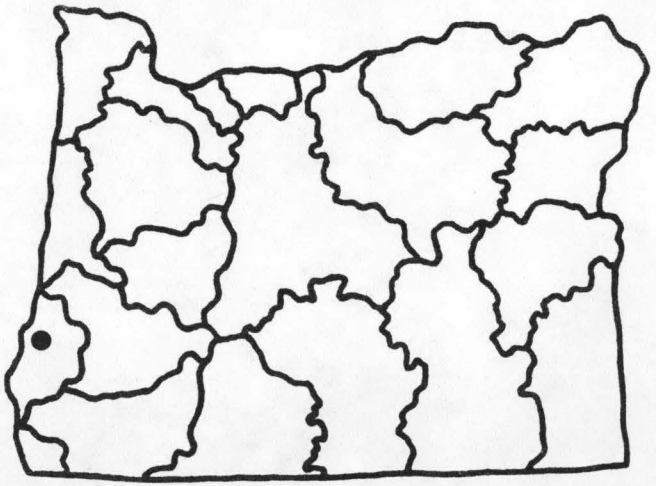
A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.12, T28S, R9W
D.	Latitude, Longitude	43°08'N,123°45'W
E.	Stream Name	East Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	23.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	50.8	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

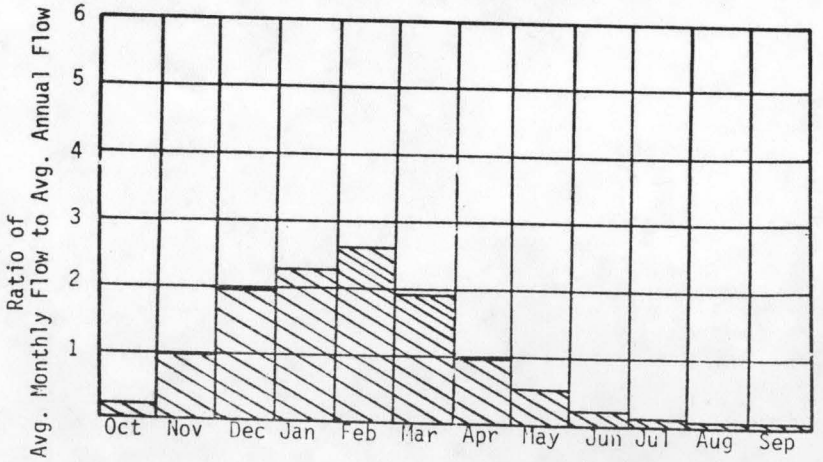
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.1	.02	.15	1.000
80	8.2	.05	.37	.923
50	63.0	.35	2.12	.686
30	184.4	1.03	4.50	.498
10	517.8	2.90	7.76	.306

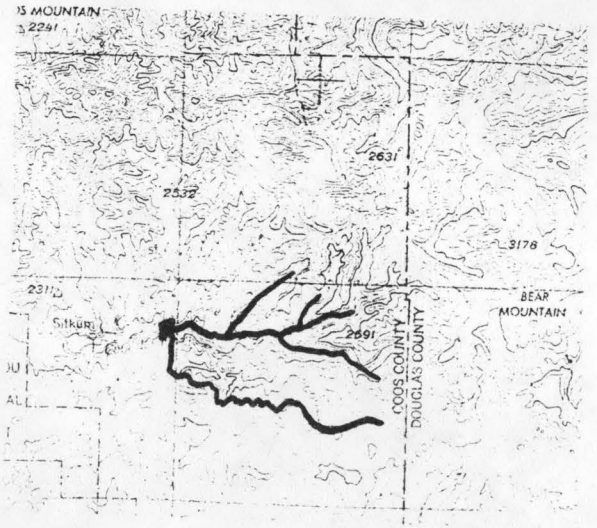


U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 180 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.22, T28S, R12W	
D. Latitude, Longitude	43°08'N,123°50'W	
E. Stream Name	North Fork Coquille River	
F. Major Basin Name	South Coast	
G. River Mile	9.0 to 18.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

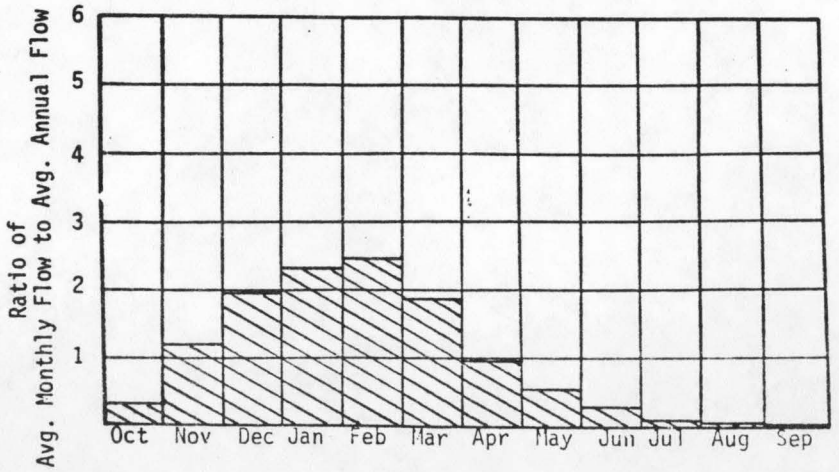
A. Upstream Elevation of Reach	60	Ft. MSL
B. Downstream Elevation of Reach	40	Ft. MSL
C. Total Available Head in Reach	20	Ft.
D. Average Slope in Reach	2.0	Ft./Mi.
E. Drainage Area above Reach Mouth	140.0	Sq.Mi.
F. Inflow Classification	Natural	

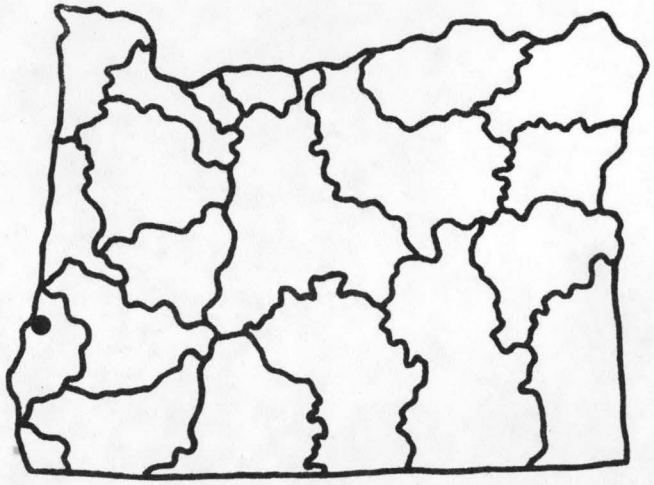
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	16.5	.03	.24	1.000
80	34.9	.06	.48	.934
50	216.6	.37	2.24	.696
30	605.4	1.03	4.55	.506
10	1765.4	2.99	7.99	.305

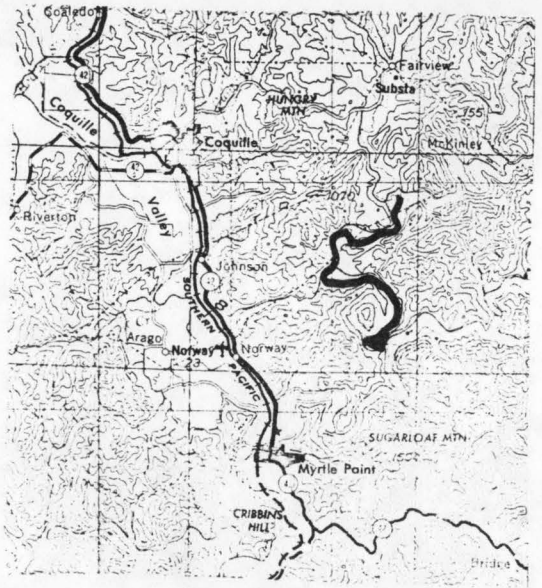
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 616 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.5, T28S, R11W
D.	Latitude, Longitude	43°11'N,124°02'W
E.	Stream Name	Middle Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 8.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

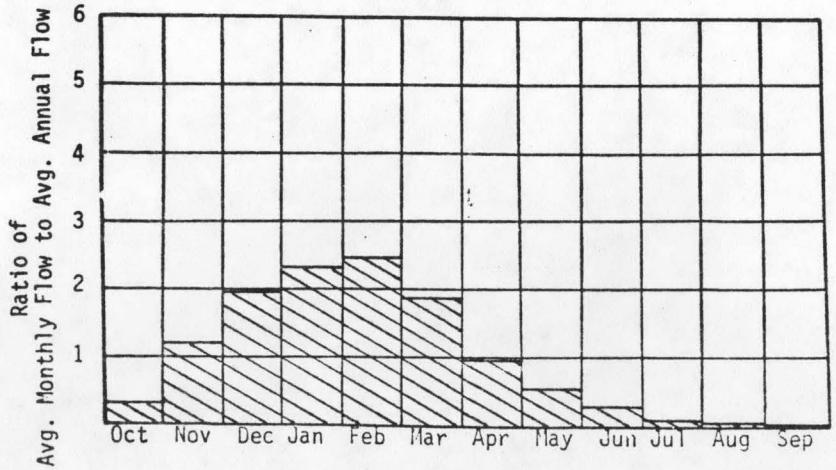
A.	Upstream Elevation of Reach	130	Ft. MSL
B.	Downstream Elevation of Reach	60	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	8.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	57.1	Sq.Mi.
F.	Inflow Classification	Natural	

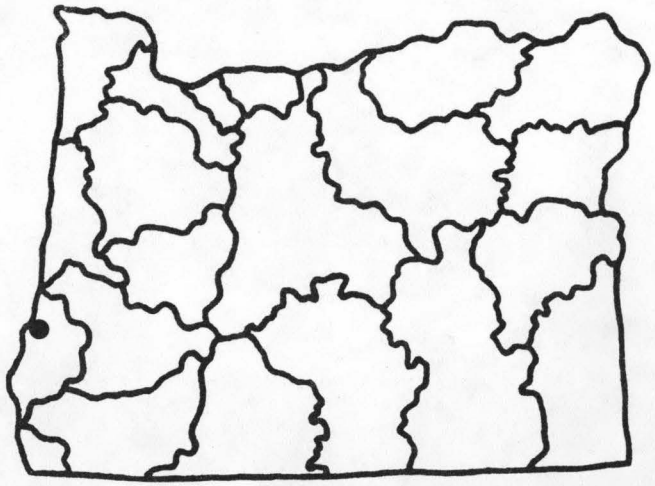
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.4	.01	.12	1.000
80	6.4	.04	.31	.921
50	50.9	.30	1.81	.684
30	150.2	.89	3.87	.496
10	419.0	2.49	6.67	.306

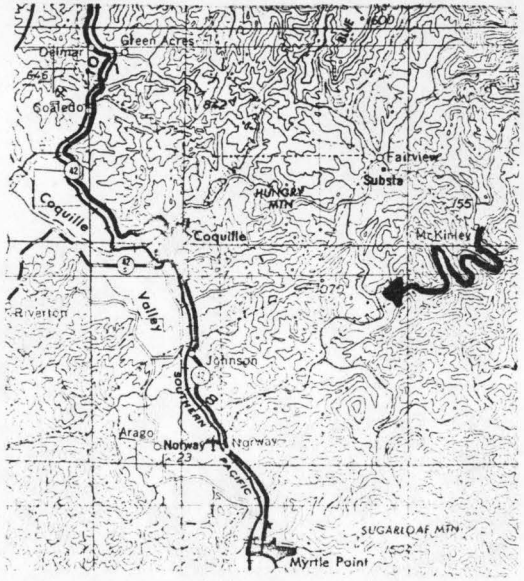
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 145 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-005-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.33, T27S, R11W
D.	Latitude, Longitude	43°15'N,123°57'W
E.	Stream Name	Middle Creek
F.	Major Basin Name	South Coast
G.	River Mile	8.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

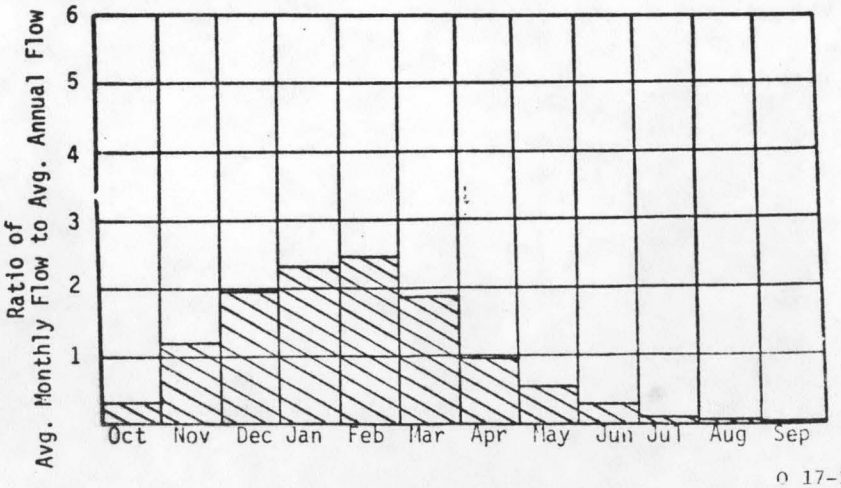
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	30.4	Sq.Mi.
F.	Inflow Classification	Natural	

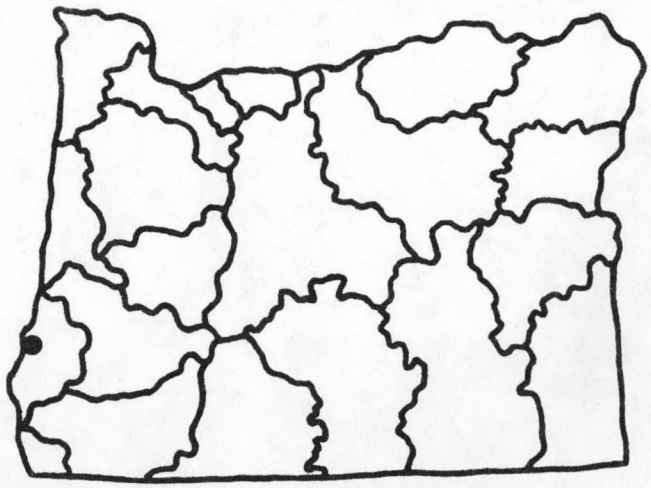
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.7	.01	.08	1.000
80	4.7	.03	.21	.919
50	39.0	.22	1.30	.682
30	116.2	.65	2.82	.495
10	321.6	1.80	4.83	.307

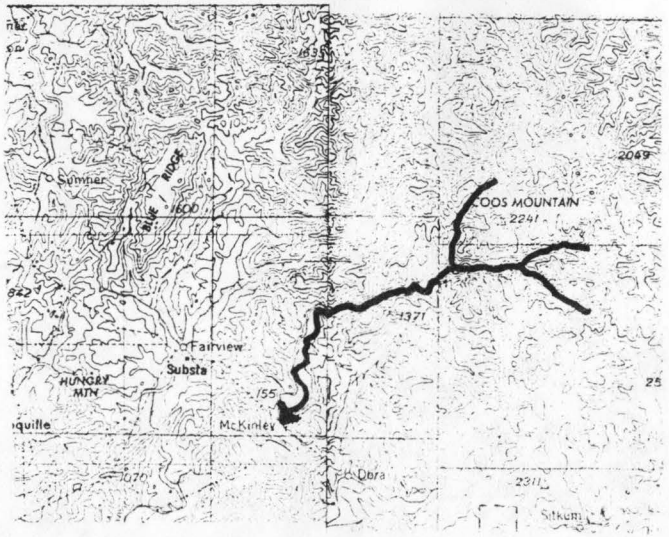
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.26, T27S. R12W	
D. Latitude, Longitude	43°13'N,124°05'W	
E. Stream Name	North Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	18.8 to 29.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

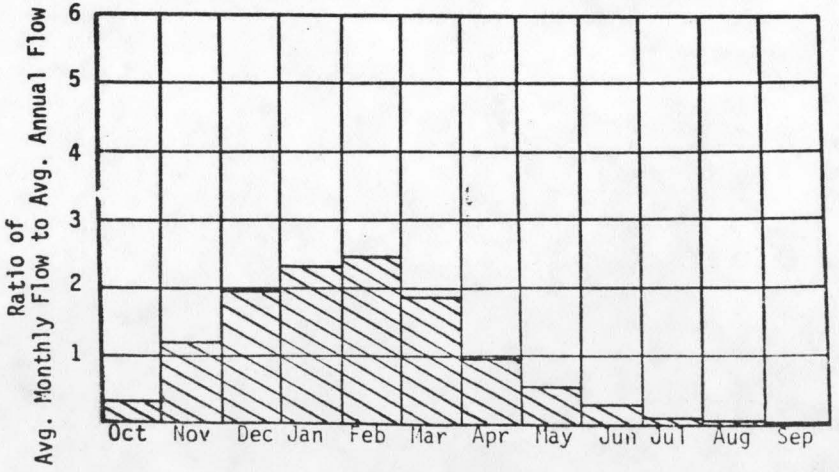
A. Upstream Elevation of Reach	137	Ft. MSL
B. Downstream Elevation of Reach	60	Ft. MSL
C. Total Available Head in Reach	77	Ft.
D. Average Slope in Reach	7.2	Ft./Mi.
E. Drainage Area above Reach Mouth	75.7	Sq.Mi.
F. Inflow Classification	Natural	

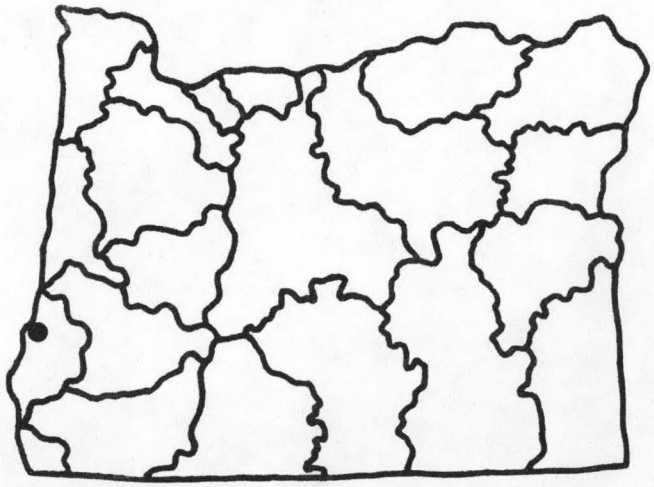
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.4	.06	.48	1.000
80	19.5	.13	1.03	.929
50	131.4	.86	5.19	.691
30	374.3	2.44	10.75	.502
10	1074.9	7.01	18.76	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 375 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.4, T26S, R11W	
D. Latitude, Longitude	43°16'N,124°00'W	
E. Stream Name	North Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	29.5 to 37.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

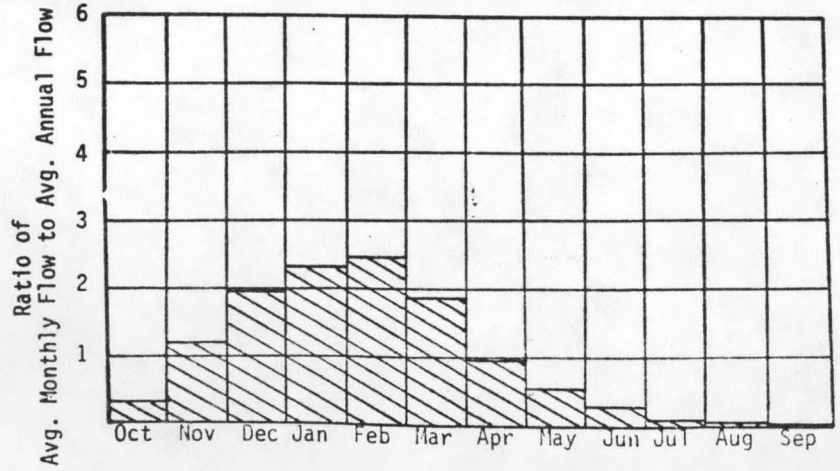
A. Upstream Elevation of Reach	252	Ft. MSL
B. Downstream Elevation of Reach	137	Ft. MSL
C. Total Available Head in Reach	115	Ft.
D. Average Slope in Reach	15.3	Ft./Mi.
E. Drainage Area above Reach Mouth	48.5	Sq.Mi.
F. Inflow Classification	Natural	

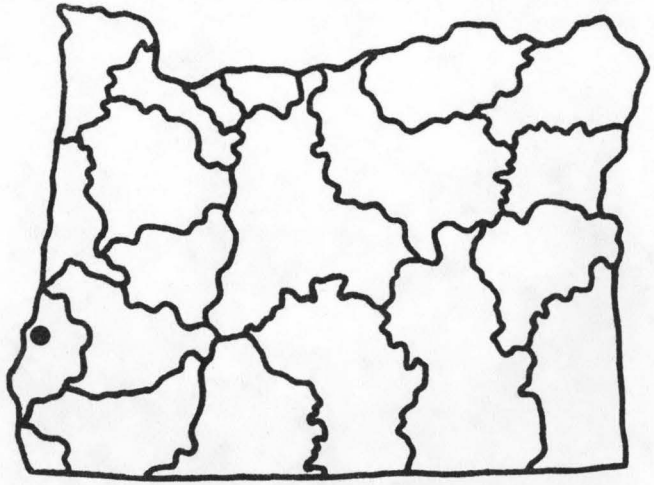
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.04	.35	1.000
80	10.4	.10	.82	.924
50	76.6	.75	4.49	.687
30	222.7	2.17	9.48	.499
10	629.0	6.13	16.42	.306

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 219 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.20, T26S, R11W
D.	Latitude, Longitude	43°19'N,123°57'W
E.	Stream Name	North Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	37.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

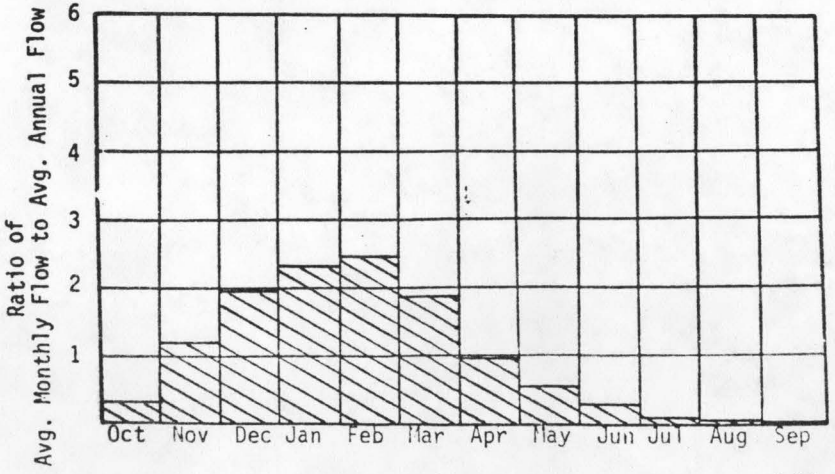
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	26.7	Sq.Mi.
F.	Inflow Classification	Natural	

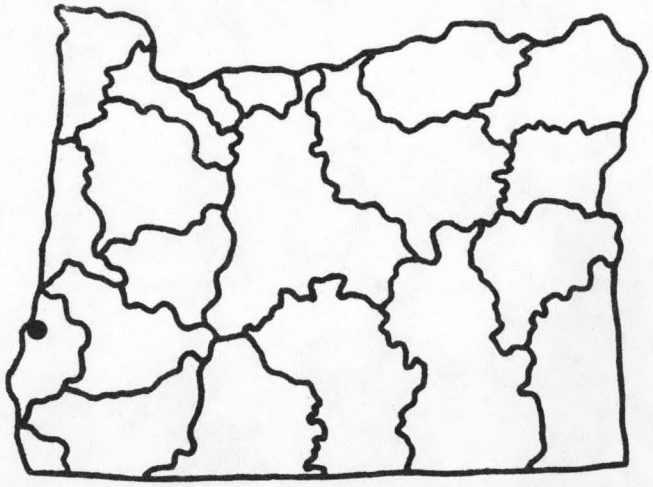
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.5	.01	.08	1.000
80	4.4	.02	.20	.919
50	36.9	.21	1.23	.682
30	110.4	.62	2.67	.494
10	304.9	1.71	4.58	.307

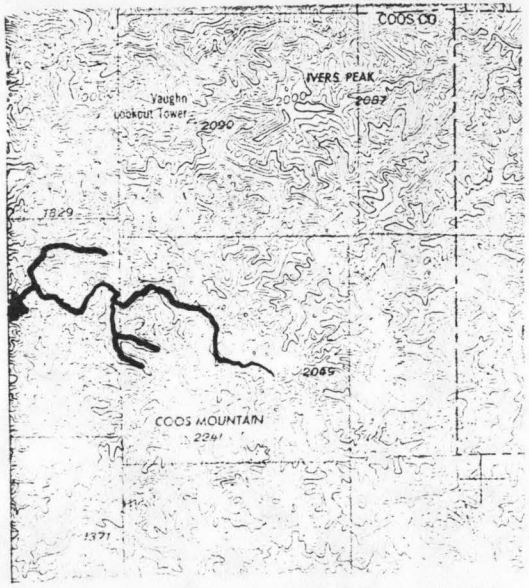
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 106 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.20, T29S, R12W
D.	Latitude, Longitude	43°03'N,124°09'W
E.	Stream Name	South Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 4.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

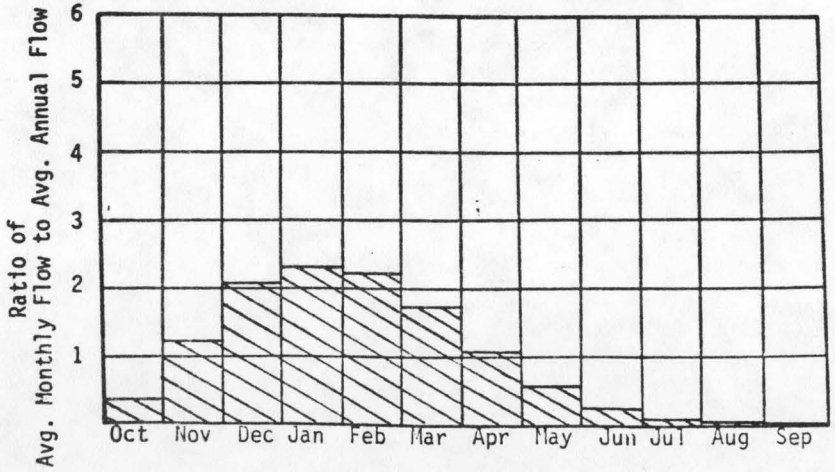
A.	Upstream Elevation of Reach	39	Ft. MSL
B.	Downstream Elevation of Reach	32	Ft. MSL
C.	Total Available Head in Reach	7	Ft.
D.	Average Slope in Reach	1.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	591	Sq.Mi.
F.	Inflow Classification	Natural	

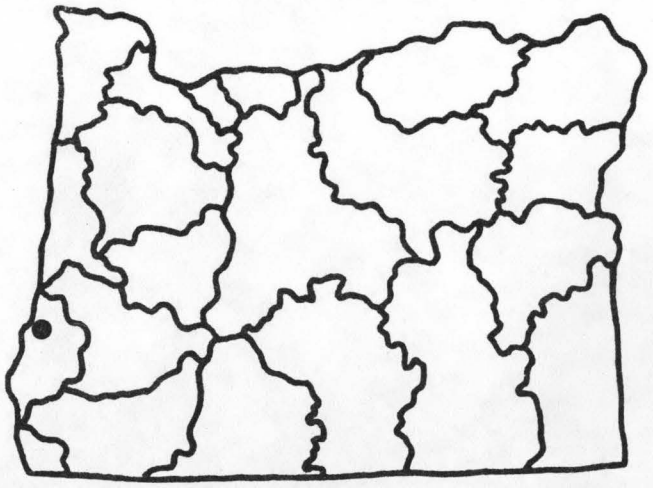
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	75.9	.05	.39	1.000
80	132.0	.08	.65	.947
50	676.6	.40	2.49	.708
30	1811.0	1.07	4.85	.515
10	5469.8	3.24	8.65	.304

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1913 CFS





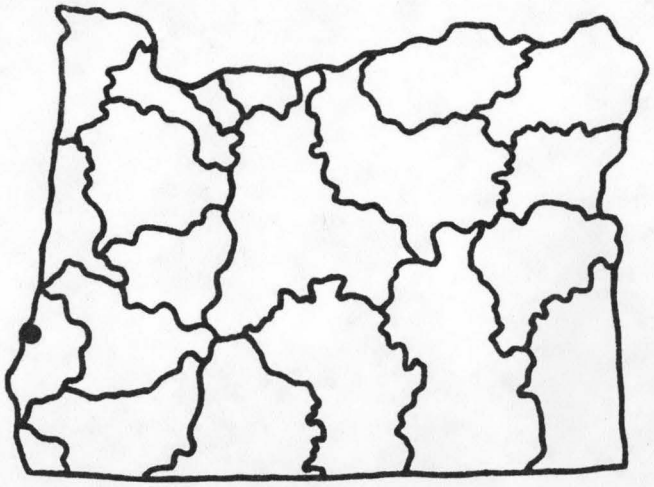
U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.24, T29S, R12W	
D. Latitude, Longitude	43°02'N,124°04'W	
E. Stream Name	Middle Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 8.8	



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

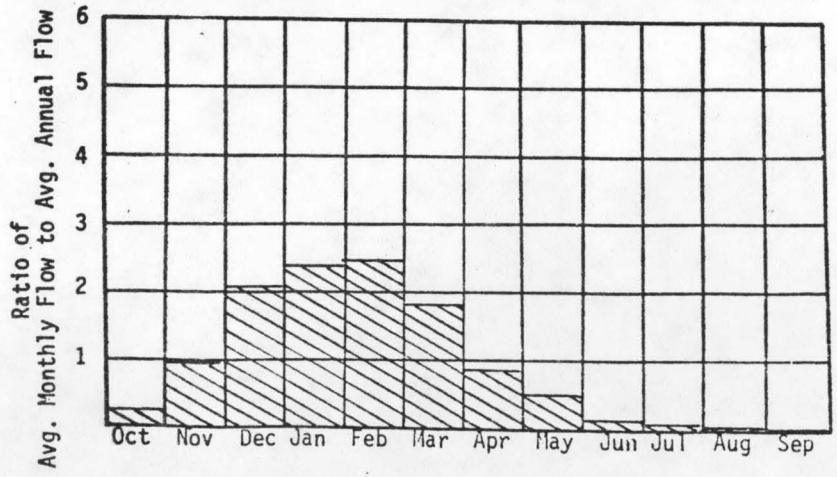
A. Upstream Elevation of Reach	100	Ft. MSL
B. Downstream Elevation of Reach	39	Ft. MSL
C. Total Available Head in Reach	61	Ft.
D. Average Slope in Reach	6.9	Ft./Mi.
E. Drainage Area above Reach Mouth	307	Sq.Mi.
F. Inflow Classification	Natural	

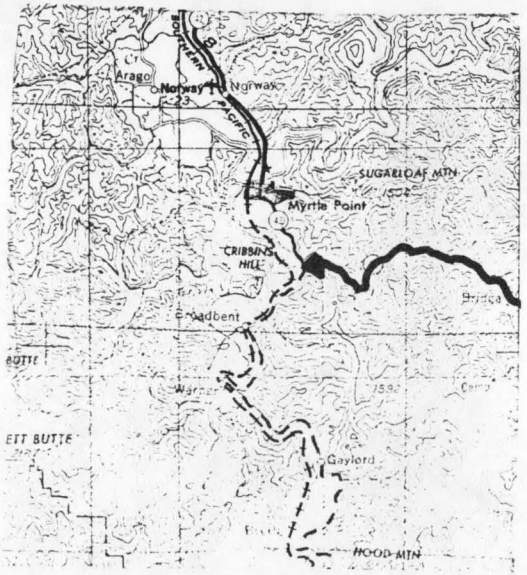
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	25.0	.13	1.13	1.000
80	50.1	.26	2.12	.937
50	295.1	1.53	9.34	.699
30	815.0	4.21	18.76	.508
10	2399.6	12.40	33.11	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 837 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-002-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.4, T30S, R11W
D.	Latitude, Longitude	43°00'N,124°00'W
E.	Stream Name	Myrtle Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 4.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

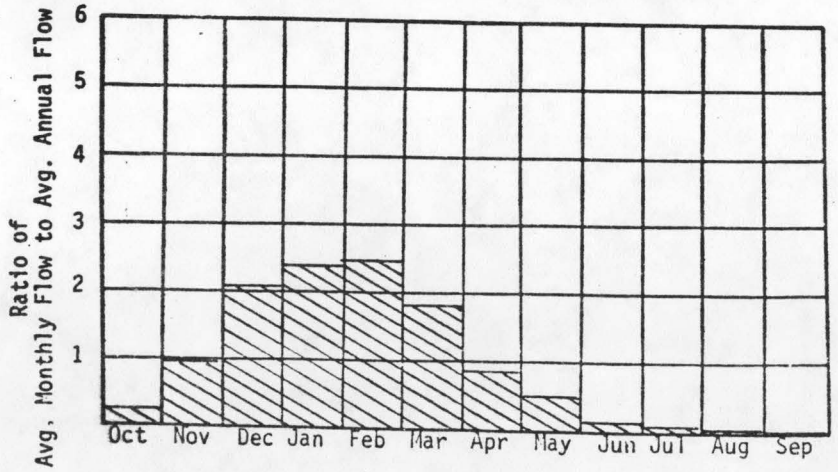
A.	Upstream Elevation of Reach	210	Ft. MSL
B.	Downstream Elevation of Reach	100	Ft. MSL
C.	Total Available Head in Reach	110	Ft.
D.	Average Slope in Reach	27.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	71.2	Sq.Mi.
F.	Inflow Classification	Natural	

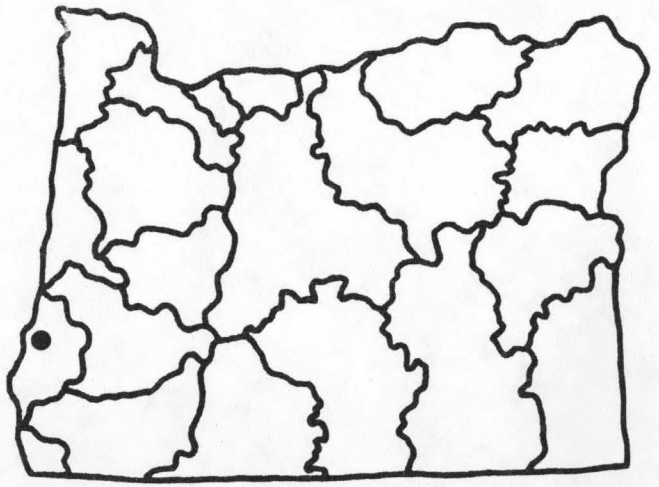
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.04	.34	1.000
80	10.6	.10	.80	.925
50	77.9	.73	4.37	.687
30	226.2	2.11	9.22	.499
10	639.3	5.96	15.96	.306

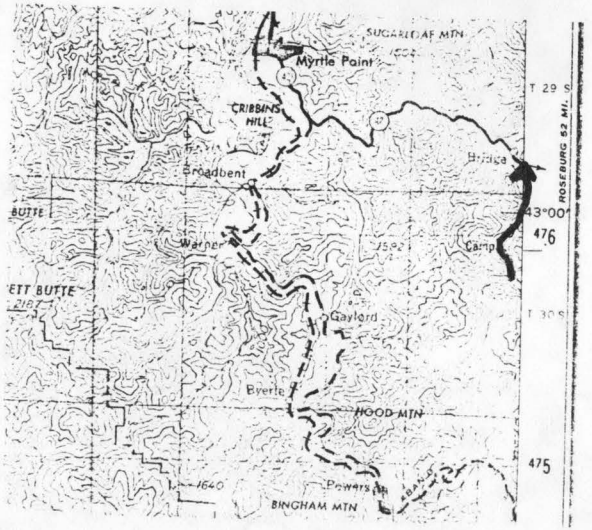
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 222 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-ROSEBURG-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-002-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.16, T30S, R10W
D.	Latitude, Longitude	42°55'N.123°55'W
E.	Stream Name	Rock Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

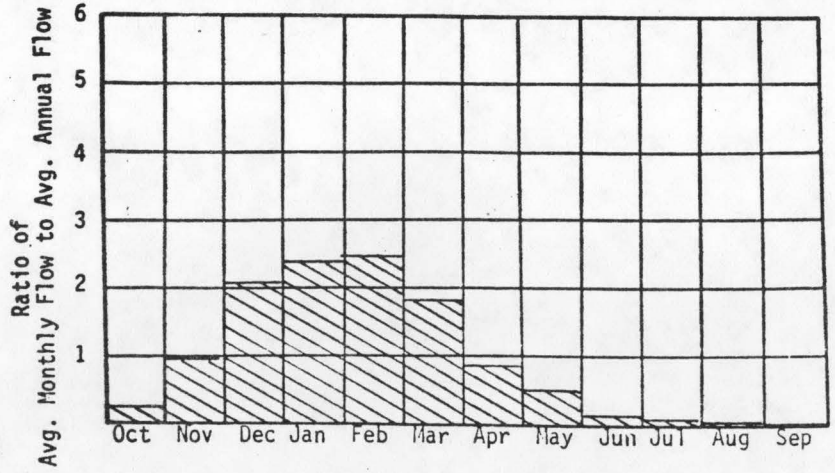
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	36.8	Sq.Mi.
F.	Inflow Classification	Natural	

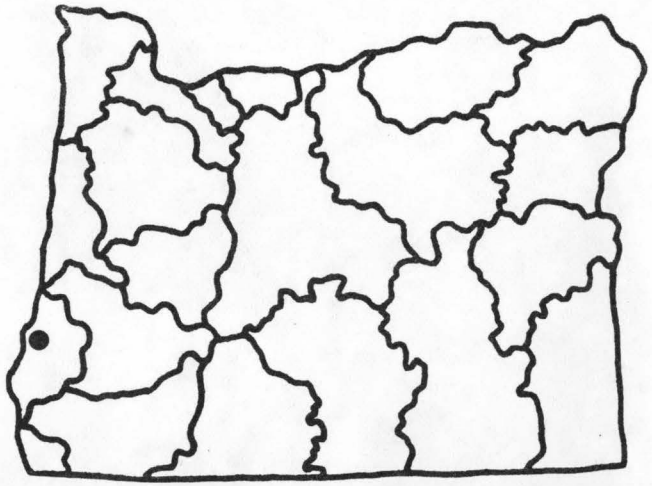
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.0	.01	.10	1.000
80	5.5	.03	.25	.920
50	44.7	.25	1.50	.683
30	132.8	.74	3.22	.495
10	368.9	2.06	5.54	.306

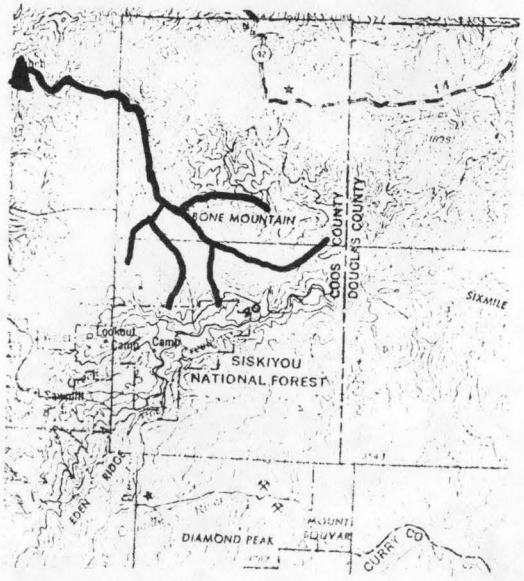
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 128 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-002-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.16, T30S, R11W
D.	Latitude, Longitude	42°56'N,124°00'W
E.	Stream Name	Myrtle Creek
F.	Major Basin Name	South Coast
G.	River Mile	4.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

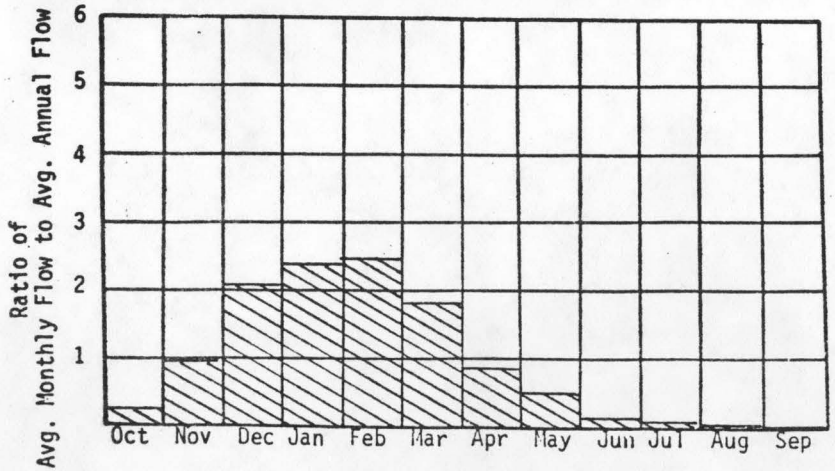
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	27.5	Sq.Mi.
F.	Inflow Classification	Natural	

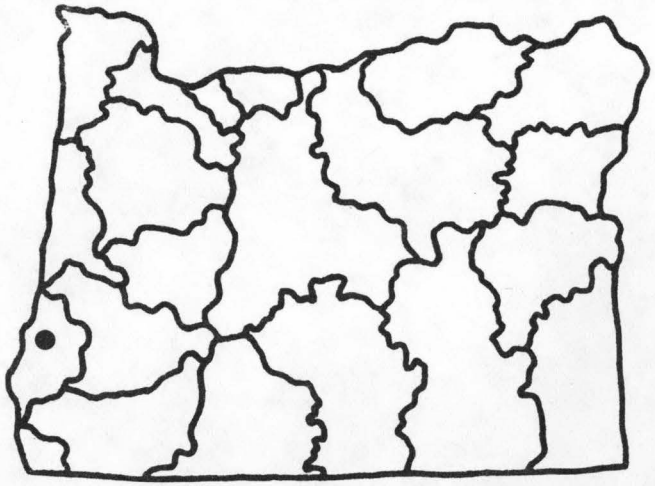
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.1	.01	.06	1.000
80	3.4	.02	.15	.917
50	29.4	.16	.98	.681
30	88.7	.50	2.14	.493
10	243.2	1.36	3.66	.307

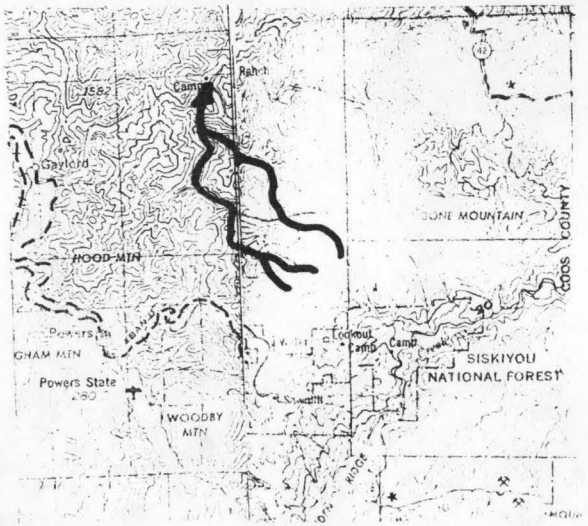
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 84 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-003-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.29, T29S, R11W
D.	Latitude, Longitude	43°01'N,123°55'W
E.	Stream Name	Middle Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	8.8 to 18.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

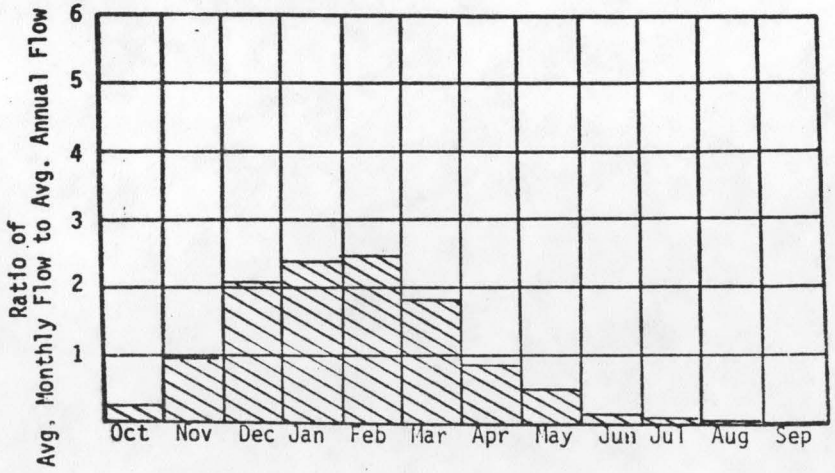
A.	Upstream Elevation of Reach	252	Ft. MSL
B.	Downstream Elevation of Reach	100	Ft. MSL
C.	Total Available Head in Reach	152	Ft.
D.	Average Slope in Reach	16.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	18.6	Sq.Mi.
F.	Inflow Classification	Natural	

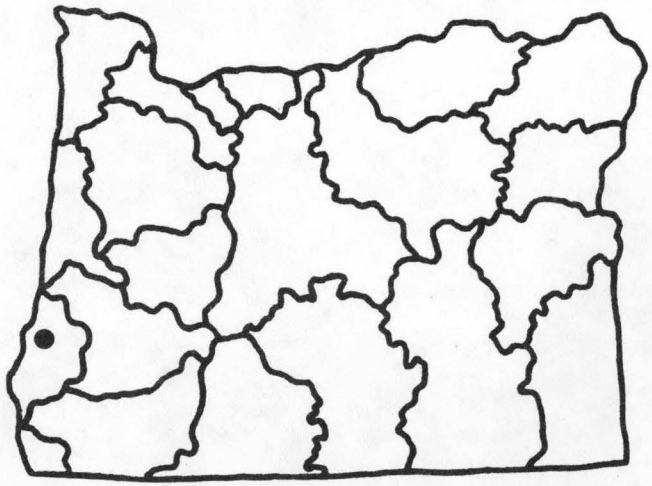
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.9	.15	1.35	1.000
80	26.3	.34	2.77	.932
50	170.1	2.19	13.31	.694
30	479.8	6.18	27.29	.504
10	1388.9	17.89	47.81	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 484 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-MEDFORD-COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.13, T30S, R10W	
D. Latitude, Longitude	42°58'N,123°50'W	
E. Stream Name	Middle Fork Coquille River	
F. Major Basin Name	South Coast	
G. River Mile	18.0 to 26.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

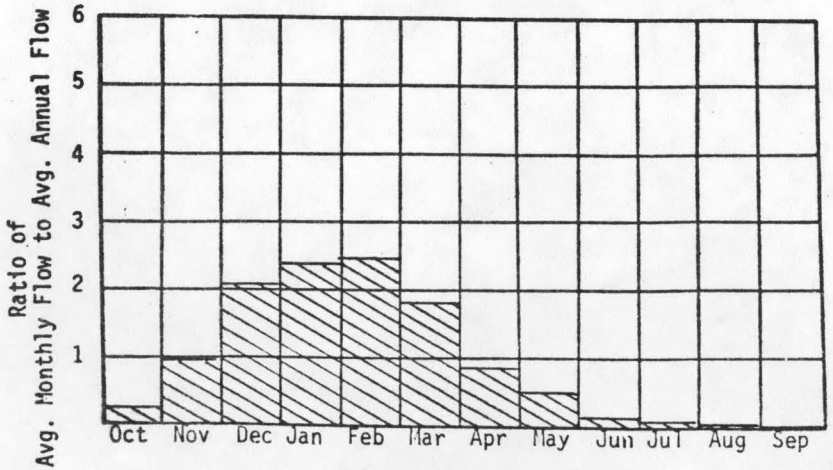
A. Upstream Elevation of Reach	748	Ft. MSL
B. Downstream Elevation of Reach	252	Ft. MSL
C. Total Available Head in Reach	496.3	Ft.
D. Average Slope in Reach	56.4	Ft./Mi.
E. Drainage Area above Reach Mouth	147	Sq.Mi.
F. Inflow Classification	Natural	

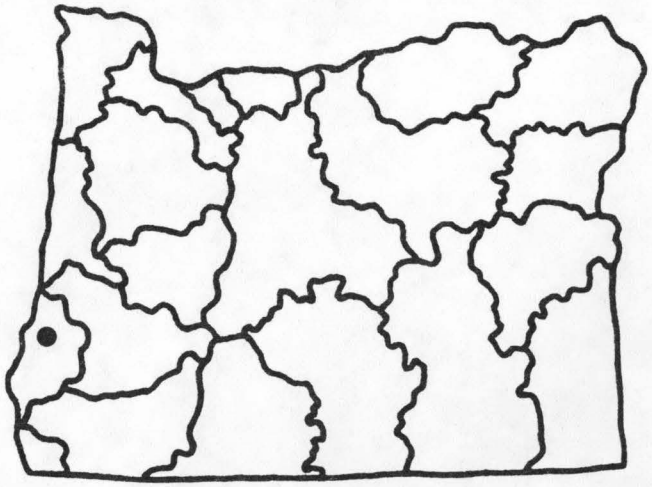
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.1	.30	2.63	1.000
80	16.8	.71	5.75	.928
50	116.0	4.88	29.49	.690
30	332.0	13.96	61.30	.501
10	949.8	39.93	106.80	.305

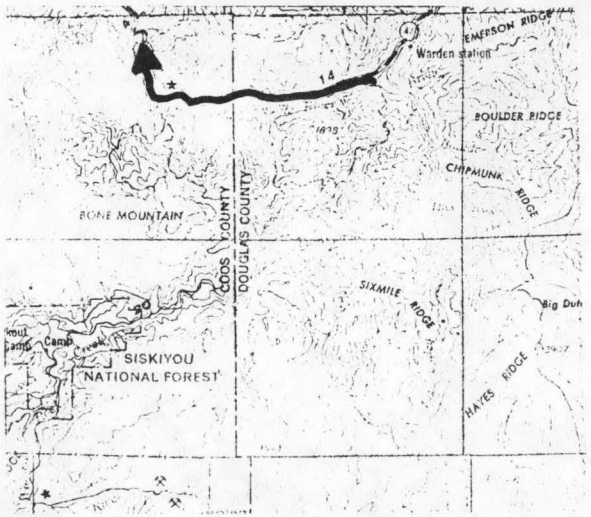
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 330 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-003-003-001-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.10, T30S, R9W
D.	Latitude, Longitude	42°51'N,123°43'W
E.	Stream Name	Twelvemile Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

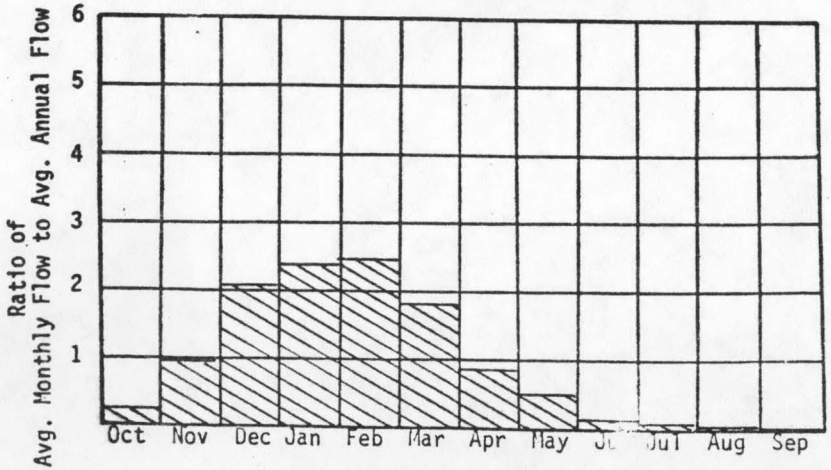
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	38.2	Sq.Mi.
F.	Inflow Classification	Natural	

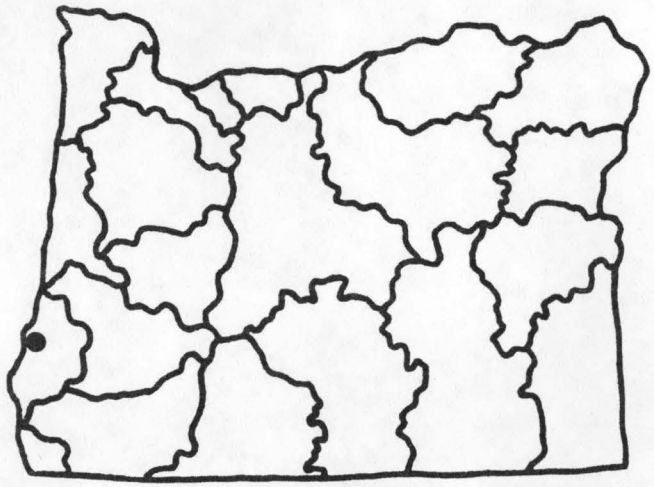
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.5	.01	.07	1.000
80	4.2	.02	.19	.918
50	35.5	.20	1.19	.682
30	106.4	.60	2.58	.494
10	293.5	1.64	4.41	.307

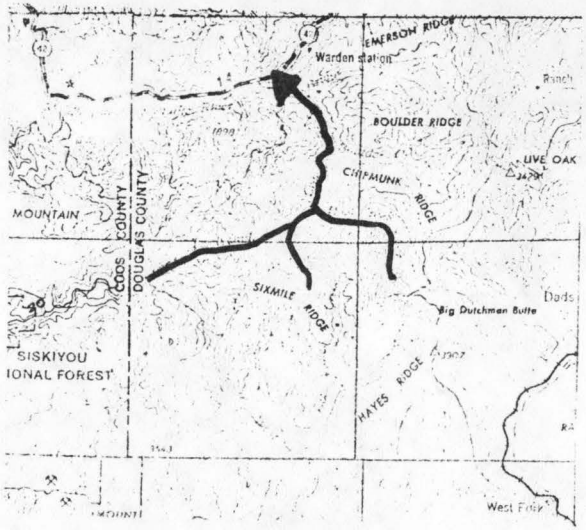
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 102 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.2, T30S, R9W
D.	Latitude, Longitude	42°59'N, 123°44'W
E.	Stream Name	Middle Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	26.8 to 29.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

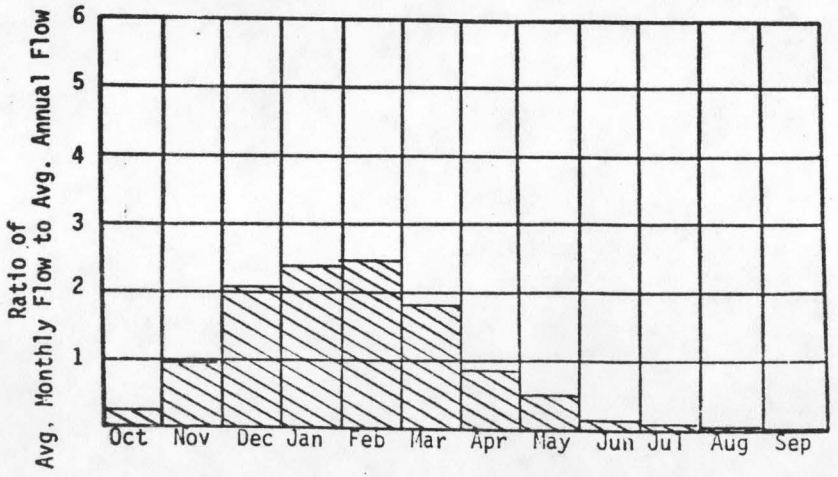
A.	Upstream Elevation of Reach	1026	Ft. MSL
B.	Downstream Elevation of Reach	748	Ft. MSL
C.	Total Available Head in Reach	278	Ft.
D.	Average Slope in Reach	92.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	48	Sq.Mi.
F.	Inflow Classification	Natural	

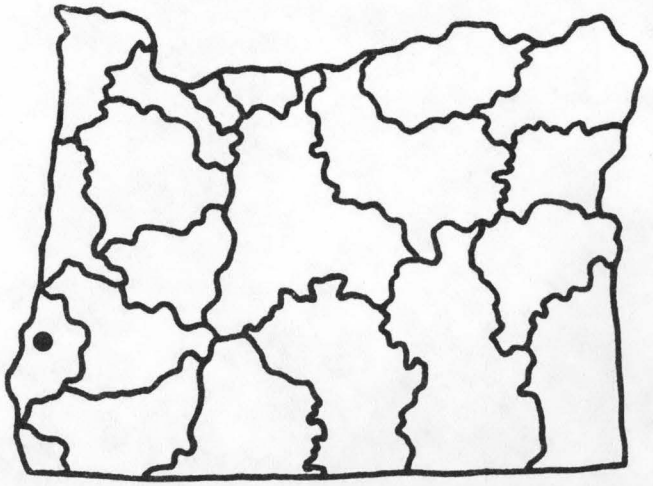
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.8	.04	.37	1.000
80	5.1	.12	.97	.920
50	41.7	.98	5.88	.683
30	124.1	2.92	12.68	.495
10	344.1	8.11	21.76	.306

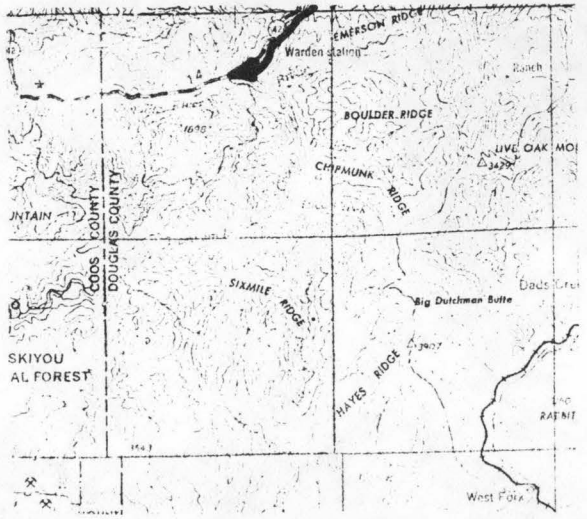
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 120 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.36, T29S, R8W	
D. Latitude, Longitude	43°02'N,123°41'W	
E. Stream Name	Middle Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	29.8 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

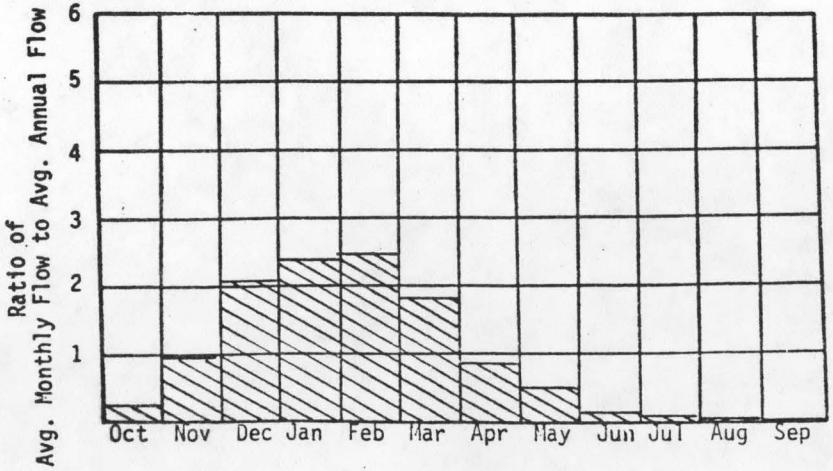
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	44.6	Sq.Mi.
F. Inflow Classification	Natural	

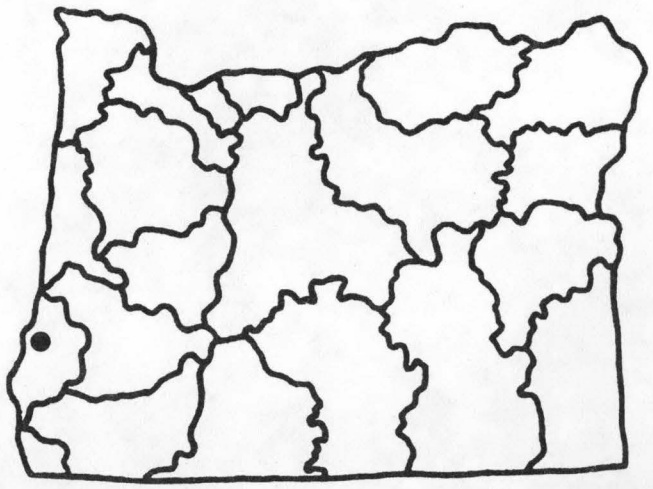
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.7	.01	.08	1.000
80	4.9	.03	.22	.919
50	40.2	.22	1.34	.683
30	119.6	.67	2.90	.495
10	331.3	1.85	4.97	.306

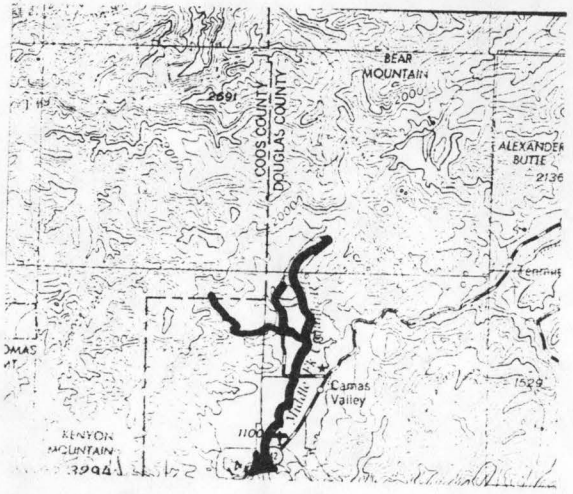
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 115 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.32, T29S, R12W	
D. Latitude, Longitude	43°00'N,124°09'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Fork	
G. River Mile	4.8 to 15.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

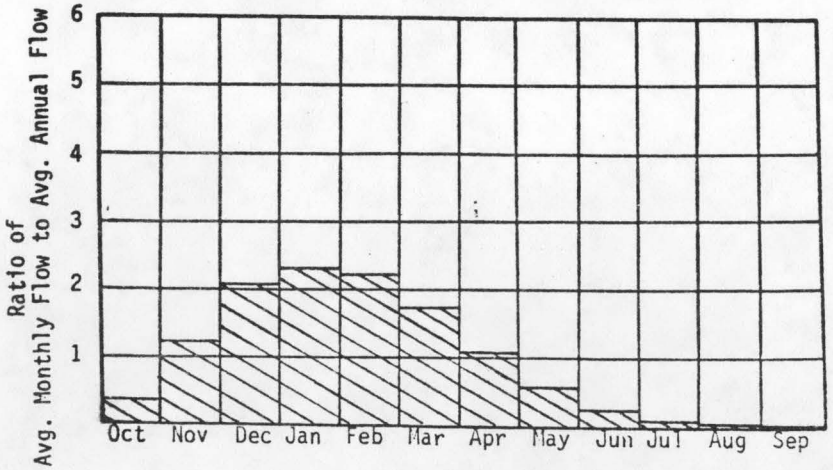
A. Upstream Elevation of Reach	74	Ft. MSL
B. Downstream Elevation of Reach	39	Ft. MSL
C. Total Available Head in Reach	35	Ft.
D. Average Slope in Reach	3.4	Ft./Mi.
E. Drainage Area above Reach Mouth	245	Sq.Mi.
F. Inflow Classification	Natural	

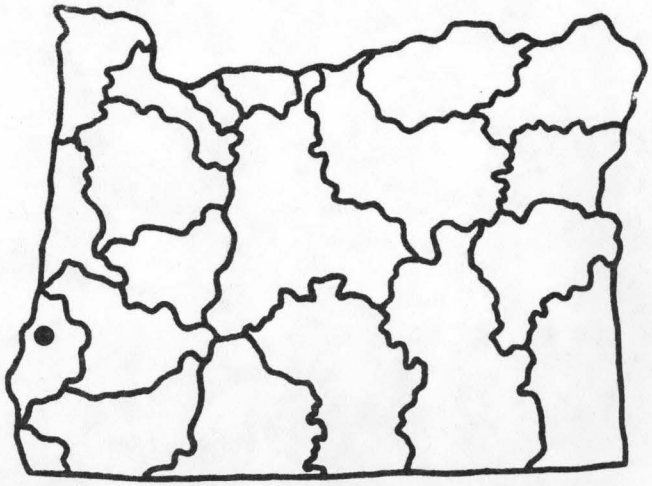
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	28.1	.08	.73	1.000
80	55.4	.16	1.35	.938
50	322.0	.96	5.85	.700
30	886.6	2.63	11.72	.509
10	2617.3	7.76	20.72	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 913 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.26, T30S, R12W
D.	Latitude, Longitude	42°57'N,124°06'W
E.	Stream Name	South Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	15.0 to 25.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

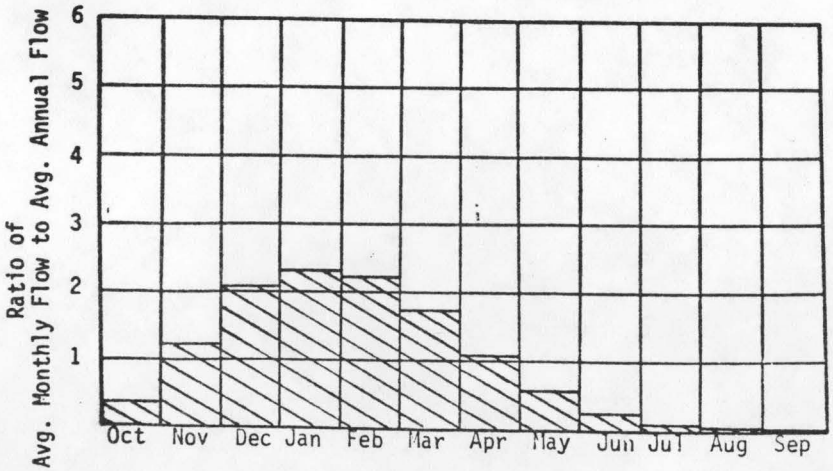
A.	Upstream Elevation of Reach	144	Ft. MSL
B.	Downstream Elevation of Reach	74	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	7.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	215	Sq.Mi.
F.	Inflow Classification	Natural	

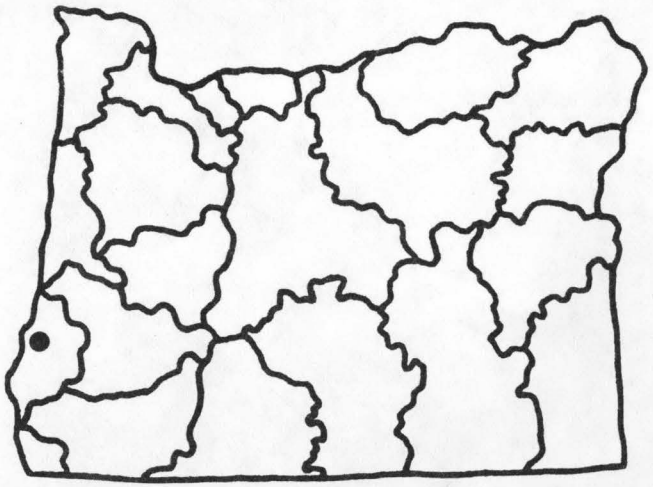
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	24.4	.14	1.27	1.000
80	49.0	.29	2.39	.937
50	289.9	1.72	10.52	.699
30	801.4	4.75	21.16	.508
10	2358.0	13.99	37.33	.305

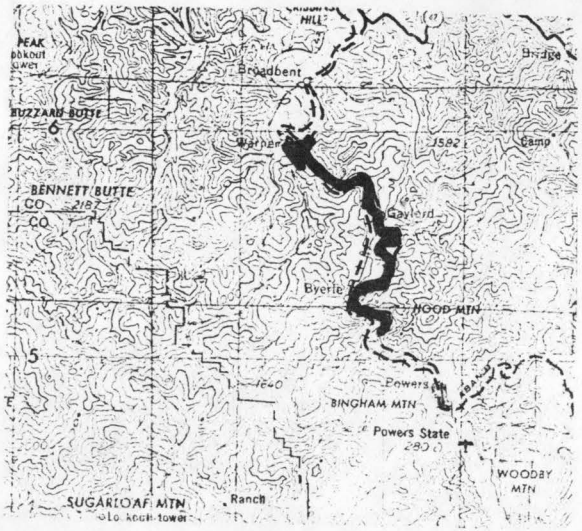
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 822 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.13, T31S, R12W	
D. Latitude, Longitude	42°53'N,124°04'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	25.0 to 35.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

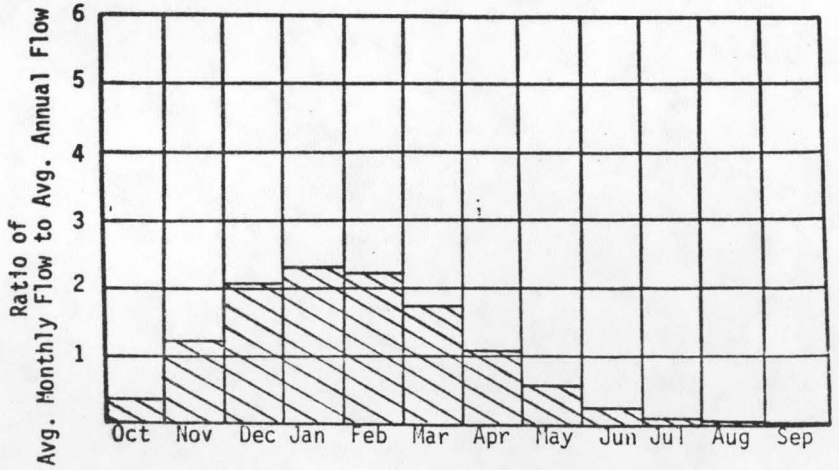
A. Upstream Elevation of Reach	330	Ft. MSL
B. Downstream Elevation of Reach	145	Ft. MSL
C. Total Available Head in Reach	185	Ft.
D. Average Slope in Reach	18.5	Ft./Mi.
E. Drainage Area above Reach Mouth	184	Sq.Mi.
F. Inflow Classification	Natural	

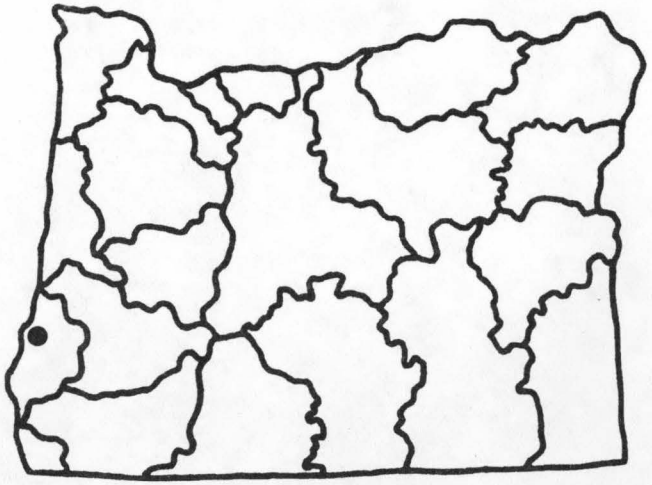
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	19.5	.31	2.68	1.000
80	40.4	.63	5.18	.935
50	245.4	3.85	23.49	.697
30	682.6	10.70	47.51	.507
10	1998.5	31.33	83.65	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 697 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.13, T32S, R12W	
D. Latitude, Longitude	42°47'N,124°03'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	35.0 to 45.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

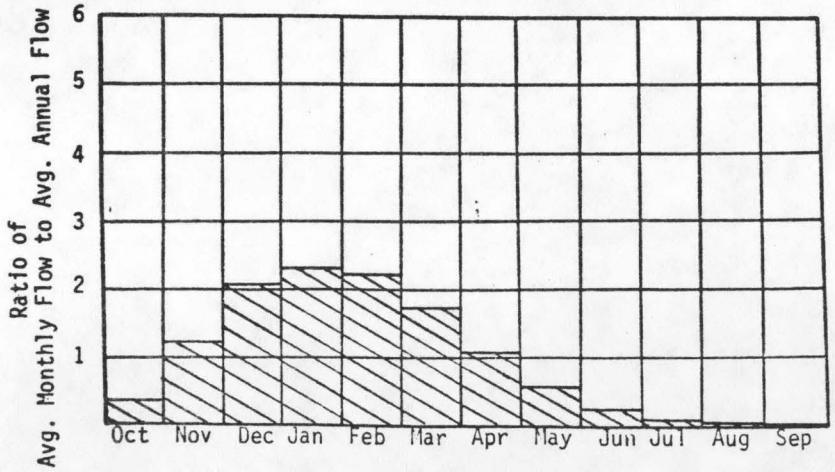
A. Upstream Elevation of Reach	830	Ft. MSL
B. Downstream Elevation of Reach	330	Ft. MSL
C. Total Available Head in Reach	500	Ft.
D. Average Slope in Reach	50	Ft./Mi.
E. Drainage Area above Reach Mouth	126	Sq.Mi.
F. Inflow Classification	Natural	

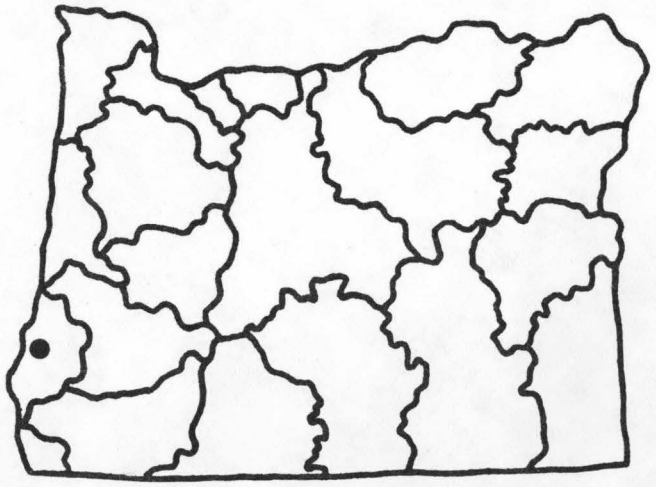
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.6	.49	4.29	1.000
80	25.6	1.09	8.86	.931
50	166.3	7.05	42.79	.693
30	469.4	19.89	87.80	.504
10	1357.9	57.54	153.76	.305

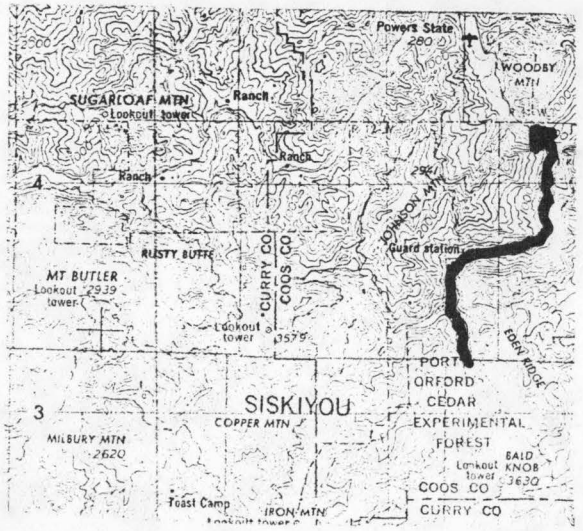
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 473 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.4, T32S, R11W
D.	Latitude, Longitude	42°44'N,124°00'W
E.	Stream Name	South Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	45.0 to 56.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

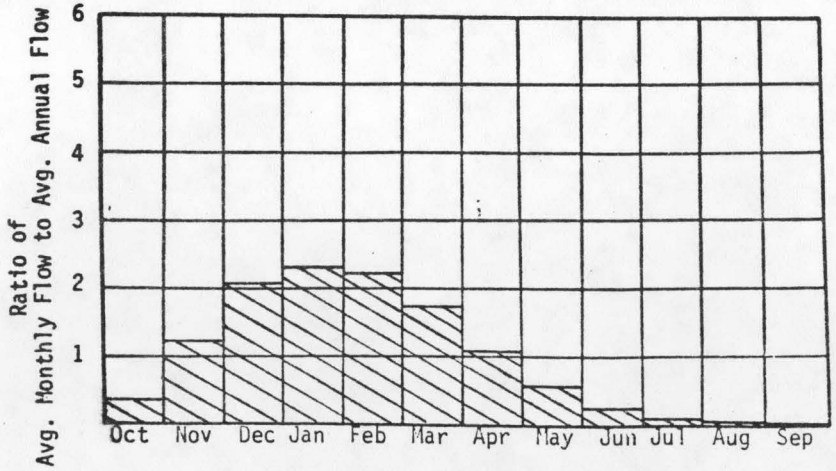
A.	Upstream Elevation of Reach	2189	Ft. MSL
B.	Downstream Elevation of Reach	830	Ft. MSL
C.	Total Available Head in Reach	1359	Ft.
D.	Average Slope in Reach	123.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	65.8	Sq.Mi.
F.	Inflow Classification	Natural	

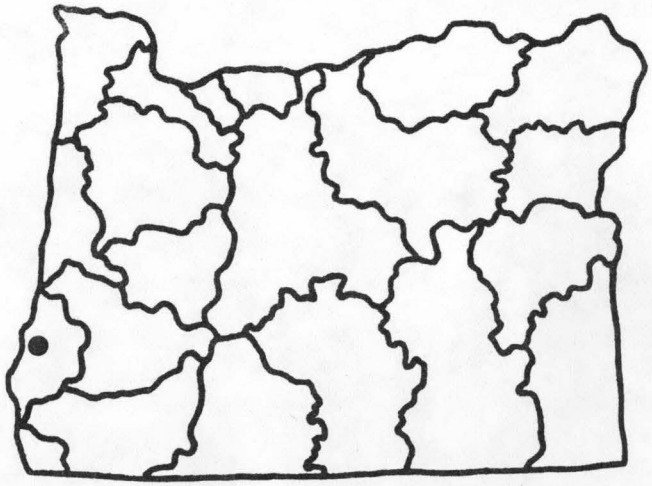
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.47	4.16	1.000
80	10.4	1.20	9.71	.924
50	77.0	8.86	53.35	.687
30	223.7	25.76	112.57	.499
10	631.9	72.78	194.94	.306

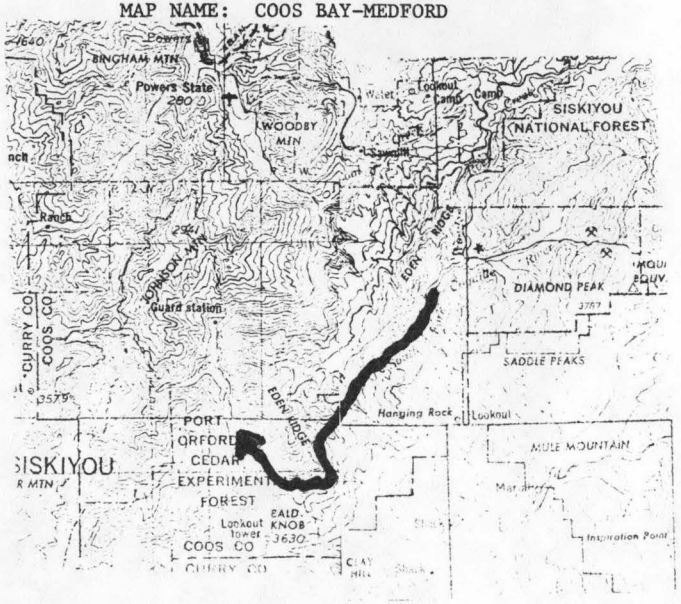
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 220 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.14, T32S, R10W
D.	Latitude, Longitude	42°48'N, 123°54'W
E.	Stream Name	South Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	56.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

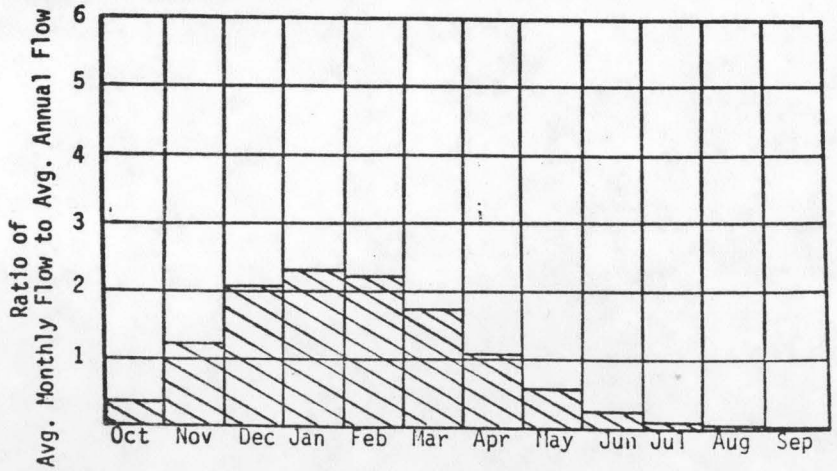
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	23.8	Sq.Mi.
F.	Inflow Classification	Natural	

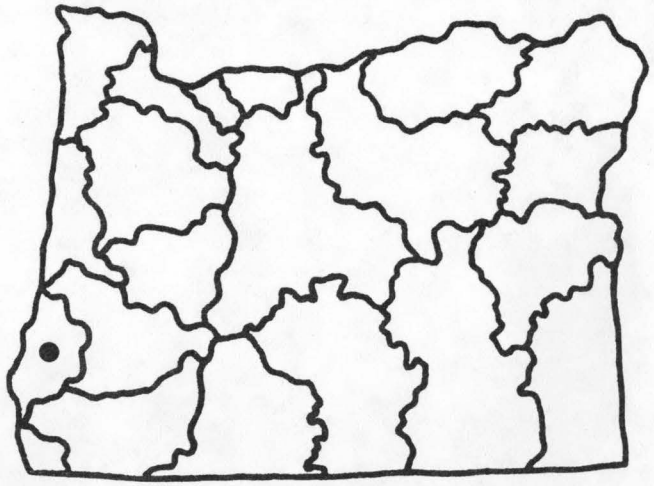
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.7	.01	.08	1.000
80	4.7	.03	.21	.919
50	38.9	.22	1.30	.682
30	116.0	.65	2.81	.495
10	320.9	1.79	4.82	.307

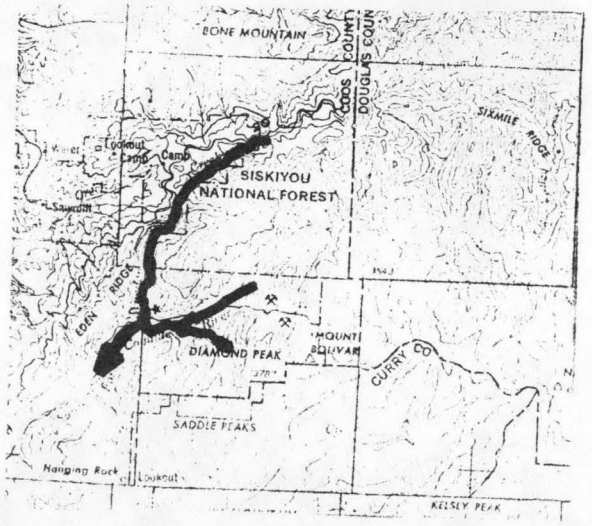
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 111 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-835-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.1, T31S, R15W
D.	Latitude, Longitude	42°55'N,124°25'W
E.	Stream Name	Floras Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

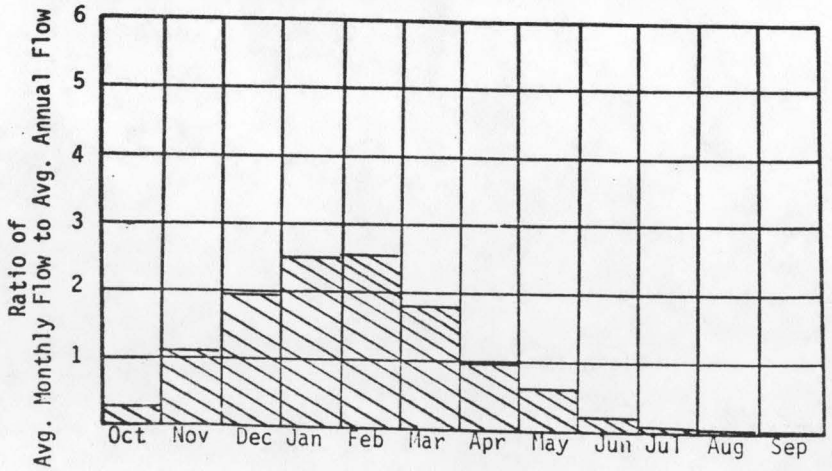
A.	Upstream Elevation of Reach	290	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	290	Ft.
D.	Average Slope in Reach	29	Ft./Mi.
E.	Drainage Area above Reach Mouth	71	Sq.Mi.
F.	Inflow Classification	Natural	

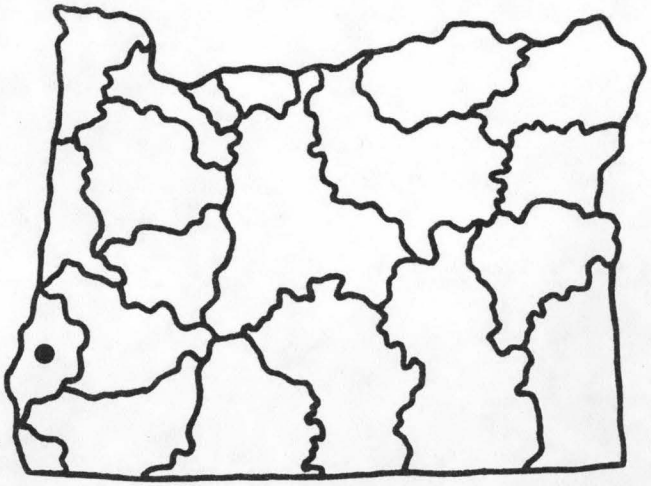
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.7	.12	1.02	1.000
80	11.7	.29	2.34	.925
50	85.3	2.10	12.63	.688
30	246.9	6.07	26.55	.499
10	699.7	17.20	46.04	.306

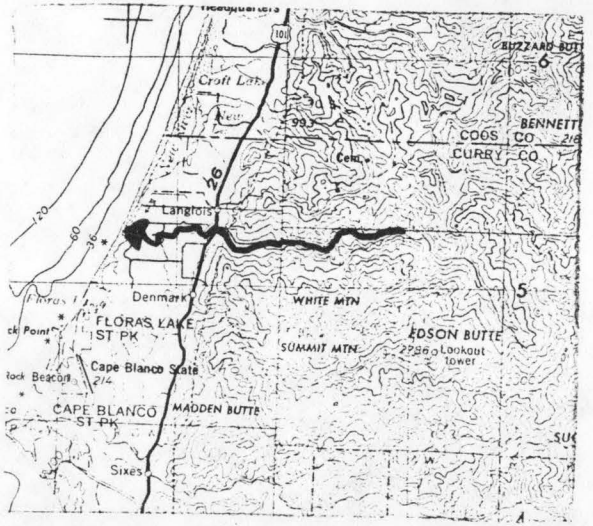
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 243 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-835-000-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	Sec.3, T31S, R14W	
D. Latitude, Longitude	42°54'N,124°20'W	
E. Stream Name	Floras Creek	
F. Major Basin Name	South Coast	
G. River Mile	10.0 to 13.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

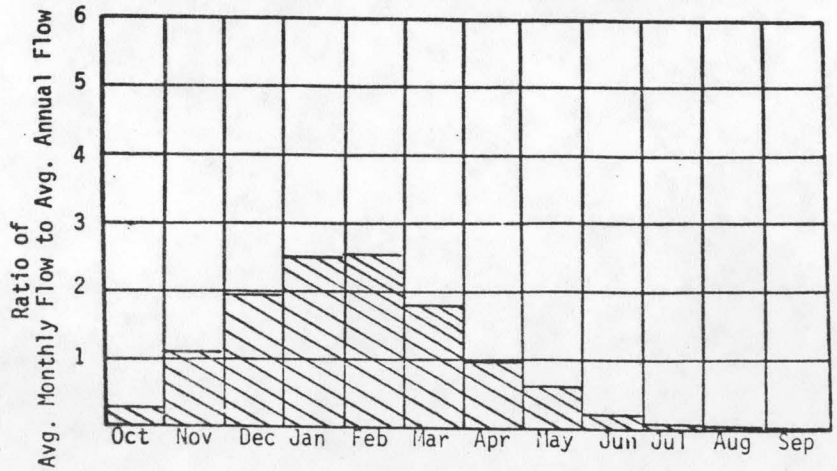
A. Upstream Elevation of Reach	370	Ft. MSL
B. Downstream Elevation of Reach	290	Ft. MSL
C. Total Available Head in Reach	80	Ft.
D. Average Slope in Reach	26.7	Ft./Mi.
E. Drainage Area above Reach Mouth	49.1	Sq.Mi.
F. Inflow Classification	Natural	

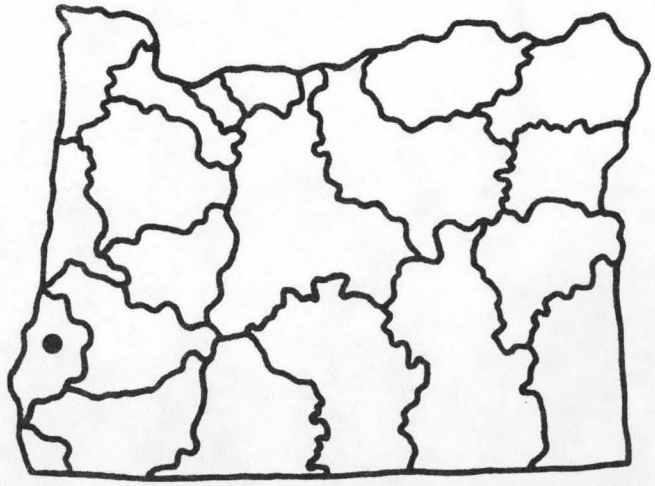
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.6	.02	.21	1.000
80	9.2	.06	.50	.924
50	68.9	.47	2.81	.686
30	201.1	1.36	5.95	.498
10	566.2	3.84	10.29	.306

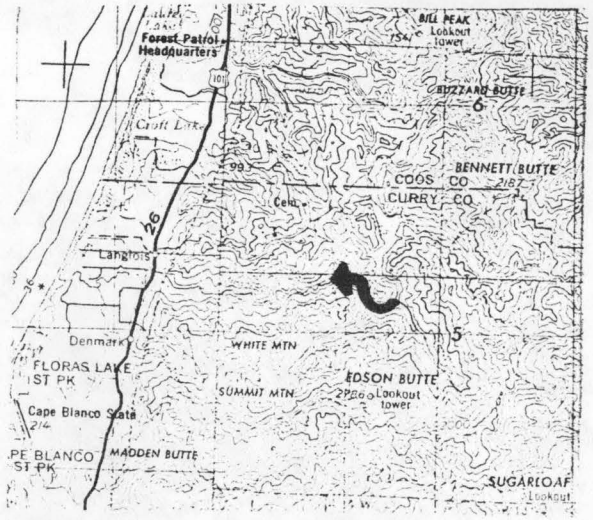
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 197 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-835-002-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.35, T30S, R14W
D.	Latitude, Longitude	42°55'N,124°20'W
E.	Stream Name	North Fork Floras Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 2.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

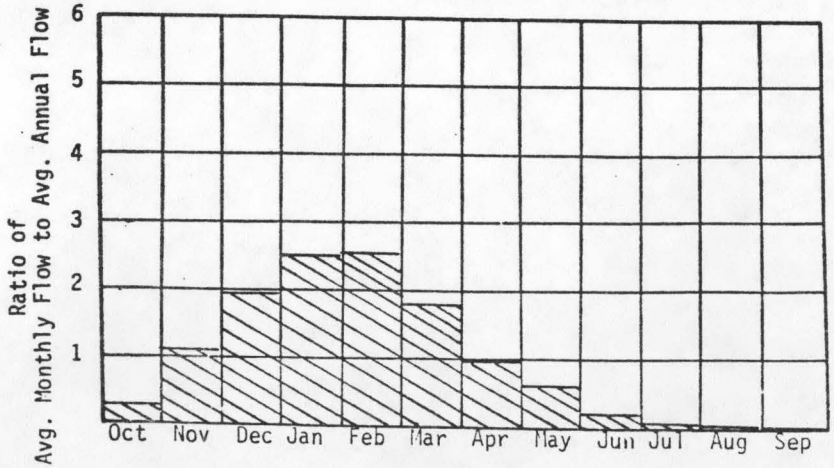
A.	Upstream Elevation of Reach	440	Ft. MSL
B.	Downstream Elevation of Reach	370	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	28.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	28.9	Sq.Mi.
F.	Inflow Classification	Natural	

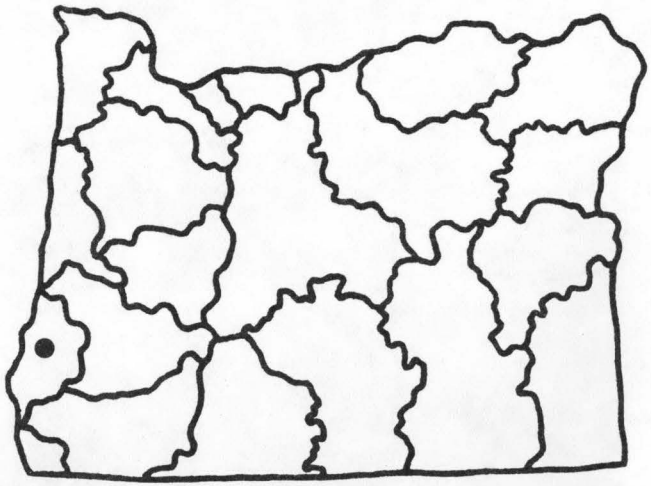
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.6	.01	.08	1.000
80	4.6	.03	.22	.919
50	38.3	.23	1.36	.682
30	114.4	.68	2.94	.495
10	316.4	1.88	5.04	.307

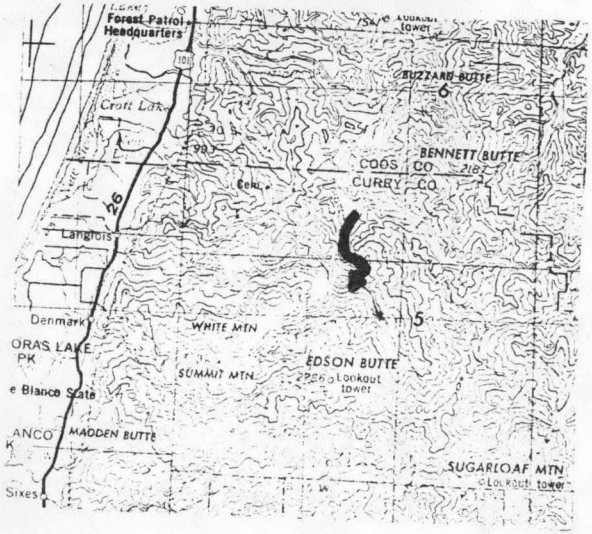
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 110 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-835-002-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.26, T30S, R13W
D.	Latitude, Longitude	42°56'N,124°16'W
E.	Stream Name	North Fork Floras Creek
F.	Major Basin Name	South Coast
G.	River Mile	2.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

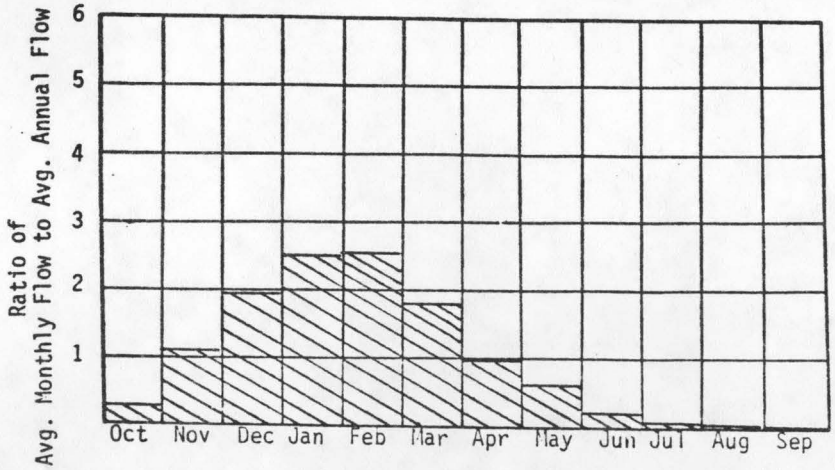
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	25.1	Sq.Mi.
F.	Inflow Classification	Natural	

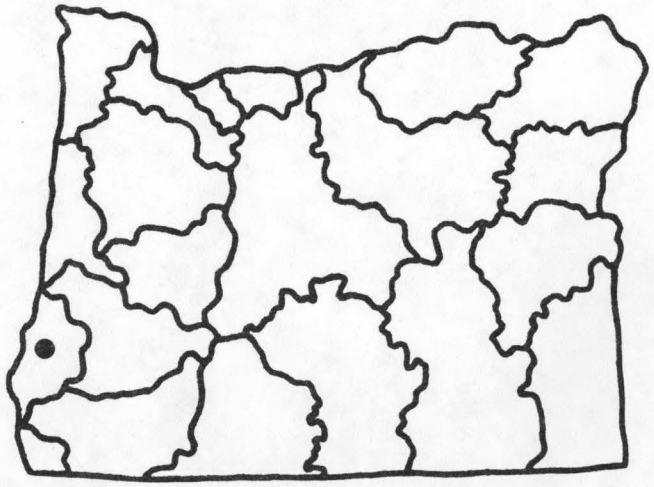
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.5	.01	.07	1.000
80	4.2	.02	.19	.918
50	35.4	.20	1.18	.682
30	106.0	.59	2.57	.494
10	292.3	1.63	4.39	.307

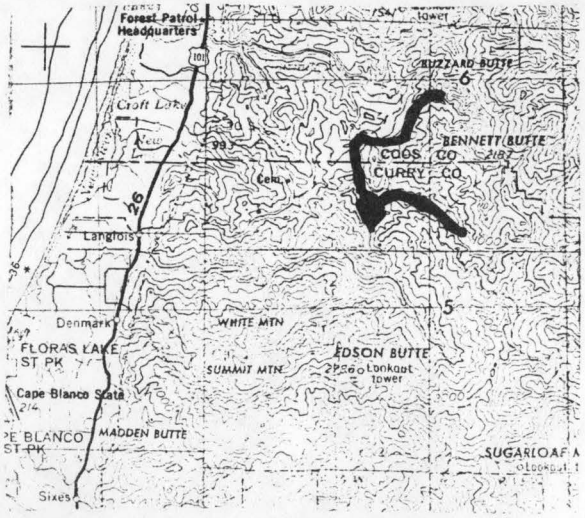
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 101 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-840-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.9, T32S, R15W
D.	Latitude, Longitude	42°49'N,124°29'W
E.	Stream Name	Sixes River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

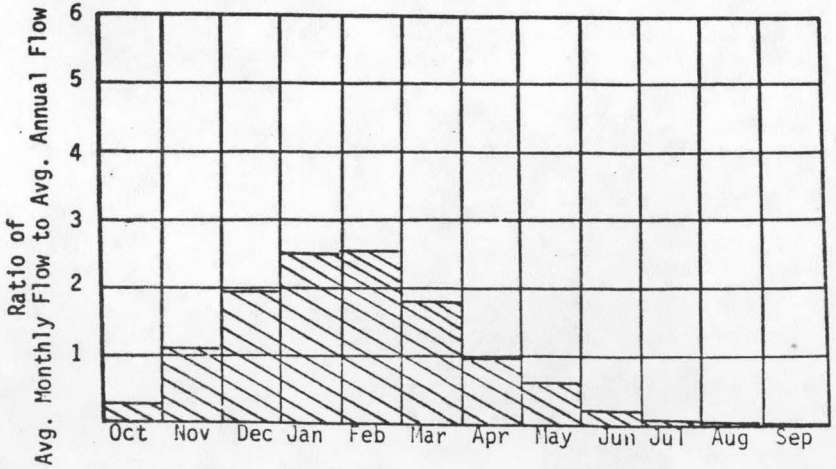
A.	Upstream Elevation of Reach	37	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	37	Ft.
D.	Average Slope in Reach	3.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	13.2	Sq.Mi.
F.	Inflow Classification	Natural	

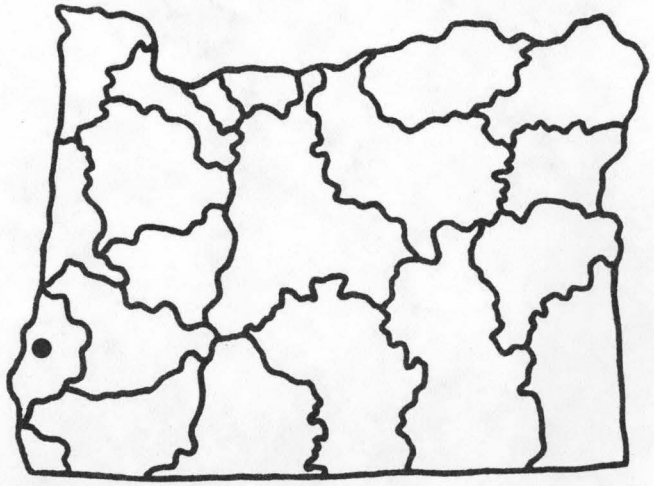
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	14.9	.05	.41	1.000
80	32.0	.10	.82	.933
50	201.3	.63	3.84	.695
30	564.1	1.77	7.83	.505
10	1641.5	5.15	13.75	.305

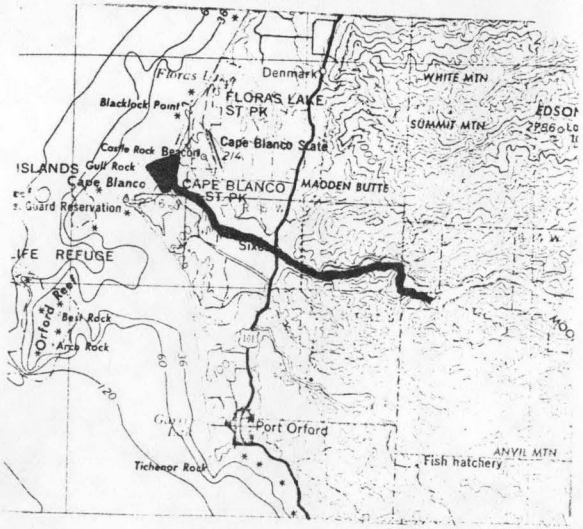
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 572 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-840-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.9, T32S, R14W
D.	Latitude, Longitude	42°48'N,124°22'W
E.	Stream Name	Sixes River
F.	Major Basin Name	South Coast
G.	River Mile	10.0 to 18.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

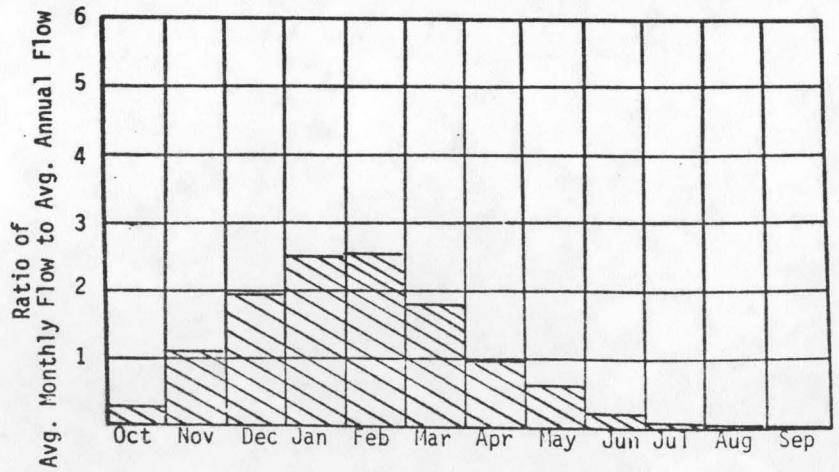
A.	Upstream Elevation of Reach	150	Ft. MSL
B.	Downstream Elevation of Reach	37	Ft. MSL
C.	Total Available Head in Reach	119	Ft.
D.	Average Slope in Reach	14.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	107	Sq.Mi.
F.	Inflow Classification	Natural	

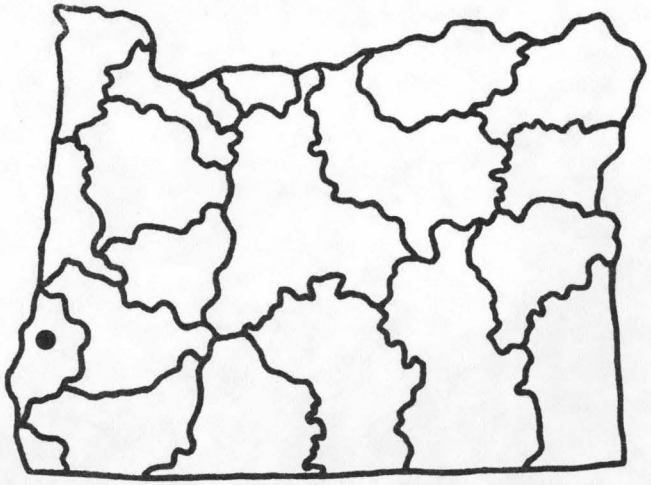
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.7	.10	.86	1.000
80	22.0	.22	1.81	.930
50	146.2	1.47	8.94	.692
30	414.8	4.18	18.43	.503
10	1195.2	12.05	32.22	.305

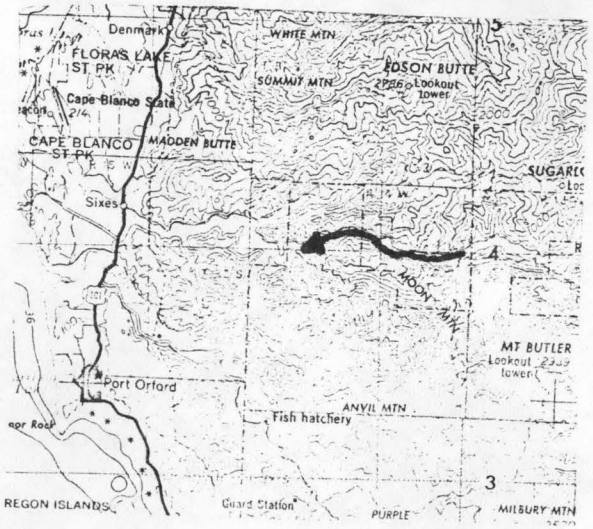
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 416 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-840-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T32S, R13W
D.	Latitude, Longitude	42°48'N,124°15'W
E.	Stream Name	Sixes River
F.	Major Basin Name	South Coast
G.	River Mile	18.5 to 25.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

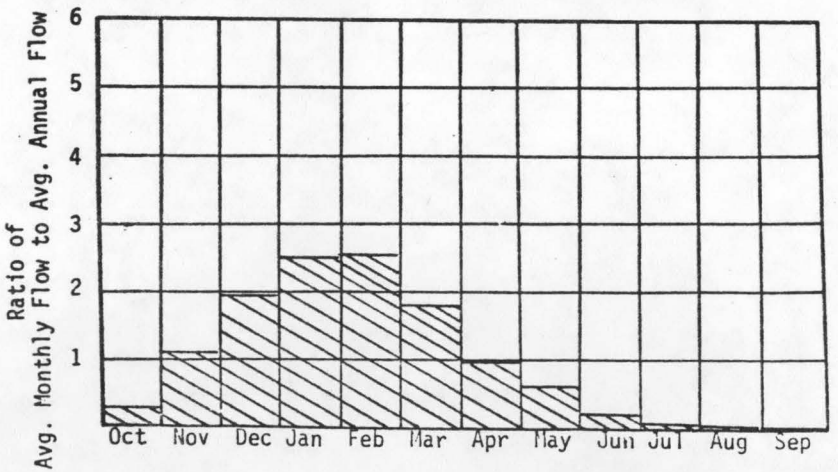
A.	Upstream Elevation of Reach	344	Ft. MSL
B.	Downstream Elevation of Reach	155	Ft. MSL
C.	Total Available Head in Reach	189	Ft.
D.	Average Slope in Reach	28.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	63	Sq.Mi.
F.	Inflow Classification	Natural	

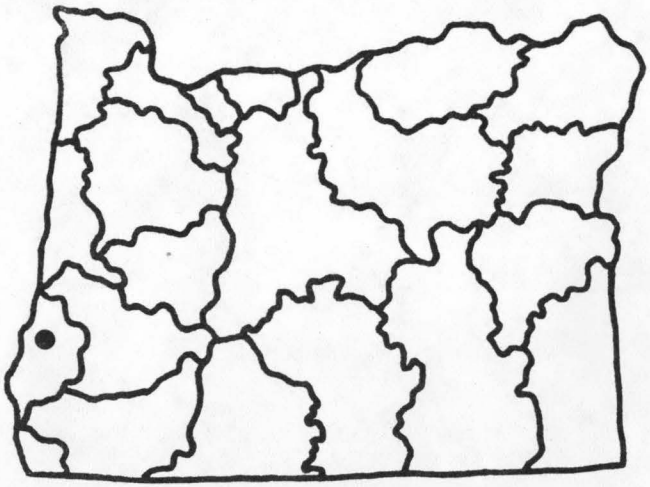
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.07	.58	1.000
80	10.5	.17	1.36	.924
50	77.2	1.24	7.44	.687
30	224.4	3.59	15.70	.499
10	633.9	10.15	27.20	.306

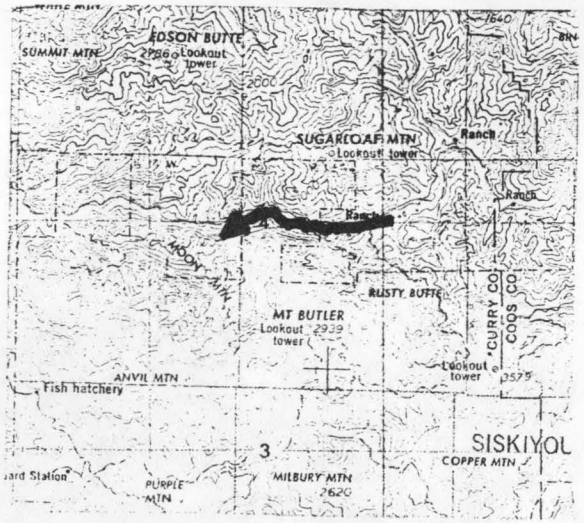
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 220 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

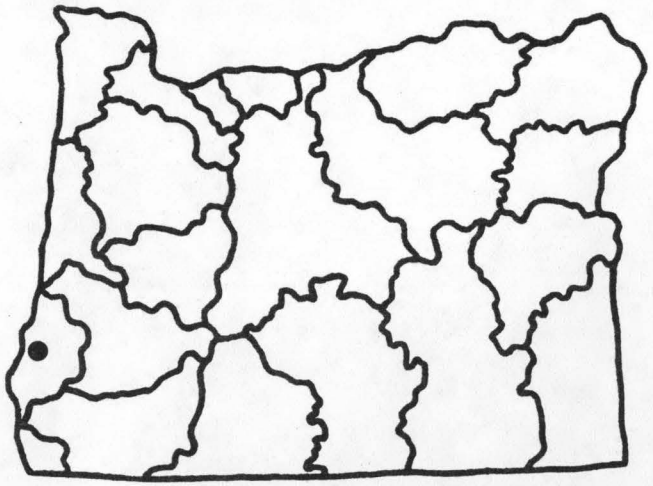


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-840-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.11, T31S, R13W
D.	Latitude, Longitude	42°47'N,123°54'W
E.	Stream Name	Sixes River
F.	Major Basin Name	South Coast
G.	River Mile	25.0 to H.W.



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	28.9	Sq.Mi.
F.	Inflow Classification	Natural	

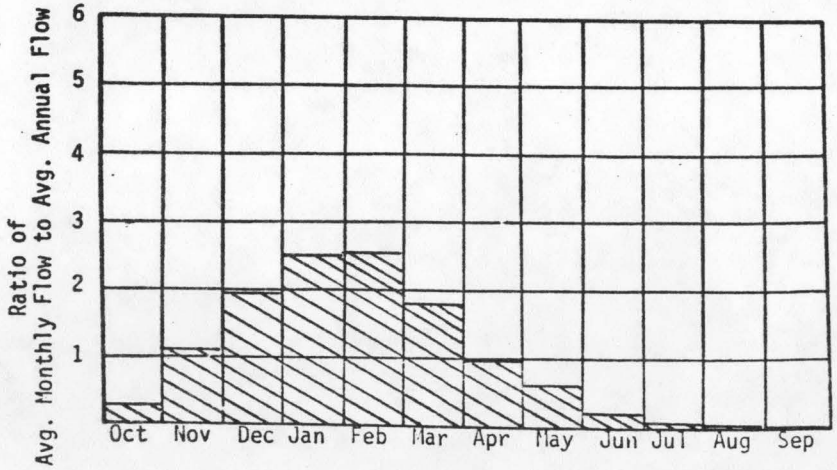
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.0	.01	.10	1.000
80	5.7	.03	.26	.920
50	45.6	.26	1.53	.683
30	135.3	.76	3.29	.496
10	376.1	2.10	5.65	.306

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 131 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-845-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.22, T32S, R15W
D.	Latitude, Longitude	42°47'N,124°28'W
E.	Stream Name	Elk River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

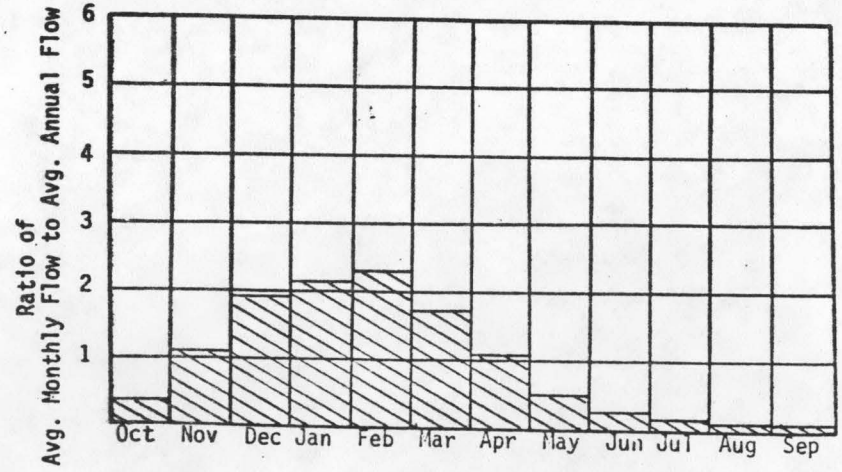
A.	Upstream Elevation of Reach	65	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	65	Ft.
D.	Average Slope in Reach	6.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	88.6	Sq.Mi.
F.	Inflow Classification	Natural	

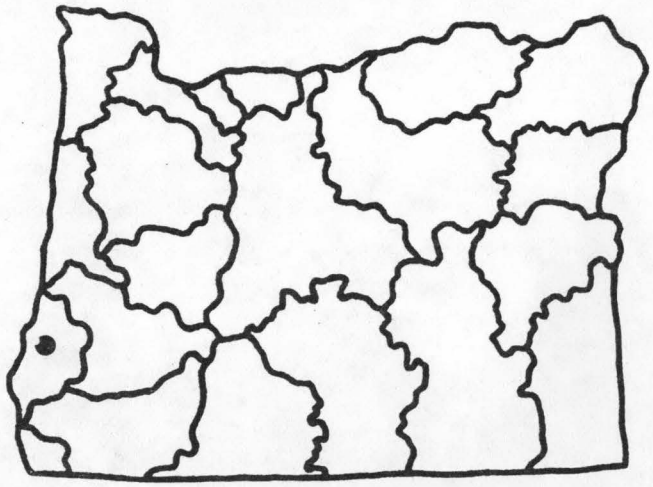
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.9	.05	.43	1.000
80	20.3	.11	.91	.930
50	136.4	.75	4.55	.692
30	387.9	2.14	9.41	.503
10	1115.2	6.14	16.42	.305

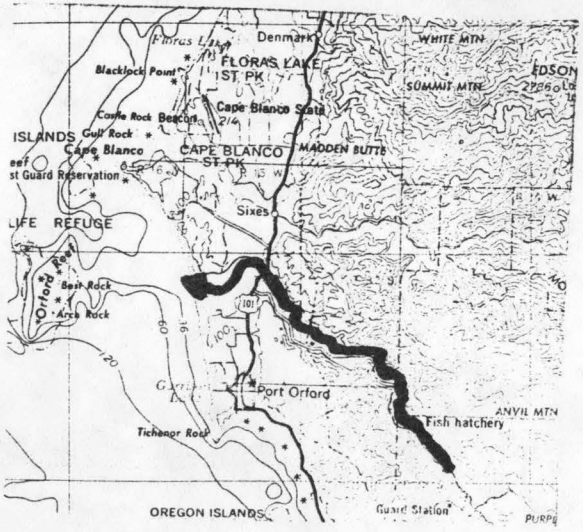
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 388 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-845-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.17, T33S, R14W
D.	Latitude, Longitude	42°43'N.124°23'W
E.	Stream Name	Elk River
F.	Major Basin Name	South Coast
G.	River Mile	10.0 to 20.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

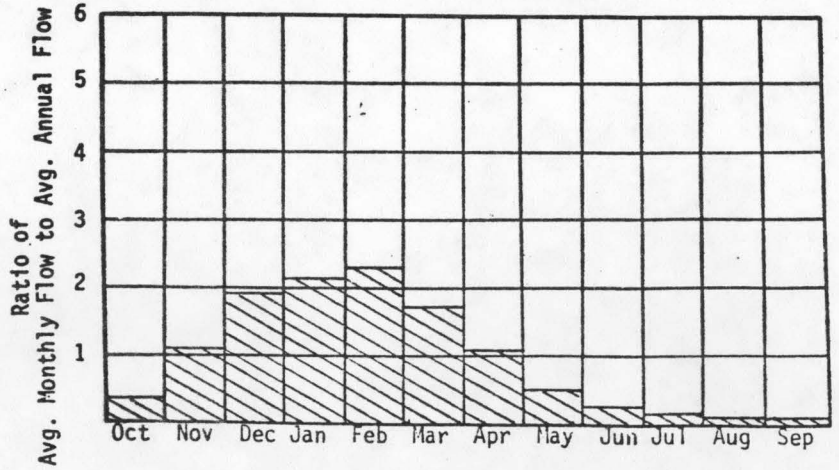
A.	Upstream Elevation of Reach	411	Ft. MSL
B.	Downstream Elevation of Reach	65	Ft. MSL
C.	Total Available Head in Reach	346.3	Ft.
D.	Average Slope in Reach	34.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	76.2	Sq.Mi.
F.	Inflow Classification	Natural	

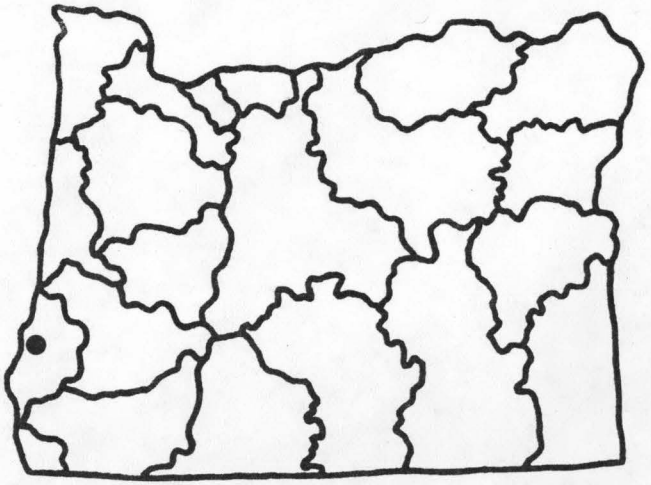
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.6	.19	1.71	1.000
80	15.8	.46	3.76	.928
50	109.9	3.22	19.47	.690
30	315.1	9.24	40.56	.501
10	900.1	26.39	70.61	.305

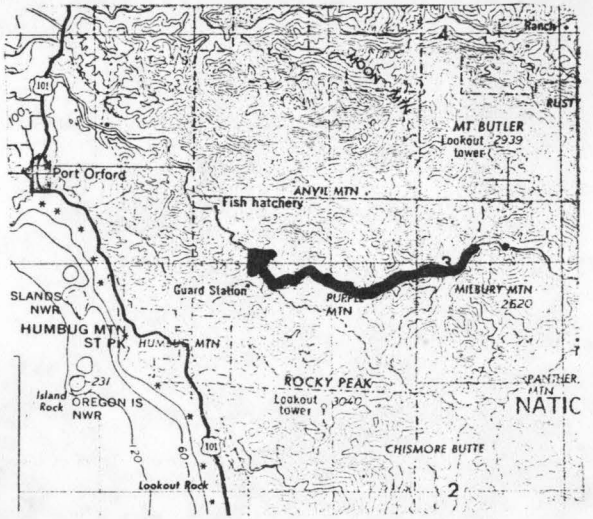
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 313 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-845-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T33S, R13W
D.	Latitude, Longitude	42°43'N,124°17'W
E.	Stream Name	Elk River
F.	Major Basin Name	South Coast
G.	River Mile	20.0 to 28.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

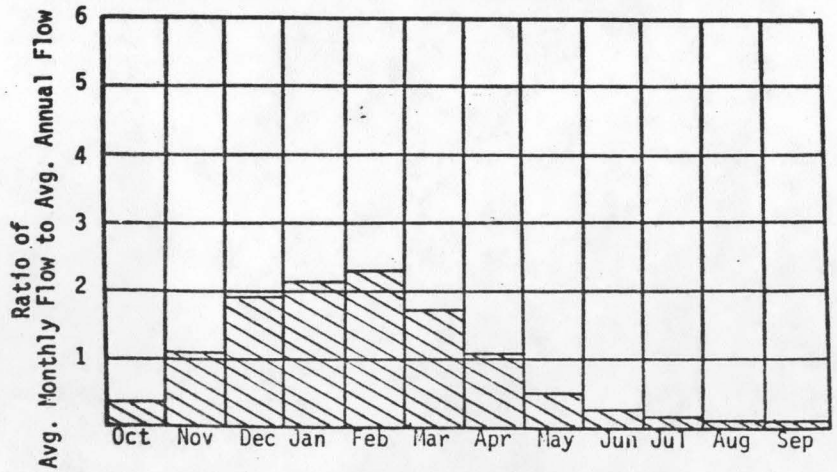
A.	Upstream Elevation of Reach	743	Ft. MSL
B.	Downstream Elevation of Reach	411	Ft. MSL
C.	Total Available Head in Reach	332	Ft.
D.	Average Slope in Reach	41.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	50.2	Sq.Mi.
F.	Inflow Classification	Natural	

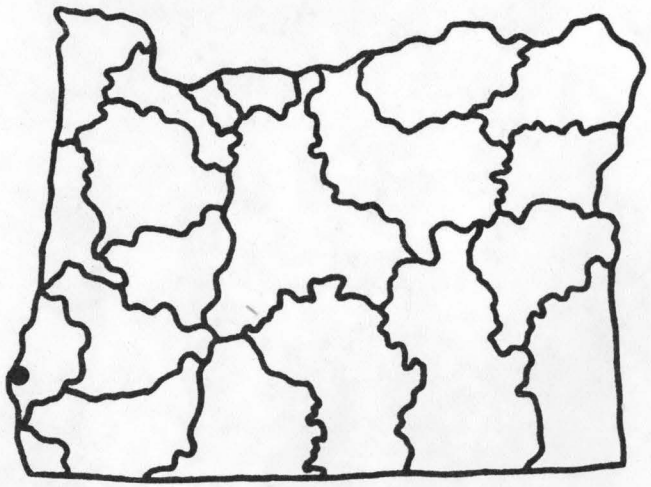
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.5	.10	.85	1.000
80	8.9	.25	2.03	.923
50	67.4	1.90	11.40	.686
30	196.9	5.54	24.17	.498
10	554.1	15.59	41.77	.306

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 193 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-845-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.10, T33S, R13W
D.	Latitude, Longitude	42°43'N,124°11'W
E.	Stream Name	Elk River
F.	Major Basin Name	South Coast
G.	River Mile	28.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

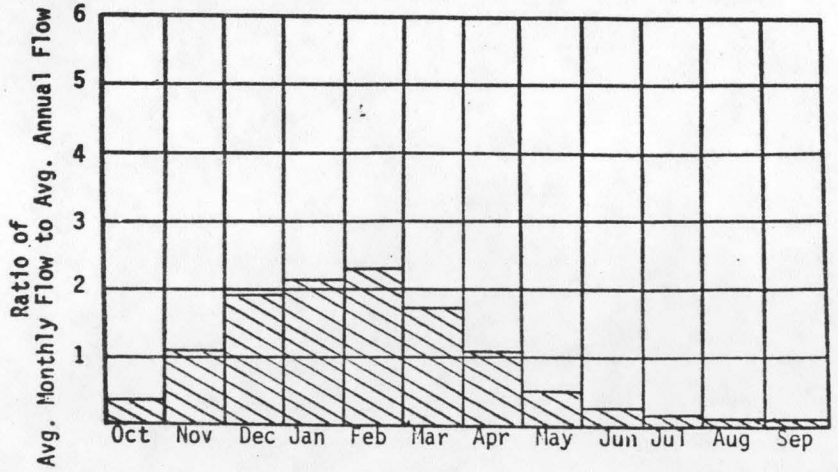
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	22.9	Sq.Mi.
F.	Inflow Classification	Natural	

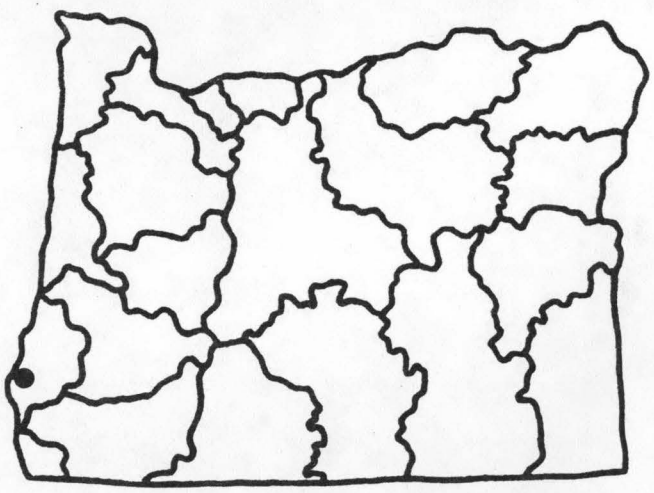
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.9	.01	.09	1.000
80	5.3	.03	.24	.920
50	43.0	.24	1.44	.683
30	127.7	.71	3.10	.495
10	354.4	1.98	5.32	.306

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 123 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-850-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T35S, R14W
D.	Latitude, Longitude	42°34'N,124°24'W
E.	Stream Name	Euchre Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 1.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

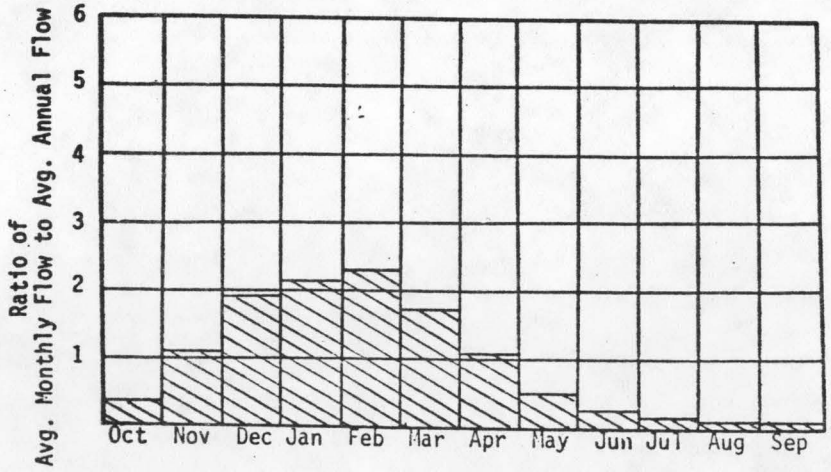
A.	Upstream Elevation of Reach	40	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	40	Ft.
D.	Average Slope in Reach	28.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	34.8	Sq.Mi.
F.	Inflow Classification	Natural	

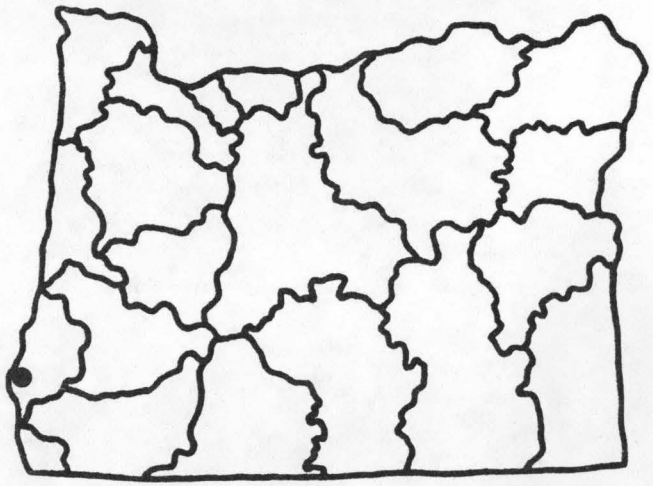
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.0	.01	.06	1.000
80	5.5	.02	.15	.920
50	44.5	.15	.90	.683
30	132.2	.45	1.95	.495
10	367.2	1.24	3.34	.306

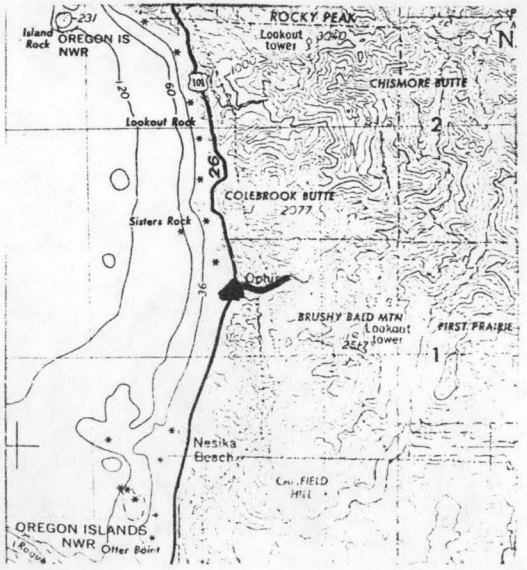
IV. TYPICAL ANNUAL HYDROGRAPH

AVG, ANNUAL FLOW = 128 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

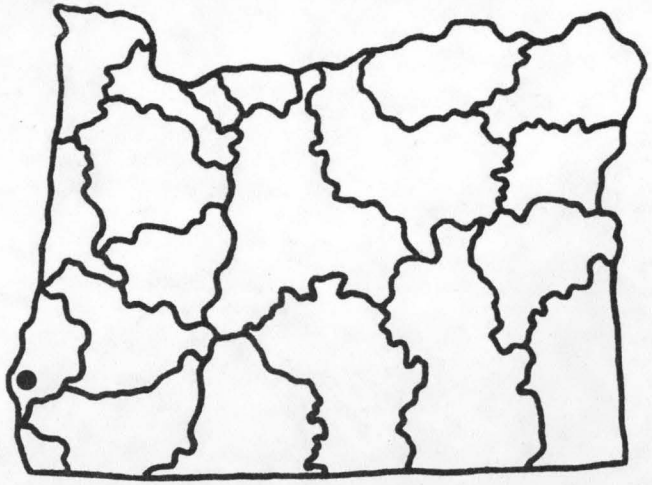


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-850-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.9, T34S, R14W
D.	Latitude, Longitude	42°36'N,124°20'W
E.	Stream Name	Euchre Creek
F.	Major Basin Name	South Coast
G.	River Mile	1.4 to H.W.



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	23.9	Sq.Mi.
F.	Inflow Classification	Natural	

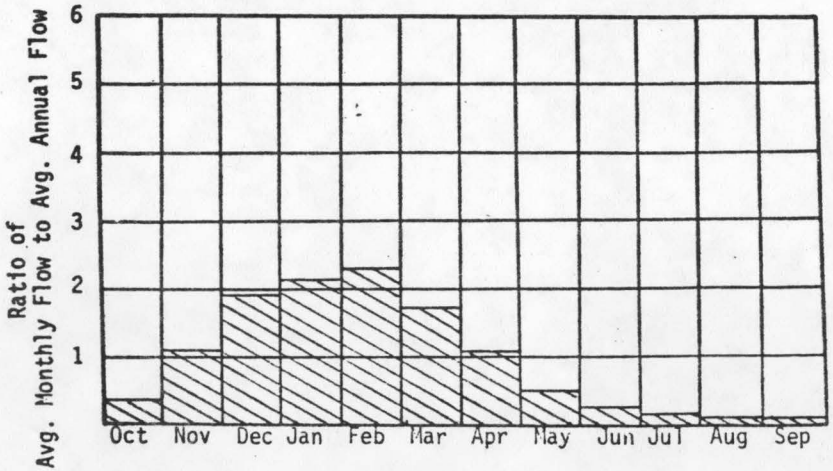
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

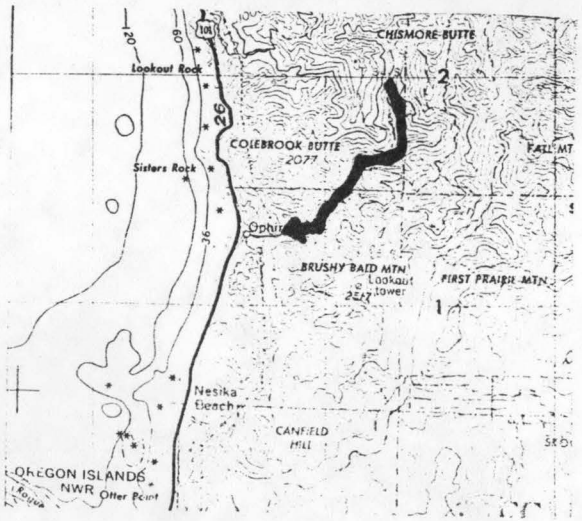
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.5	.01	.08	1.000
80	4.4	.02	.20	.919
50	36.9	.21	1.23	.682
30	110.3	.62	2.67	.494
10	304.6	1.70	4.58	.307

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 106 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-950-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.12, T37S, R15W
D.	Latitude, Longitude	42°23'N, 124°24'W
E.	Stream Name	Hunter Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

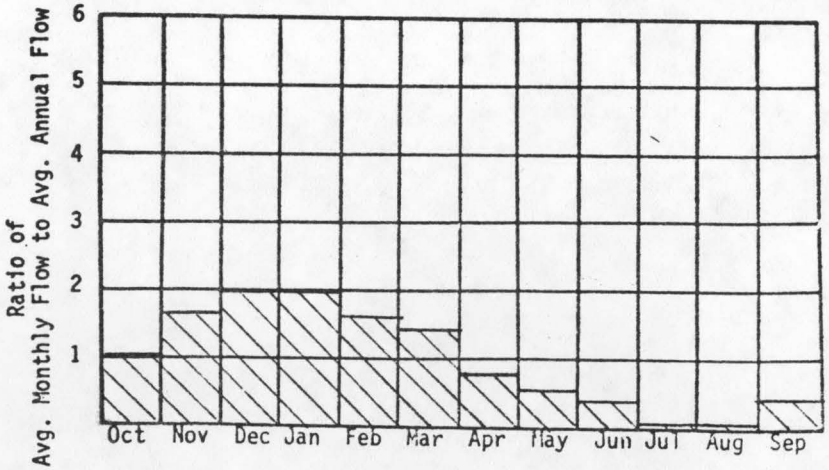
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	40.5	Sq.Mi.
F.	Inflow Classification	Natural	

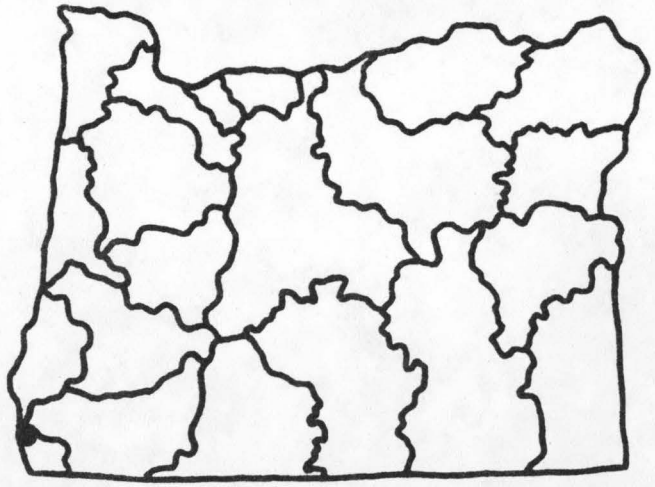
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.4	.04	.36	1.000
80	13.9	.08	.64	.941
50	82.4	.46	2.82	.699
30	232.6	1.30	5.77	.506
10	703.7	3.94	10.38	.301

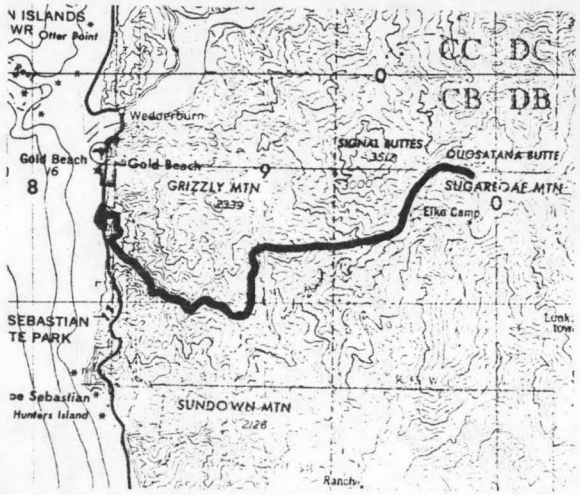
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 268 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-955-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.22, T38S, R14W
D.	Latitude, Longitude	42°17'N, 124°20'W
E.	Stream Name	Pistol River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 8.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

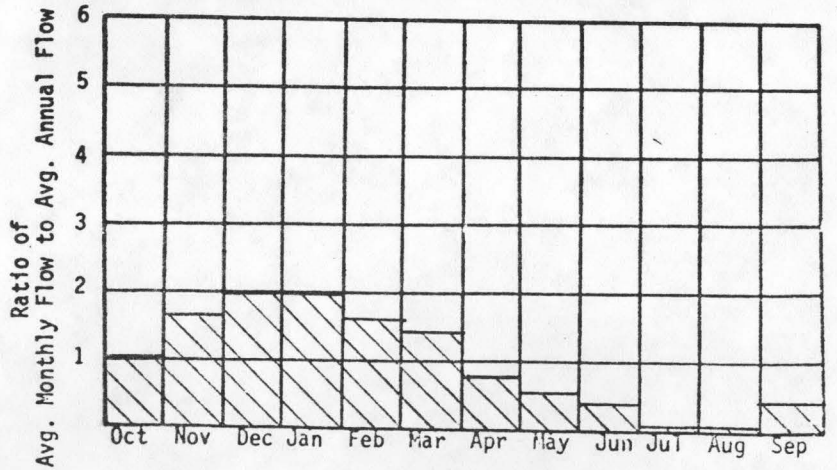
A.	Upstream Elevation of Reach	180	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	180	Ft.
D.	Average Slope in Reach	20.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	104	Sq.Mi.
F.	Inflow Classification	Natural	

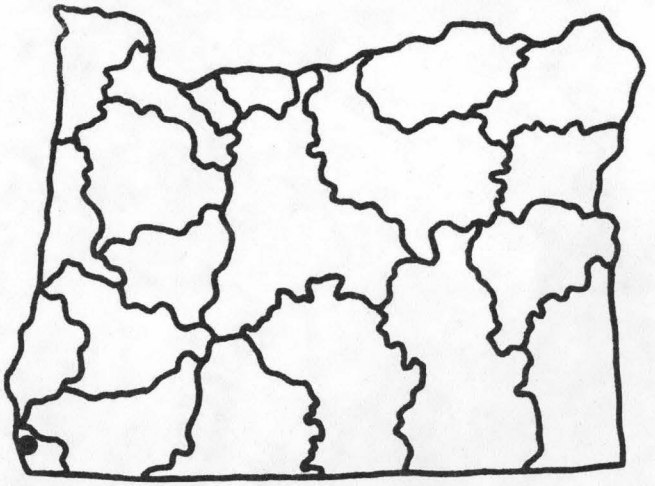
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.6	.03	.23	1.000
80	8.8	.05	.40	.941
50	51.9	.29	1.78	.699
30	146.3	.82	3.63	.506
10	442.6	2.48	6.53	.301

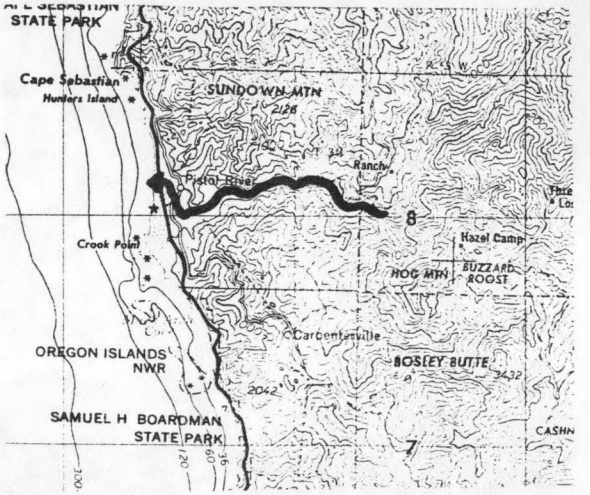
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 653 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-955-001-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	Sec.19, T38S, R13W	
D. Latitude, Longitude	42°17'N, 124°18'W	
E. Stream Name	South Fork Pistol River	
F. Major Basin Name	South Coast	
G. River Mile	0.0 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

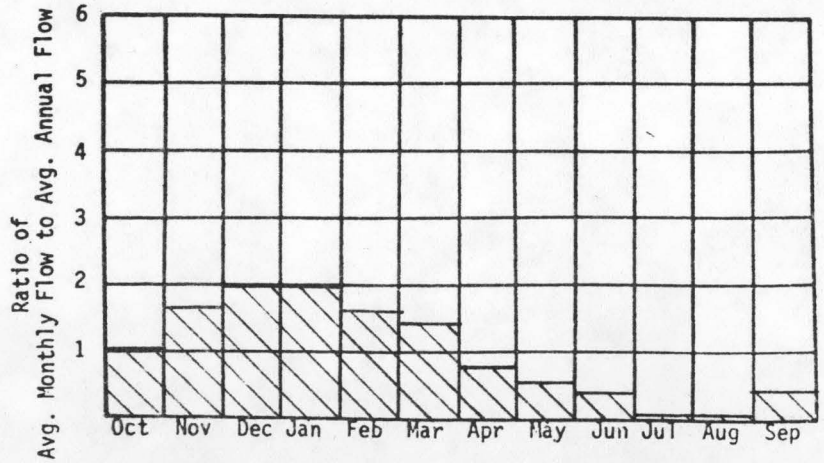
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	30.0	Sq.Mi.
F. Inflow Classification	Natural	

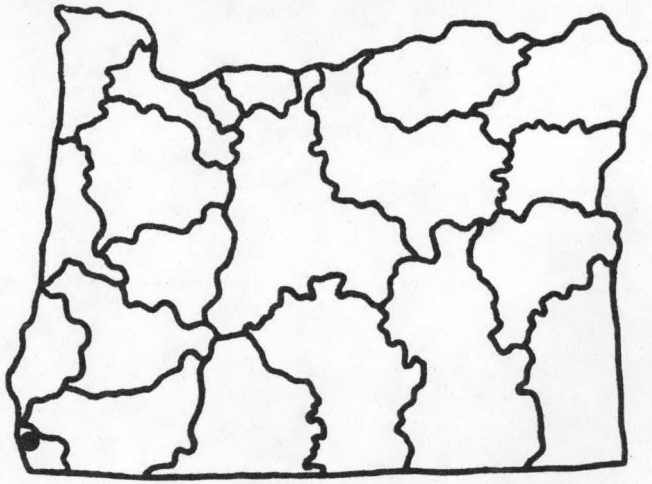
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	18.0	.27	2.40	1.000
80	34.0	.52	4.27	.941
50	201.2	3.07	18.80	.699
30	567.8	8.66	38.39	.506
10	1717.8	26.20	69.13	.301

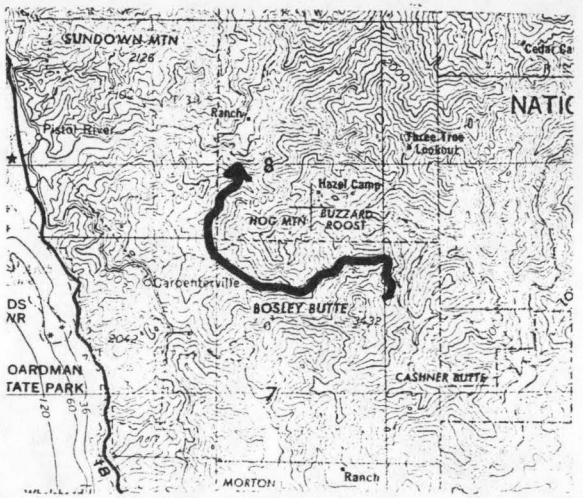
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 168 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-955-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T28S, R13W
D.	Latitude, Longitude	42°19'N, 124°17'W
E.	Stream Name	Pistol River
F.	Major Basin Name	South Coast
G.	River Mile	8.8 to 15.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

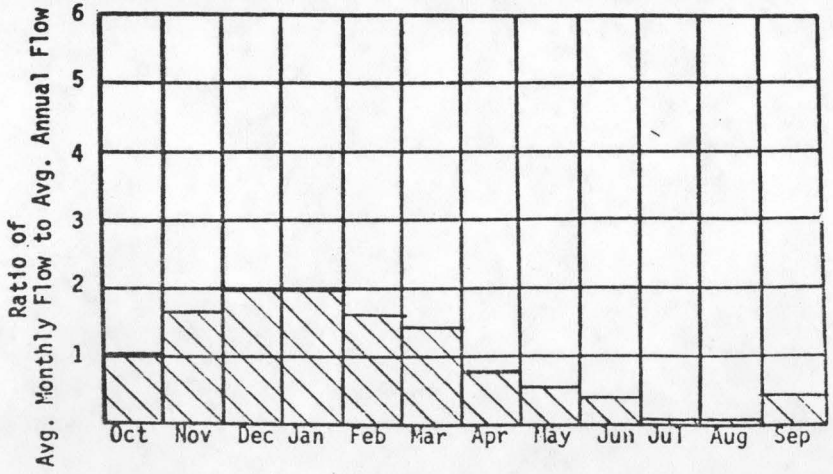
A.	Upstream Elevation of Reach	590	Ft. MSL
B.	Downstream Elevation of Reach	180	Ft. MSL
C.	Total Available Head in Reach	410	Ft.
D.	Average Slope in Reach	60.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	56.7	Sq.Mi.
F.	Inflow Classification	Natural	

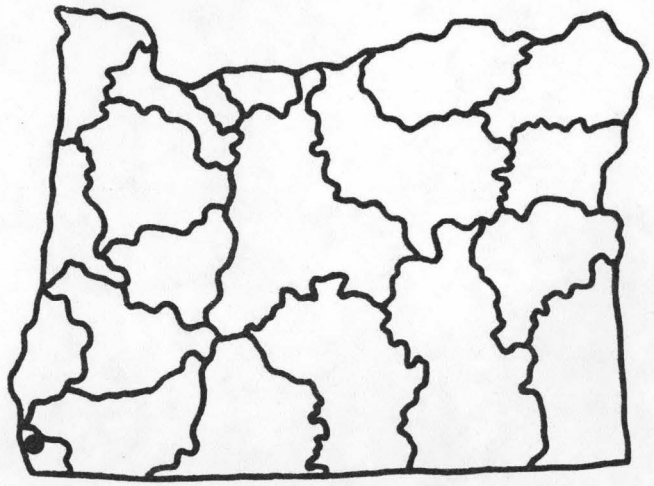
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.1	.32	2.78	1.000
80	17.2	.60	4.94	.941
50	102.2	3.55	21.74	.699
30	288.2	10.01	44.39	.506
10	872.0	30.30	79.93	.301

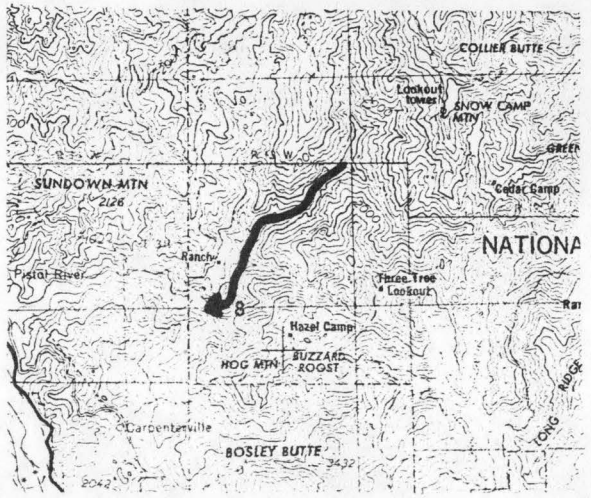
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 332 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-955-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.2, T37S, R13W
D.	Latitude, Longitude	42°19'N, 124°14'W
E.	Stream Name	Pistol River
F.	Major Basin Name	South Coast
G.	River Mile	15.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

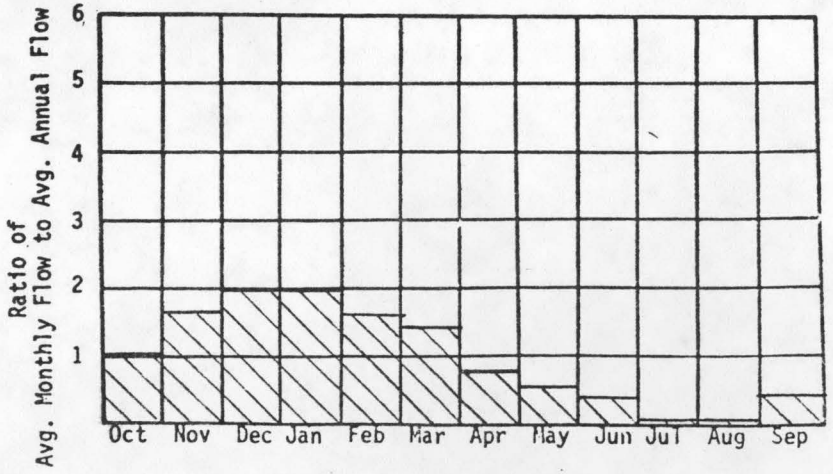
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	28.6	Sq.Mi.
F.	Inflow Classification	Natural	

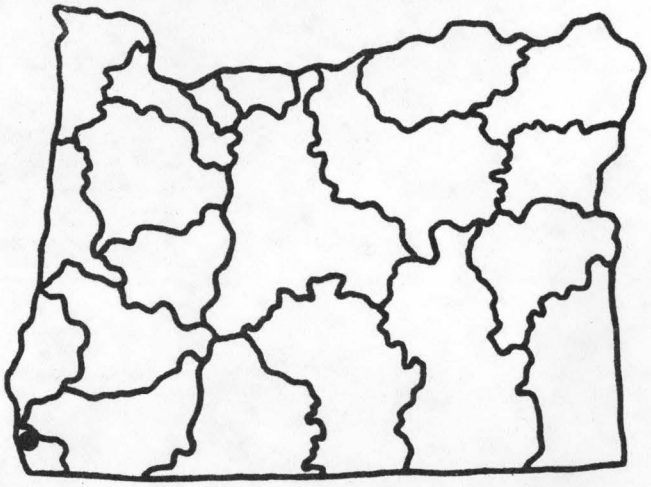
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.3	.04	.31	1.000
80	12.0	.07	.55	.941
50	70.9	.40	2.43	.699
30	200.2	1.12	4.96	.506
10	605.5	3.39	8.94	.301

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 230 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.5, T40S, R13W
D.	Latitude, Longitude	42°03'N, 124°17'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

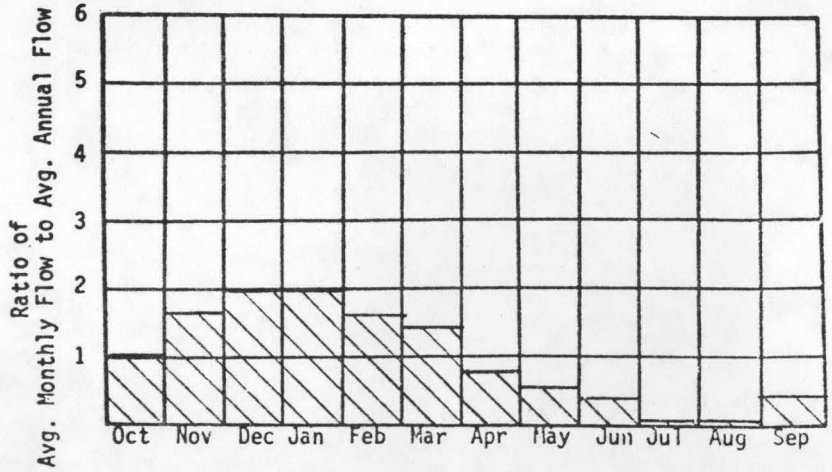
A.	Upstream Elevation of Reach	40	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	40	Ft.
D.	Average Slope in Reach	4	Ft./Mi.
E.	Drainage Area above Reach Mouth	325.9	Sq.Mi.
F.	Inflow Classification	Natural	

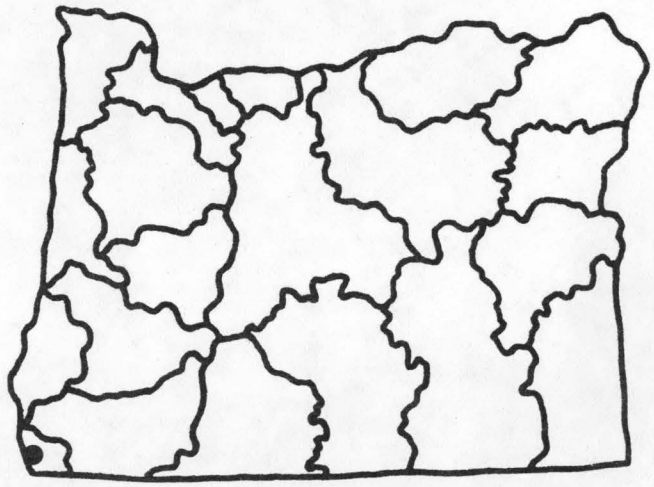
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	74.6	.25	2.22	1.000
80	141.2	.48	3.94	.941
50	836.1	2.83	17.36	.699
30	2358.9	8.00	35.45	.506
10	7136.3	24.19	63.82	.301

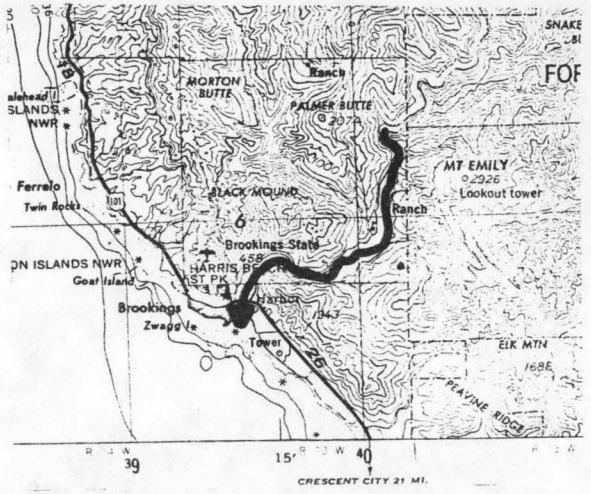
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2715 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.30, T39S, R12W
D.	Latitude, Longitude	42°07'N, 124°11'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	5.4 to 18.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

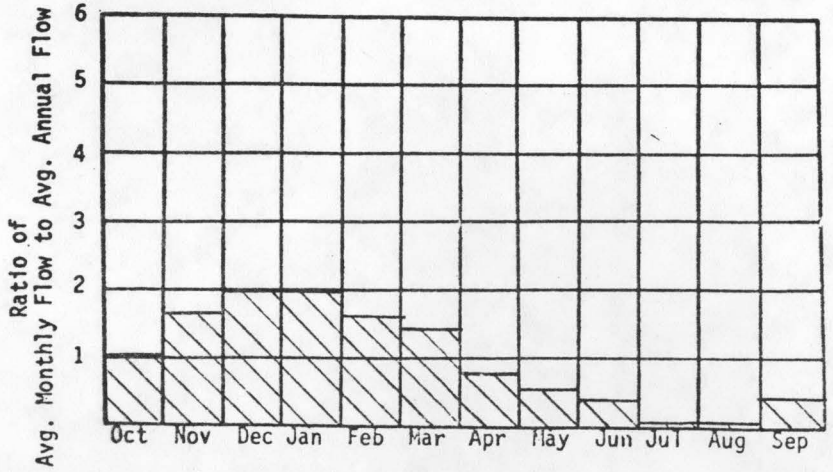
A.	Upstream Elevation of Reach	96	Ft. MSL
B.	Downstream Elevation of Reach	40	Ft. MSL
C.	Total Available Head in Reach	56	Ft.
D.	Average Slope in Reach	6.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	274	Sq.Mi.
F.	Inflow Classification	Natural	

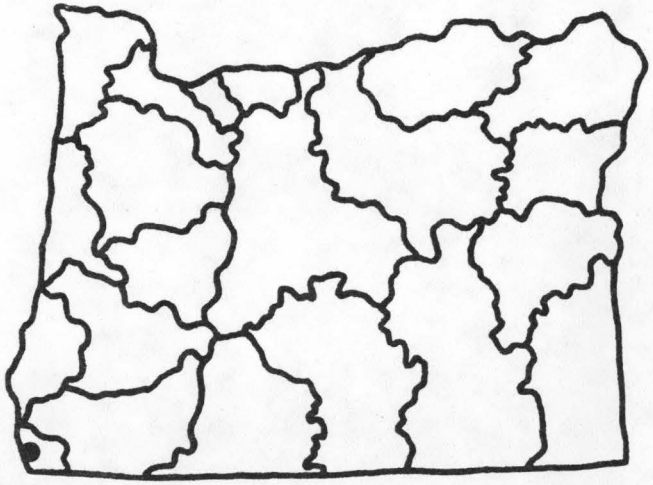
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	51.9	.25	2.16	1.000
80	98.2	.47	3.84	.941
50	581.7	2.76	16.91	.699
30	1641.2	7.79	34.53	.506
10	4965.3	23.56	62.16	.301

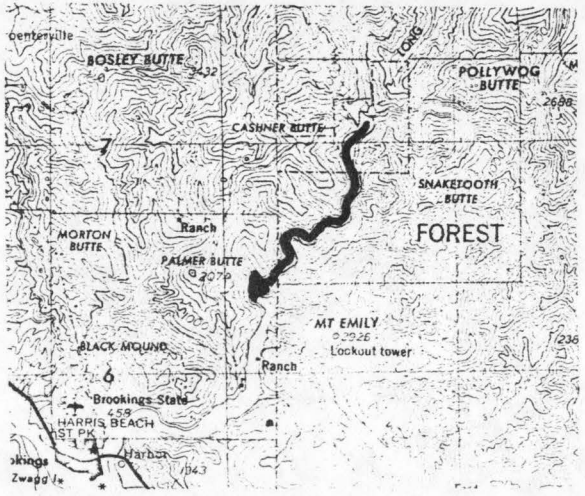
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1889 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-002-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	Sec.8, T39S, R12W	
D. Latitude, Longitude	42°10'N, 124°07'W	
E. Stream Name	South Fork Chetco River	
F. Major Basin Name	South Coast	
G. River Mile	0.0 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

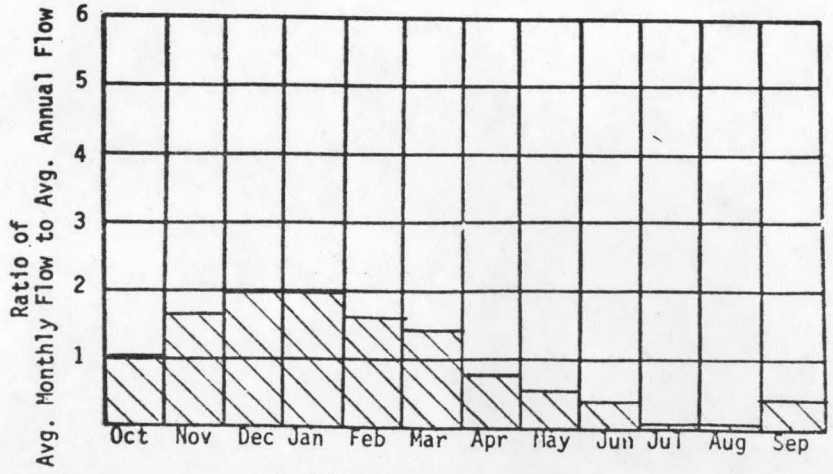
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	40.8	Sq.Mi.
F. Inflow Classification	Natural	

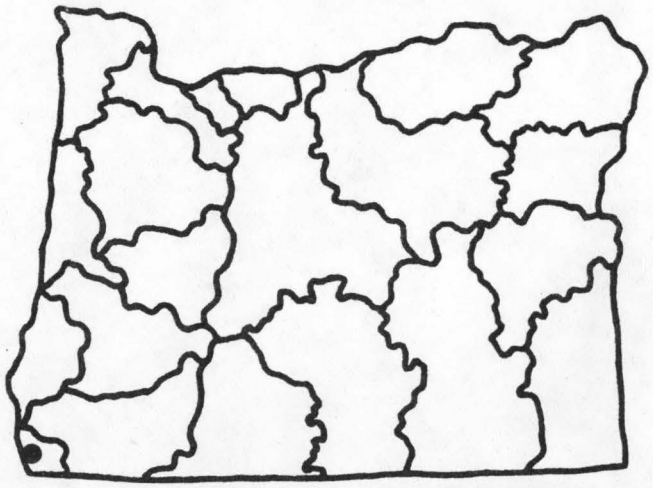
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.4	.05	.41	1.000
80	16.0	.09	.74	.941
50	94.5	.53	3.24	.699
30	266.7	1.49	6.61	.506
10	806.8	4.51	11.91	.301

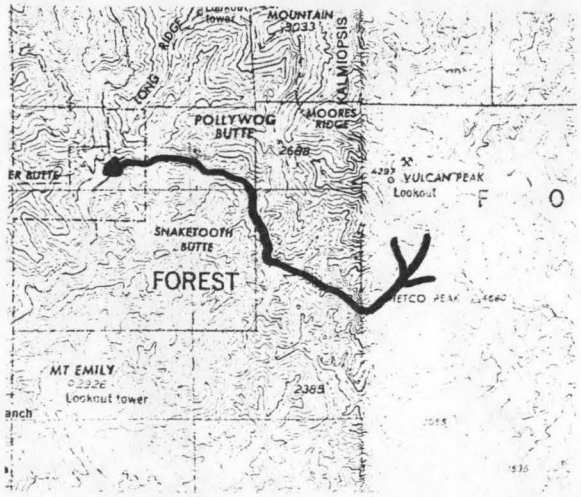
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 307 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.5, T39S, R12W
D.	Latitude, Longitude	42°12'N, 124°10'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	18.1 to 20.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

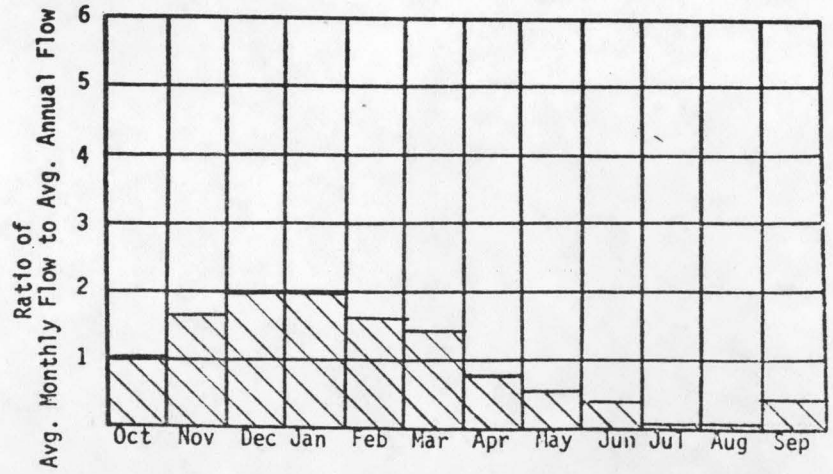
A.	Upstream Elevation of Reach	146	Ft. MSL
B.	Downstream Elevation of Reach	90	Ft. MSL
C.	Total Available Head in Reach	50	Ft.
D.	Average Slope in Reach	17.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	198.2	Sq.Mi.
F.	Inflow Classification	Natural	

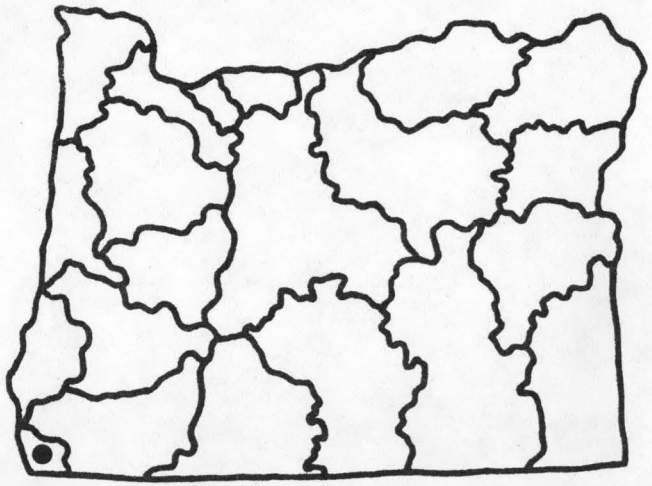
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	41.5	.18	1.54	1.000
80	78.5	.33	2.74	.941
50	465.1	1.97	12.07	.699
30	1312.3	5.56	24.65	.506
10	3970.2	16.82	44.38	.301

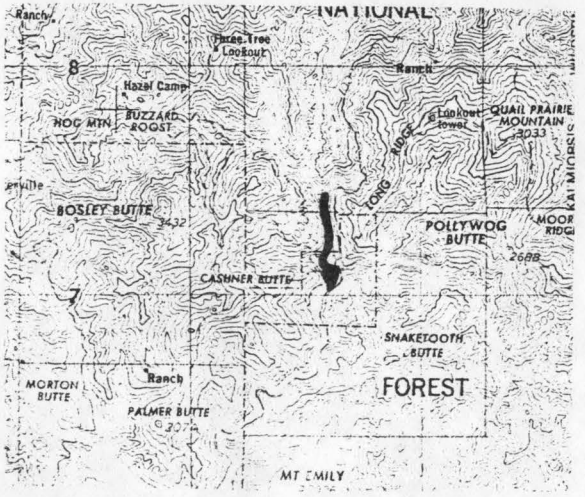
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1510 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-003-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.32, T38S, R12W
D.	Latitude, Longitude	42°14'N, 124°09'W
E.	Stream Name	Eagle Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

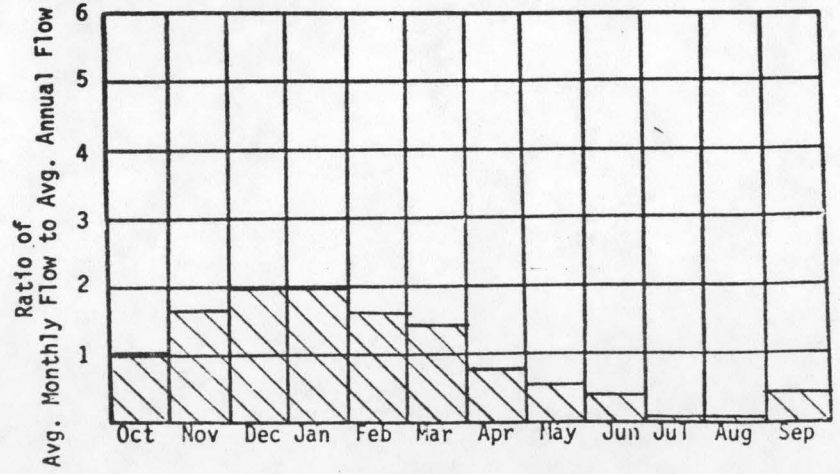
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	17.5	Sq.Mi.
F.	Inflow Classification	Natural	

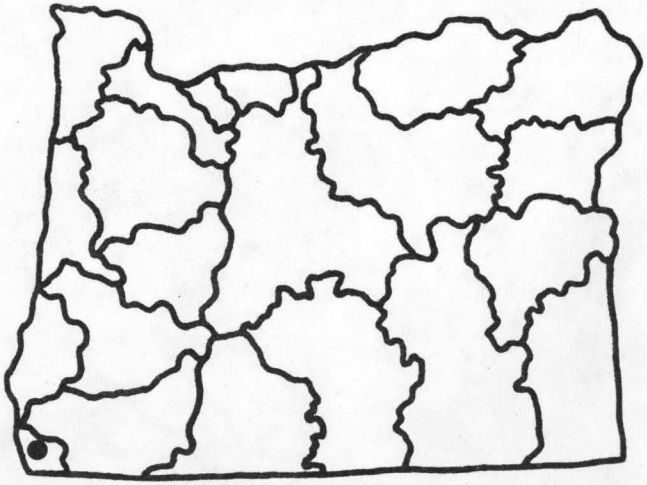
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.5	.02	.17	1.000
80	6.5	.04	.30	.941
50	38.7	.22	1.33	.699
30	109.3	.61	2.71	.506
10	330.7	1.85	4.88	.301

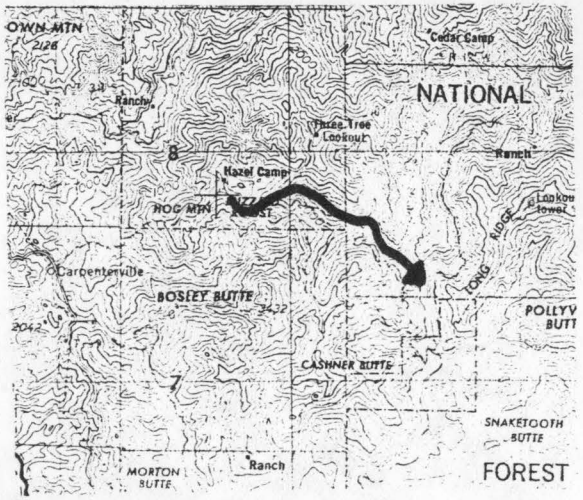
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 126 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.16, T38S, R12W
D.	Latitude, Longitude	42°16'N, 124°08'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	20.9 to 30.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

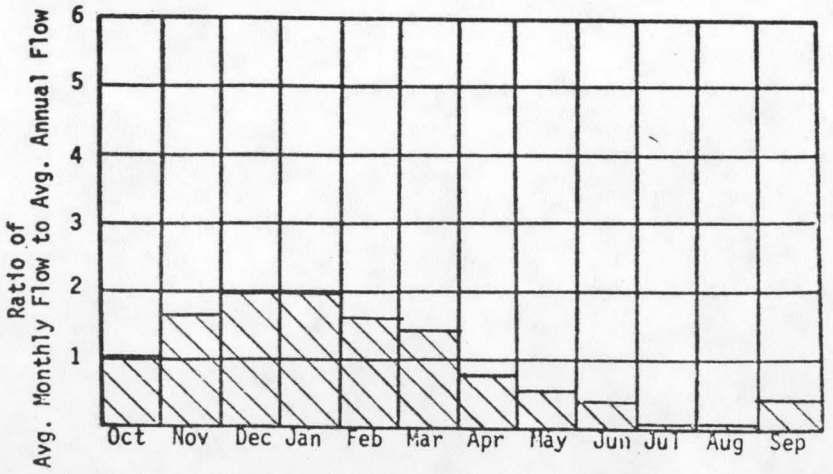
A.	Upstream Elevation of Reach	440	Ft. MSL
B.	Downstream Elevation of Reach	146	Ft. MSL
C.	Total Available Head in Reach	294	Ft.
D.	Average Slope in Reach	29.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	173.6	Sq.Mi.
F.	Inflow Classification	Natural	

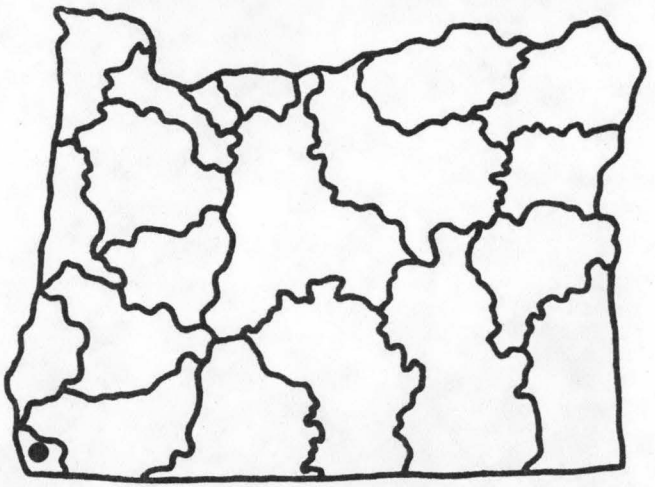
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	34.7	.87	7.58	1.000
80	65.7	1.64	13.49	.941
50	388.9	9.69	59.35	.699
30	1097.4	27.34	121.20	.506
10	3319.9	82.72	218.22	.301

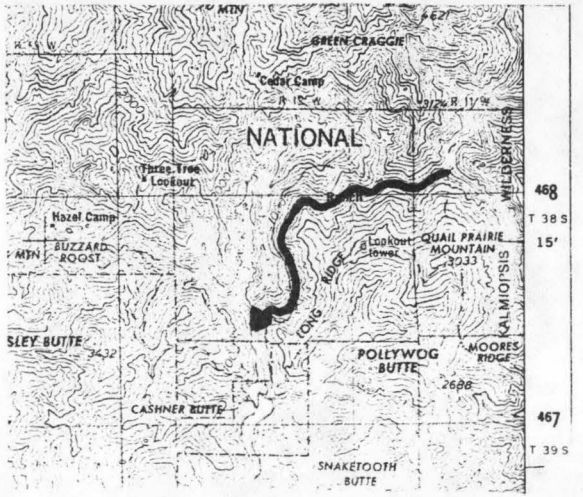
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1476 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-004-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.7, T38S, R11W
D.	Latitude, Longitude	42°17'N, 124°02'W
E.	Stream Name	Boulder Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

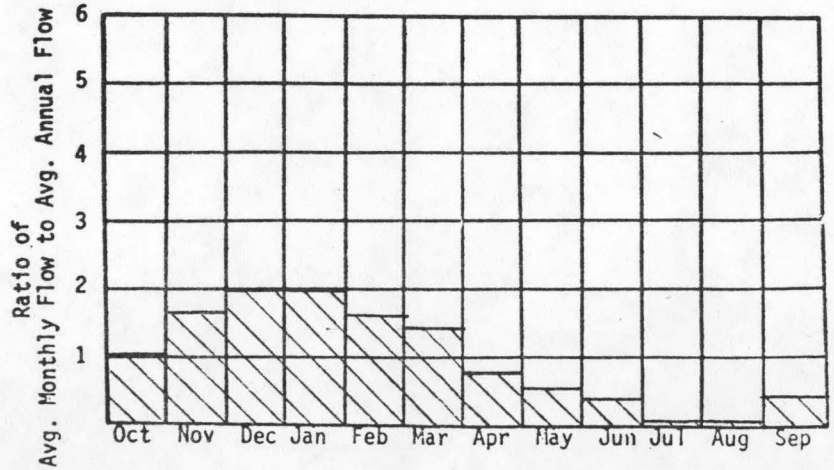
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	20	Sq.Mi.
F.	Inflow Classification	Natural	

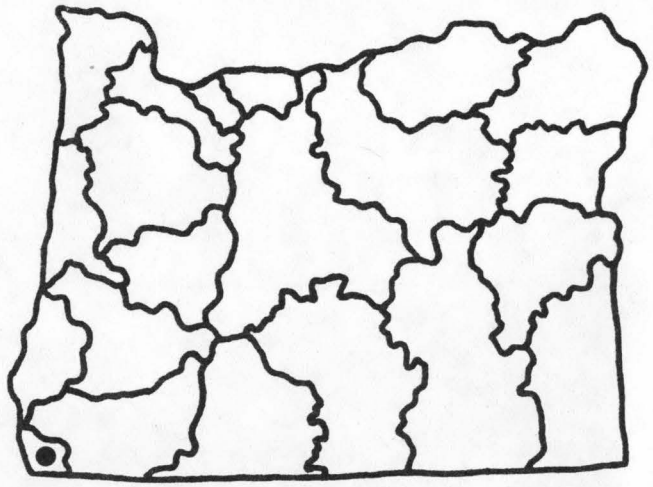
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.02	.21	1.000
80	8.1	.05	.37	.941
50	47.8	.27	1.64	.699
30	134.9	.75	3.34	.506
10	408.1	2.28	6.02	.301

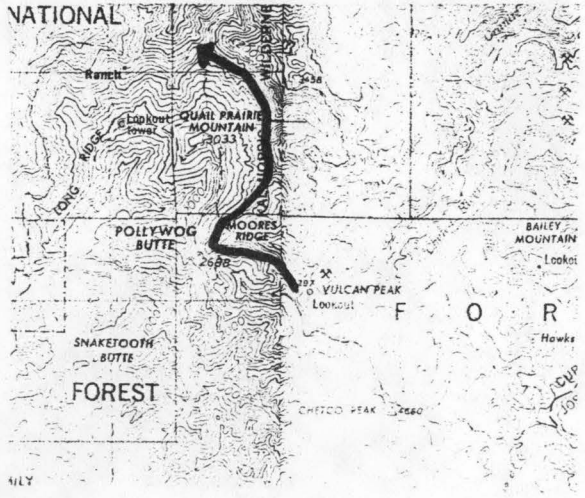
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 155 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.5, T38S, R11W
D.	Latitude, Longitude	42°18'N, 124°02'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	30.9 to 33.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

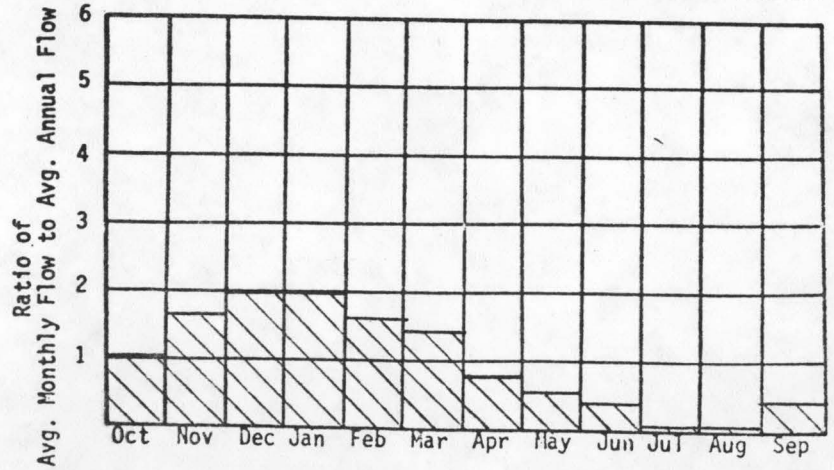
A.	Upstream Elevation of Reach	620	Ft. MSL
B.	Downstream Elevation of Reach	440	Ft. MSL
C.	Total Available Head in Reach	180	Ft.
D.	Average Slope in Reach	64.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	126.5	Sq.Mi.
F.	Inflow Classification	Natural	

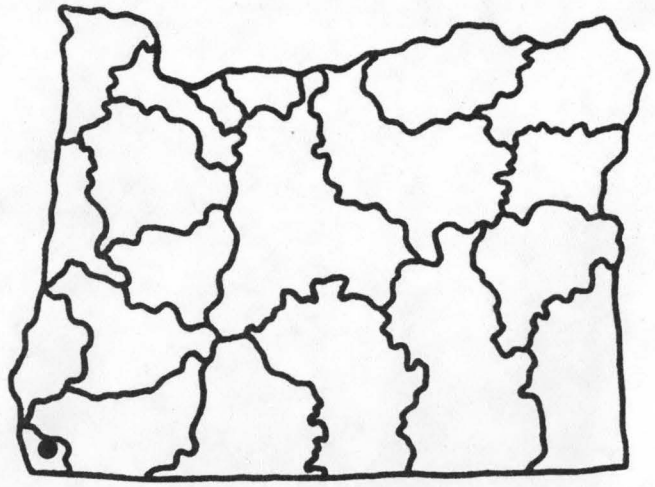
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	27.2	.42	3.64	1.000
80	51.5	.79	6.48	.941
50	305.0	4.65	28.50	.699
30	860.6	13.13	58.19	.506
10	2603.6	39.72	104.78	.301

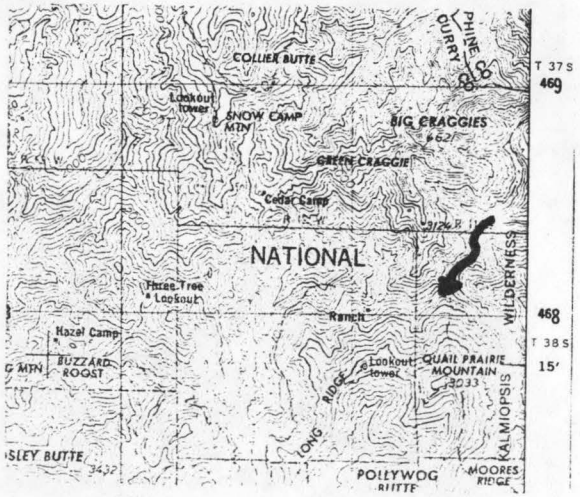
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 991 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-005-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	T37S, R11W
D.	Latitude, Longitude	42°19'N, 124°02'W
E.	Stream Name	Tincup Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

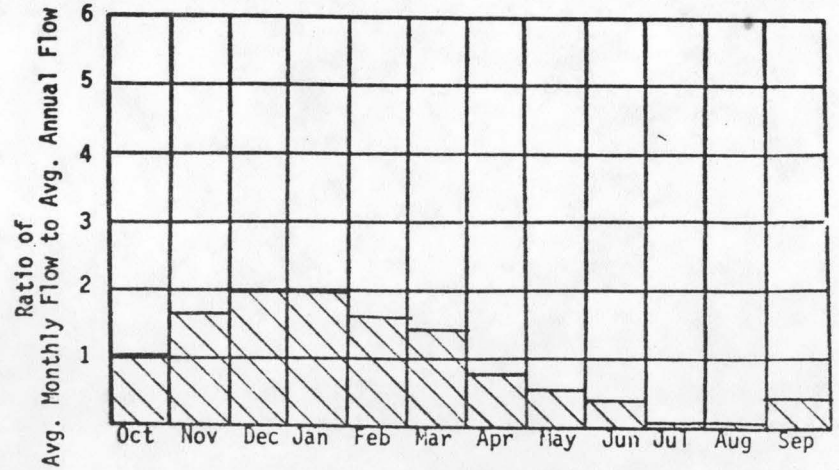
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	20.9	Sq.Mi.
F.	Inflow Classification	Natural	

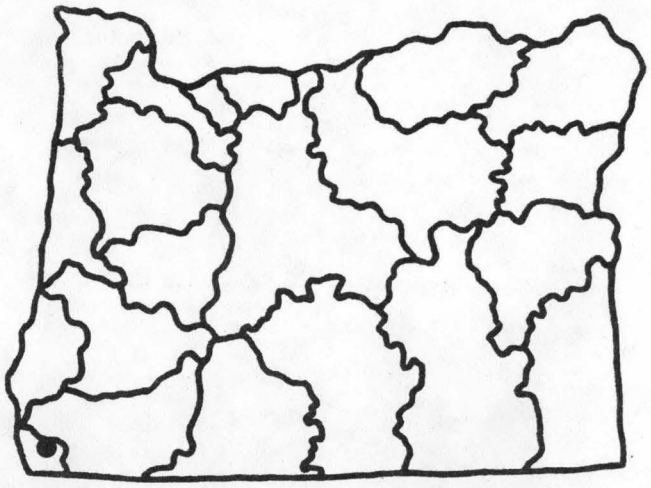
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.9	.03	.29	1.000
80	11.1	.06	.51	.941
50	65.8	.37	2.26	.699
30	185.7	1.04	4.60	.506
10	561.9	3.14	8.29	.301

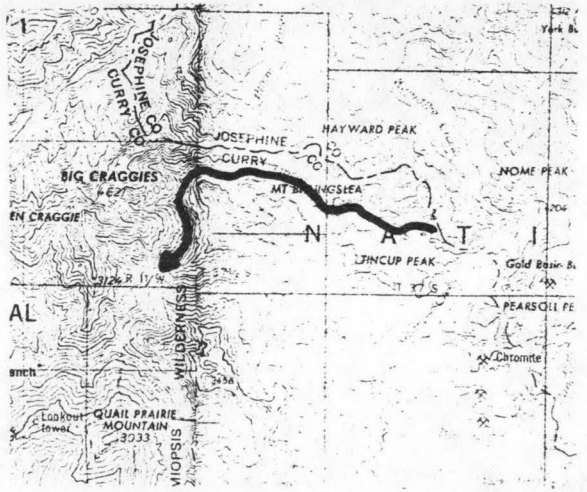
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 214 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY-MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.2, T38S, R11W
D.	Latitude, Longitude	42°18'N, 123°58'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	33.7 to 40.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

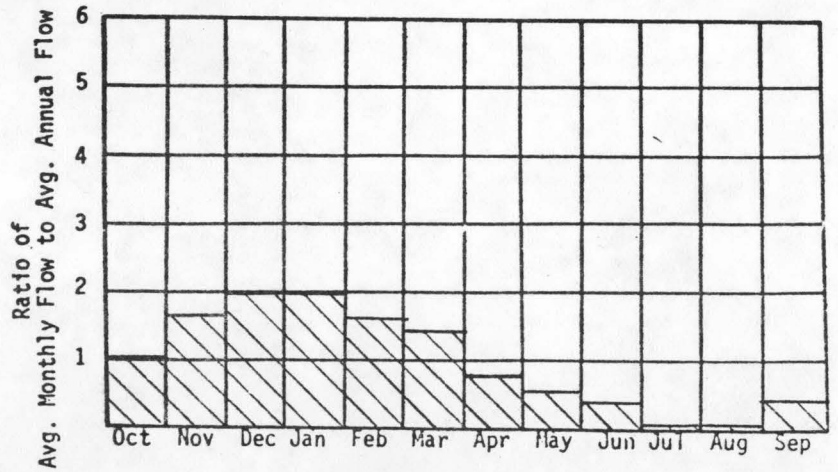
A.	Upstream Elevation of Reach	865	Ft. MSL
B.	Downstream Elevation of Reach	620	Ft. MSL
C.	Total Available Head in Reach	245	Ft.
D.	Average Slope in Reach	36.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	94.6	Sq.Mi.
F.	Inflow Classification	Natural	

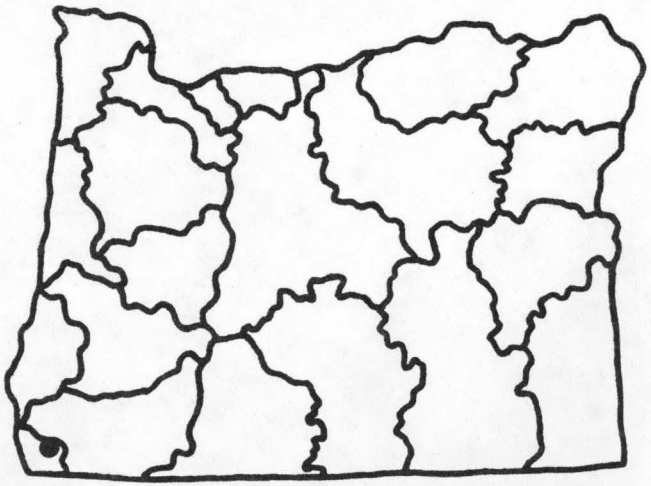
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	18.1	.38	3.29	1.000
80	34.2	.71	5.86	.941
50	202.8	4.21	25.78	.699
30	572.1	11.88	52.65	.506
10	1730.7	35.93	94.80	.301

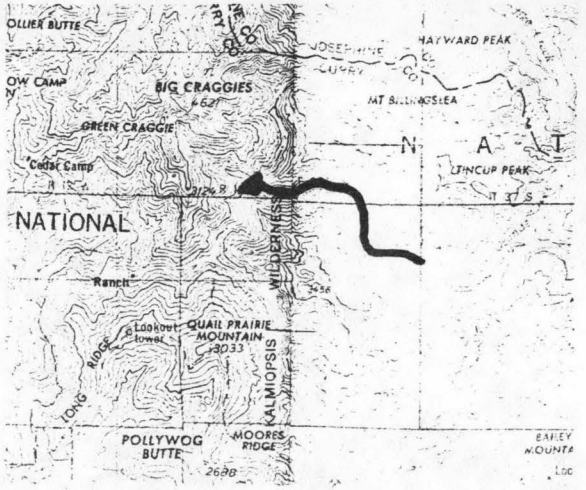
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 658 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0007

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	Sec.16, T38S, R10W	
D. Latitude, Longitude	42°16'N, 123°52'W	
E. Stream Name	Chetco River	
F. Major Basin Name	South Coast	
G. River Mile	40.4 to 50.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

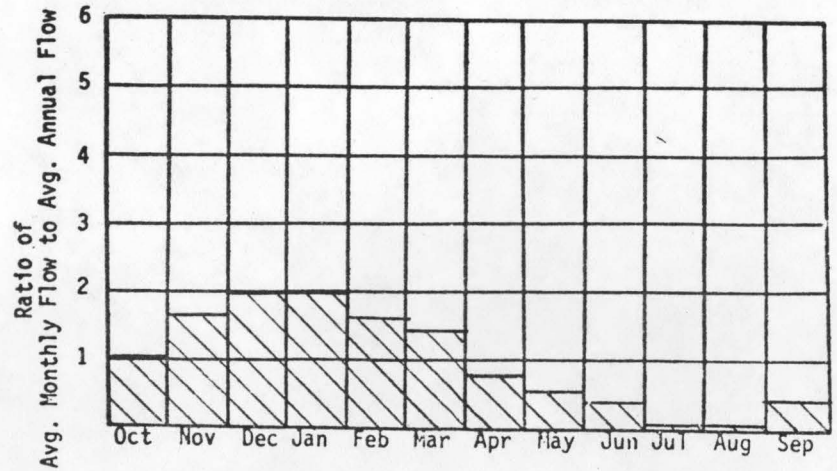
A. Upstream Elevation of Reach	1640	Ft. MSL
B. Downstream Elevation of Reach	865	Ft. MSL
C. Total Available Head in Reach	775	Ft.
D. Average Slope in Reach	80.7	Ft./Mi.
E. Drainage Area above Reach Mouth	69.4	Sq.Mi.
F. Inflow Classification	Natural	

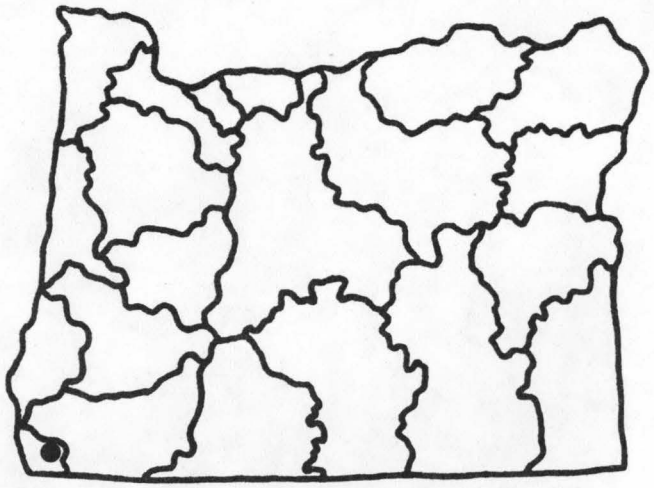
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.6	.76	6.65	1.000
80	21.9	1.44	11.83	.941
50	129.4	8.50	52.06	.699
30	365.2	23.98	106.31	.506
10	1104.7	72.56	191.41	.301

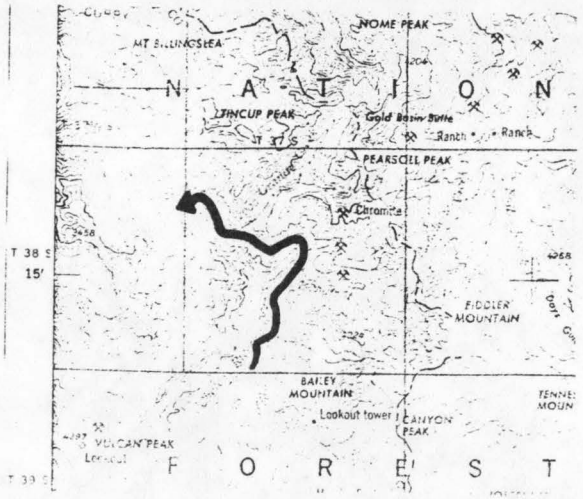
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 420 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.31, T38S, R10W
D.	Latitude, Longitude	42°13'N, 123°55'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	50.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

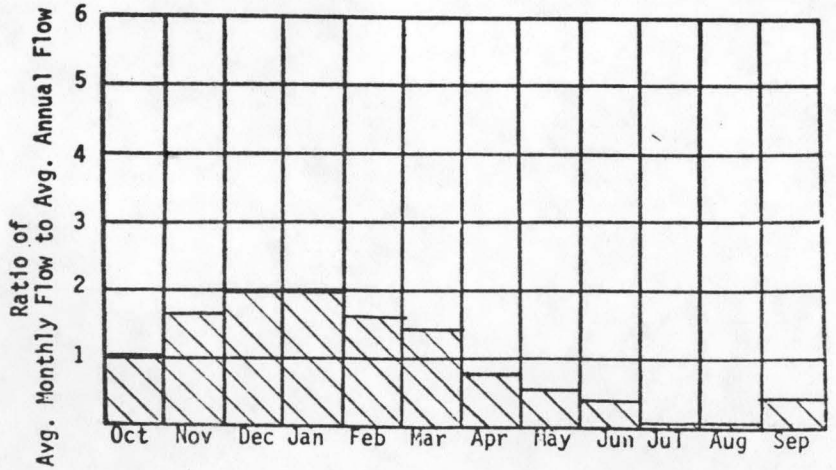
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	34.1	Sq.Mi.
F.	Inflow Classification	Natural	

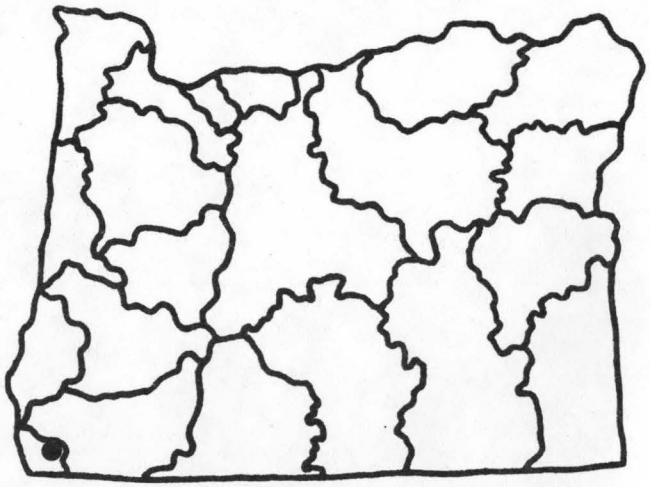
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.8	.04	.38	1.000
80	14.8	.08	.68	.941
50	87.6	.49	3.00	.699
30	247.0	1.38	6.12	.506
10	747.4	4.18	11.03	.301

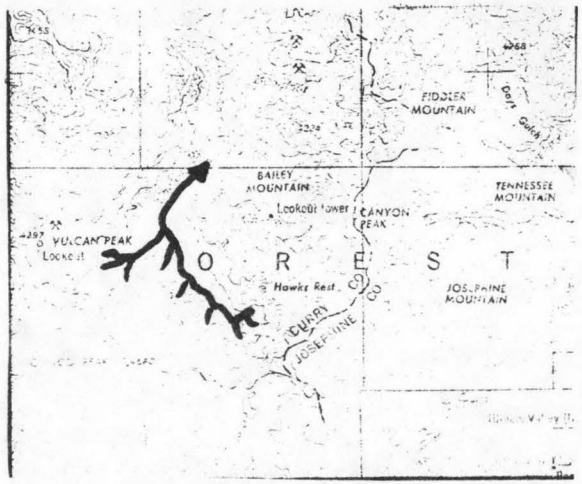
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 284 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-965-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.6, T41S, R12W
D.	Latitude, Longitude	42°02'N, 124°10'W
E.	Stream Name	Winchuck River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

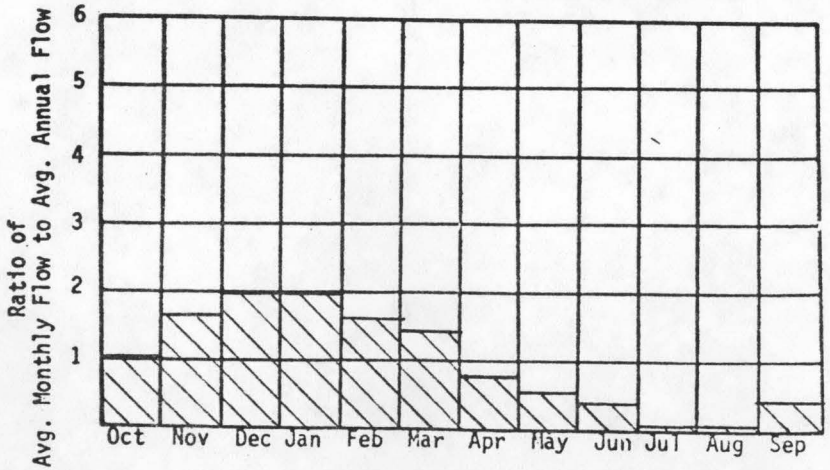
A.	Upstream Elevation of Reach	223	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	223	Ft.
D.	Average Slope in Reach	21.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	55	Sq.Mi.
F.	Inflow Classification	Natural	

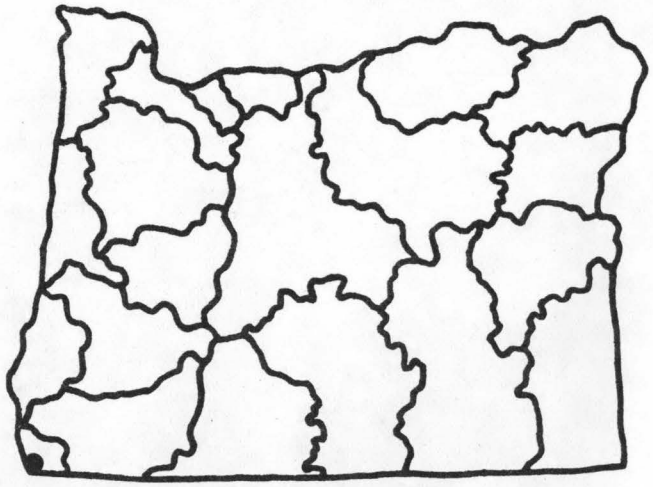
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.3	.17	1.53	1.000
80	17.5	.33	2.73	.941
50	103.6	1.96	12.00	.699
30	292.4	5.53	24.50	.506
10	884.7	16.72	44.11	.301

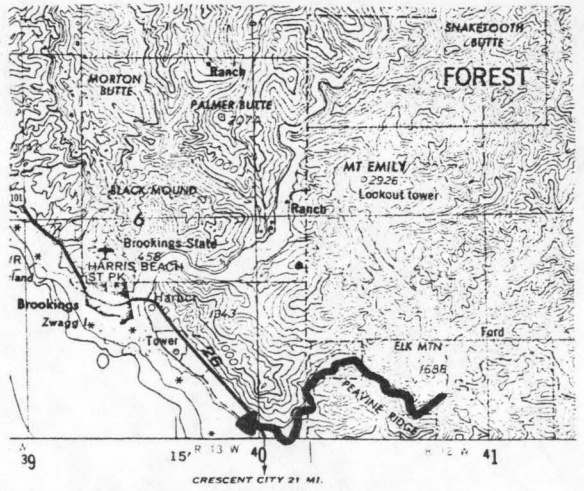
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 337 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-965-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.10, T41S,
D.	Latitude, Longitude	42°01'N, 124°06'W
E.	Stream Name	Winchuck River
F.	Major Basin Name	South Coast
G.	River Mile	10.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

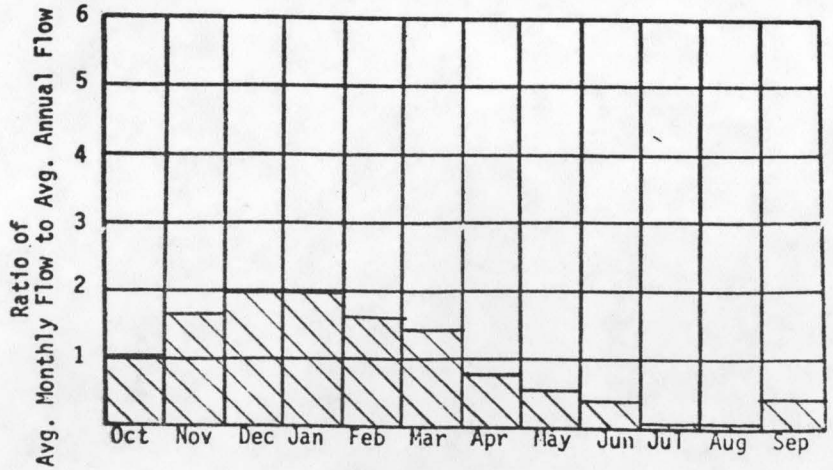
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	47.2	Sq.Mi.
F.	Inflow Classification	Natural	

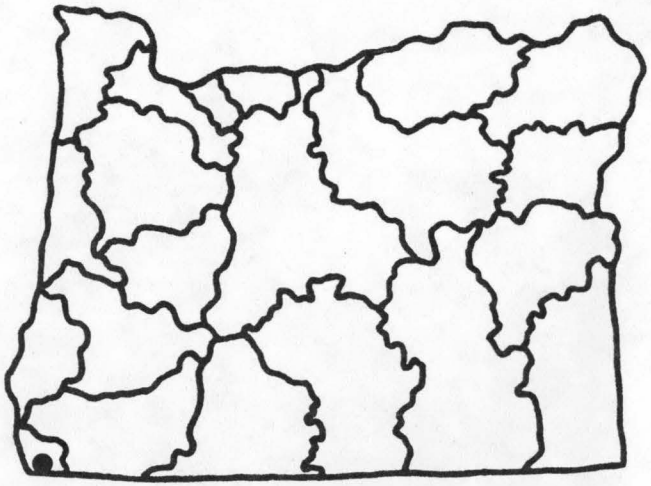
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.2	.05	.40	1.000
80	15.5	.09	.71	.941
50	91.5	.51	3.14	.699
30	258.2	1.44	6.40	.506
10	781.3	4.37	11.53	.301

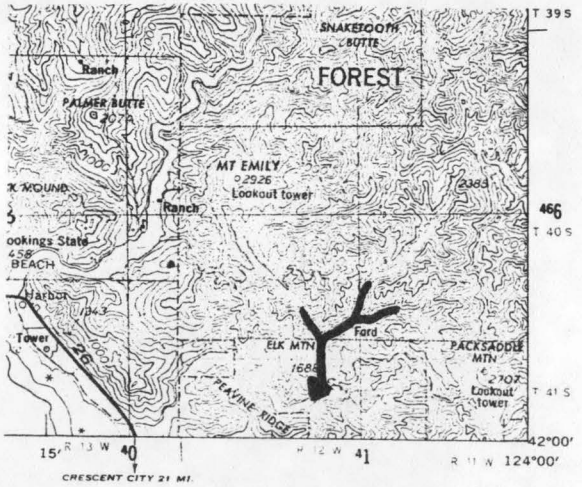
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 297 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-968-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.14, T41S, R11W
D.	Latitude, Longitude	42°01'N, 123°58'W
E.	Stream Name	North Fork Smith River
F.	Major Basin Name	South Coast
G.	River Mile	California border to 2.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

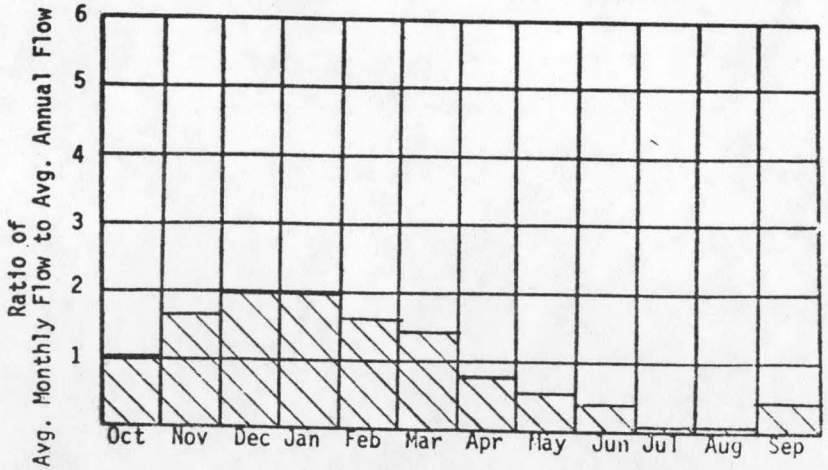
A.	Upstream Elevation of Reach	1060	Ft. MSL
B.	Downstream Elevation of Reach	920	Ft. MSL
C.	Total Available Head in Reach	140	Ft.
D.	Average Slope in Reach	58.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	71.5	Sq.Mi.
F.	Inflow Classification	Natural	

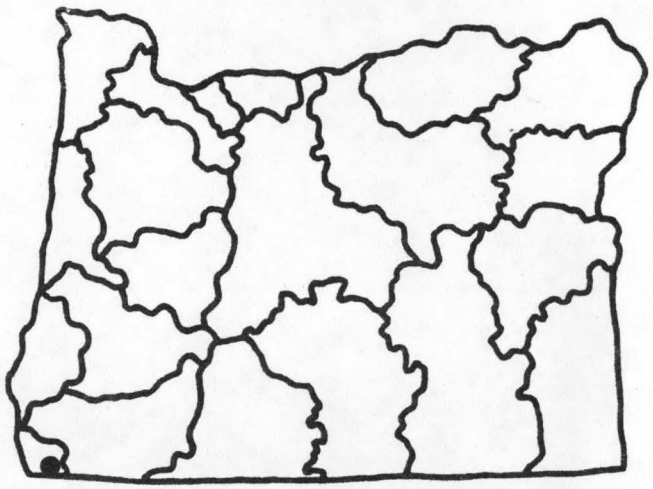
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.4	.18	1.60	1.000
80	29.1	.35	2.85	.941
50	172.3	2.04	12.52	.699
30	486.2	5.77	25.57	.506
10	1471.0	17.45	46.04	.301

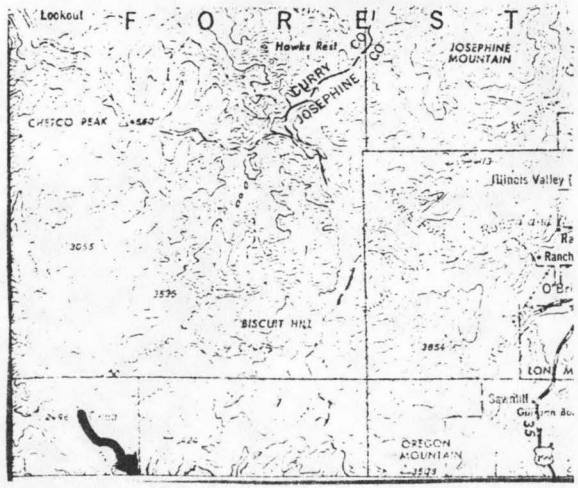
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 560 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-968-001-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.11, T41S, R11W
D.	Latitude, Longitude	42°02'N, 123°58'W
E.	Stream Name	Baldface Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

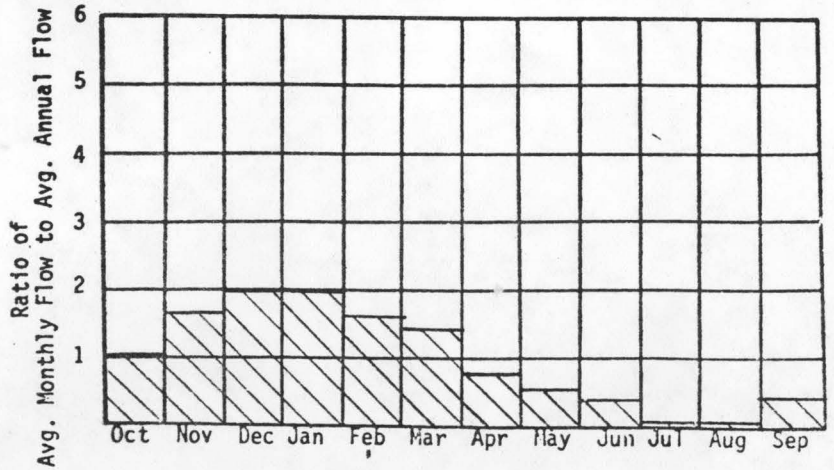
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	28.5	Sq.Mi.
F.	Inflow Classification	Natural	

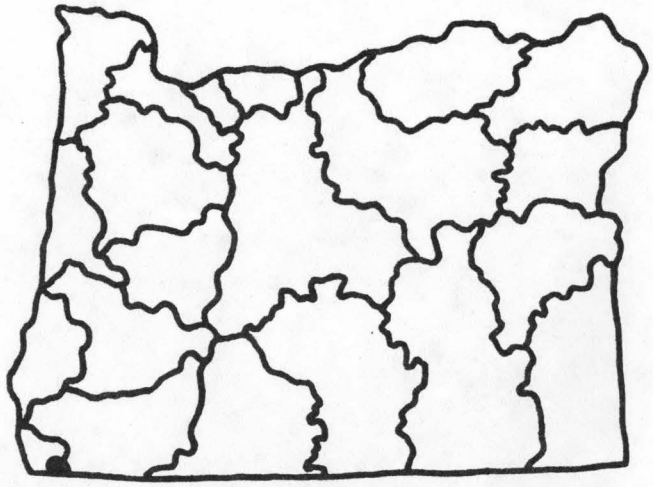
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.7	.04	.33	1.000
80	12.7	.07	.59	.941
50	75.3	.42	2.58	.699
30	212.4	1.19	5.27	.506
10	642.5	3.59	9.48	.301

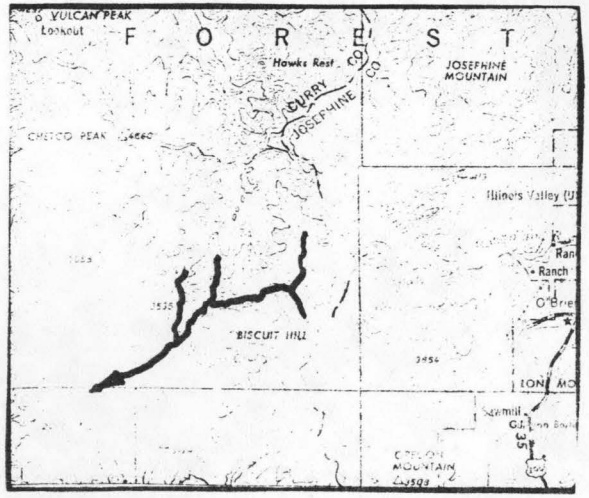
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 244 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-968-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	T41S, R11W
D.	Latitude, Longitude	42°03'N, 123°58'W
E.	Stream Name	North Fork Smith River
F.	Major Basin Name	South Coast
G.	River Mile	2.4 to 4.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

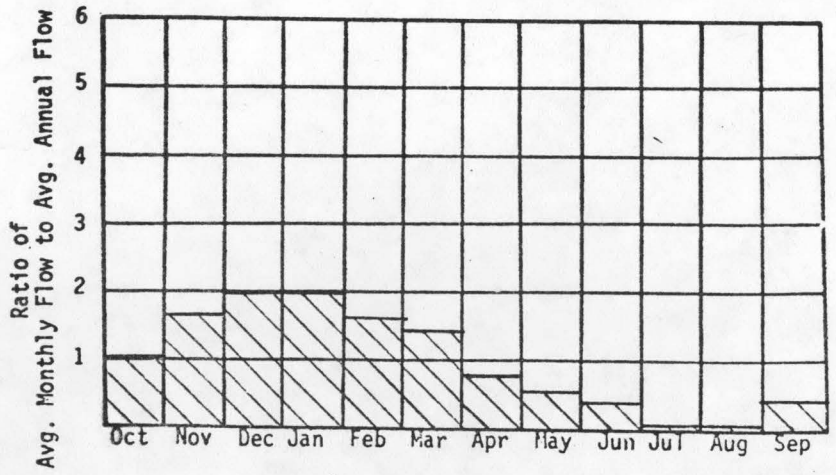
A.	Upstream Elevation of Reach	1200	Ft. MSL
B.	Downstream Elevation of Reach	1060	Ft. MSL
C.	Total Available Head in Reach	140	Ft.
D.	Average Slope in Reach	63.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	33.0	Sq.Mi.
F.	Inflow Classification	Natural	

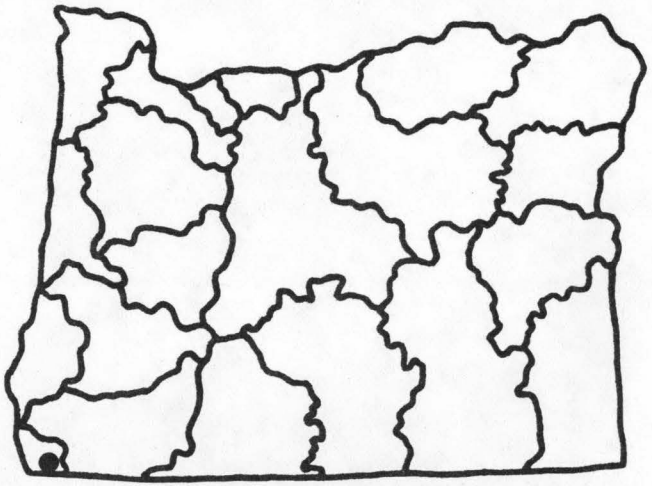
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.9	.08	.72	1.000
80	13.1	.16	1.28	.941
50	77.4	.92	5.63	.699
30	218.4	2.59	11.49	.506
10	660.8	7.84	20.68	.301

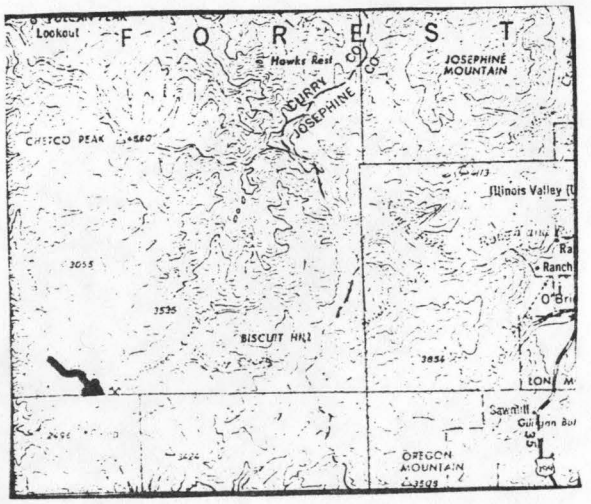
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 252 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-968-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	T40S, R11W
D.	Latitude, Longitude	42°03'N, 123°58'W
E.	Stream Name	North Fork Smith River
F.	Major Basin Name	South Coast
G.	River Mile	4.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

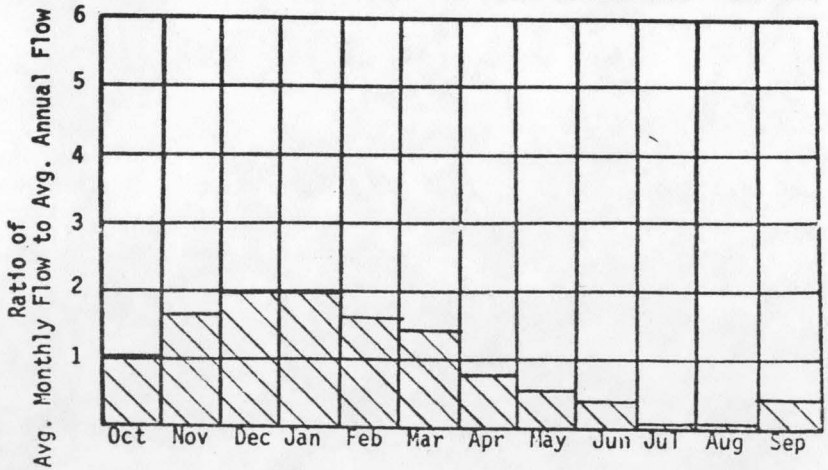
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	27.3	Sq.Mi.
F.	Inflow Classification	Natural	

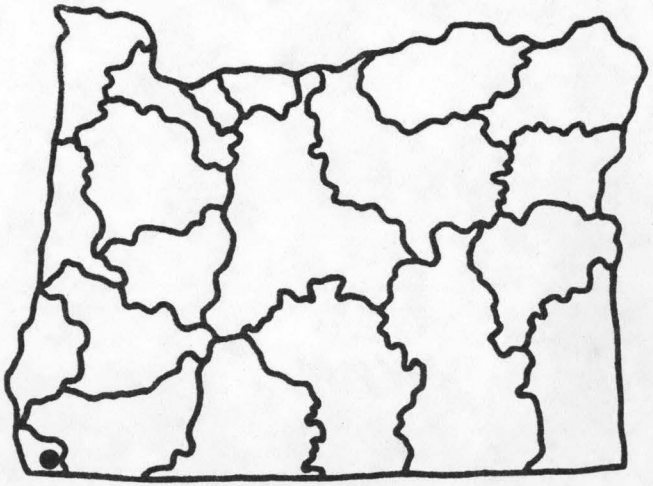
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.3	.04	.31	1.000
80	11.9	.07	.55	.941
50	70.4	.39	2.41	.699
30	198.7	1.11	4.93	.506
10	601.2	3.36	8.87	.301

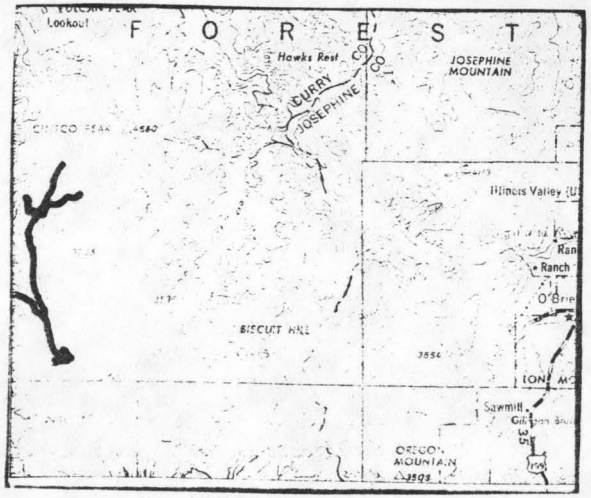
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 229 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD-COOS BAY



FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-810-								
000-000-000-R0001	-	X	X	X	0.2	115-B	1,2	3.2
006-000-000-R0001	-	X	X	X	5.6	115-B	-	8.0
006-002-000-R0001	-	-	X	X	5.1	115-B	-	10.3
006-002-000-R0002	-	-	-	X	8.0	115-B	-	10.6
006-002-000-R0003	-	-	-	X	11.2	115-B	-	11.6
006-002-000-R0004	-	-	-	X	11.2	115-B	-	11.5
006-005-000-R0001	-	-	X	X	9.5	115-B	-	14.3
006-005-000-R0002	-	-	-	X	11.7	115-B	-	14.2
009-000-000-R0001	-	X	X	X	5.0	115-B	-	7.2
009-000-000-R0002	-	-	-	X	9.8	115-B	-	12.1
009-000-000-R0003	-	-	-	X	14.3	115-B	-	17.9
009-008-000-R0001	-	-	-	X	13.3	230-B	-	22.9
009-008-001-R0001	-	-	-	X	10.8	230-B	-	20.8

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-810-								
009-008-001-R0002	-	-	-	X	10.0	230-B	-	19.9
009-008-000-R0002	-	-	-	X	8.3	34.5-D-E	-	19.2
009-008-000-R0003	-	-	-	X	4.8	230-B	-	16.0
009-011-000-R0001	-	-	-	X	10.5	230-B	-	23.6
009-011-000-R0002	-	-	X	X	8.5	230-B	-	23.5
02-825-								
000-000-000-R0001	X	X	X	X	1.0	24.9-CC-C	1,2	2.7
000-000-000-R0002	X	X	X	X	0.2	20-PPL	-	5.9
000-000-000-R0003	-	X	X	X	0.5	23-PPL	1,2	0.3
000-000-000-R0005	-	X	X	X	0.3	115-B	1.2	5.2
004-000-000-R0001	-	X	-	X	1.6	115-B	-	8.4
004-003-000-R0001	-	X	-	X	1.8	115-B	-	9.2
004-003-000-R0002	-	X	X	X	1.0	230-B	-	12.9

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-825-								
004-003-000-R0003	-	X	X	X	0.5	230-B	-	16.2
004-003-000-R0004	-	X	-	X	0.8	230-B	-	17.2
004-000-000-R0003	-	X	-	X	0.6	230-B	-	4.8
004-005-000-R0001	-	X	-	X	0.1	24.9-CC-C	-	7.5
004-005-000-R0002	-	-	-	X	0.1	230-B	-	8.5
004-000-000-R0004	-	X	X	X	0.5	115-B	1	5.2
004-000-000-R0005	-	-	X	X	0.3	115-B	-	10.2
004-000-000-R0006	-	-	-	X	0.1	20-PPL	-	13.4
008-000-000-R0001	-	X	X	X	0.1	24.9-CC-C	1	1.0
008-003-000-R0001	-	X	X	X	0.2	24.9-CC-C	1	4.0
008-003-002-R0001	-	-	-	X	1.0	24.9-CC-C	-	8.7
008-003-002-R0002	-	-	-	X	1.5	24.9-CC-C	-	10.5
008-003-002-R0003	-	-	X	X	1.5	24.9-CC-C	-	10.5

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY>1000 Miles
02-825-								
008-003-000-R0002	-	X	X	X	0.9	24.9-CC-C	-	10.6
008-003-000-R0003	-	X	X	X	0.9	24.9-CC-C	-	17.0
008-003-001-R0001	-	-	-	X	2.2	24.9-CC-C	-	18.6
008-003-000-R0004	-	X	X	X	2.9	24.9-CC-C	-	3.0
008-003-000-R0005	-	X	X	X	3.9	24.9-CC-C	-	17.3
008-000-000-R0002	-	X	-	X	0.6	20-PPL	1	3.9
008-000-000-R0003	-	-	-	X	1.1	20-PPL	-	8.5
008-000-000-R0004	-	X	X	X	1.3	20-PPL	-	13.4
008-000-000-R0005	-	-	X	X	8.0	20-PPL	-	19.8
008-000-000-R0006	-	-	-	X	11.5	20-PPL	-	23.2
008-000-000-R0007	-	-	-	X	8.3	24.9-CC-C	-	20.9
02-835-								
000-000-000-R0001	-	X	-	X	0.6	115-B	-	10.7

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

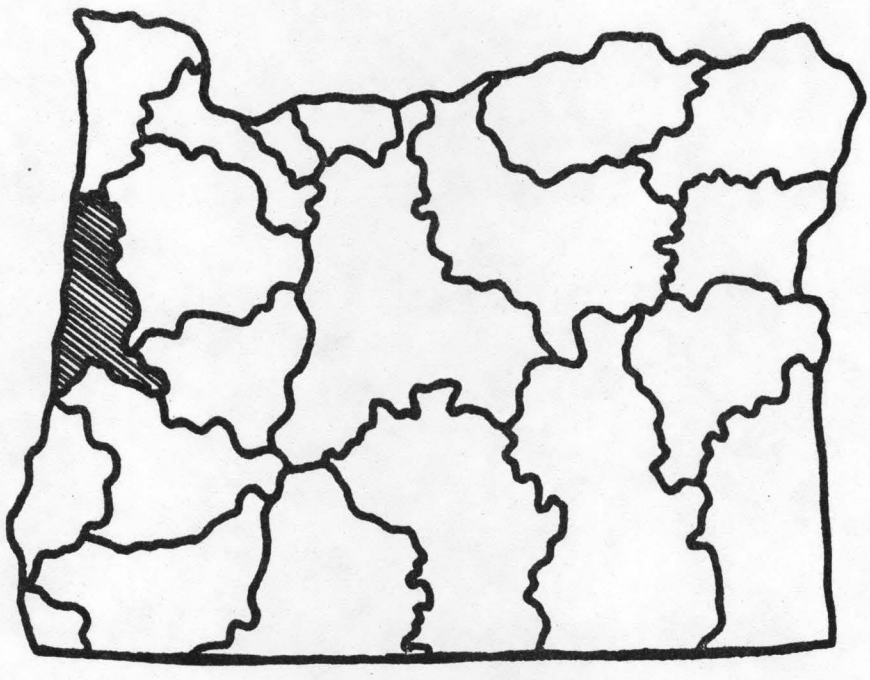
REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-835-								
000-000-000-R0002	-	-	-	X	5.2	115-B	-	12.0
002-000-000-R0001	-	-	-	-	5.7	115-B	-	12.8
002-000-000-R0002	-	-	-	-	5.0	115-B	-	12.5
02-840-								
000-000-000-R0001	-	X	X	X	0.2	115/230-B	1	3.7
000-000-000-R0002	-	-	-	X	5.0	115-B	-	5.6
000-000-000-R0003	-	-	-	X	9.8	20-PPL	-	10.8
000-000-000-R0004	-	-	-	X	7.9	20-PPL	-	12.9
02-845-								
000-000-000-R0001	-	X	X	X	0.5	115/230-B	1	1.5
000-000-000-R0002	-	-	-	X	2.5	115/230-B	-	5.3
000-000-000-R0003	-	-	-	X	7.2	115/230-B	-	10.0
000-000-000-R0004	-	-	-	X	9.0	115/230-B	-	12.4
02-850								
000-000-000-R0001	-	X	X	X	0.1	115-B	-	10.6
000-000-000-R0002	-	X	X	-	0.3	115/230-B	-	11.2

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-950-								
000-000-000-R0001	-	-	-	X	0.2	69-CC-C	1,2	1.0
02-955-								
000-000-000-R0001	-	-	-	X	0.7	115-CC-C	-	9.0
001-000-000-R0001	-	-	-	-	4.0	115-CC-C	-	11.0
000-000-000-R0002	-	-	-	X	6.2	115-CC-C	-	10.0
000-000-000-R0003	-	-	-	X	9.2	115-CC-C	-	11.0
02-960-								
000-000-000-R0001	-	X	X	X	2.5	115-CC-C	1,2	3.4
000-000-000-R0002	-	-	-	X	8.0	115-CC-C	-	9.5
002-000-000-R0001	-	-	-	X	9.0	115-CC-C	-	11.5
000-000-000-R0003	-	-	-	X	9.5	115-CC-C	-	12.0
003-000-000-R0001	-	-	-	X	10.0	69-CC-C	-	12.5
000-000-000-R0004	-	-	-	X	12.4	69-CC-C	-	16.0
004-000-000-R0001	-	-	-	-	16.0	69-CC-C	-	18.5

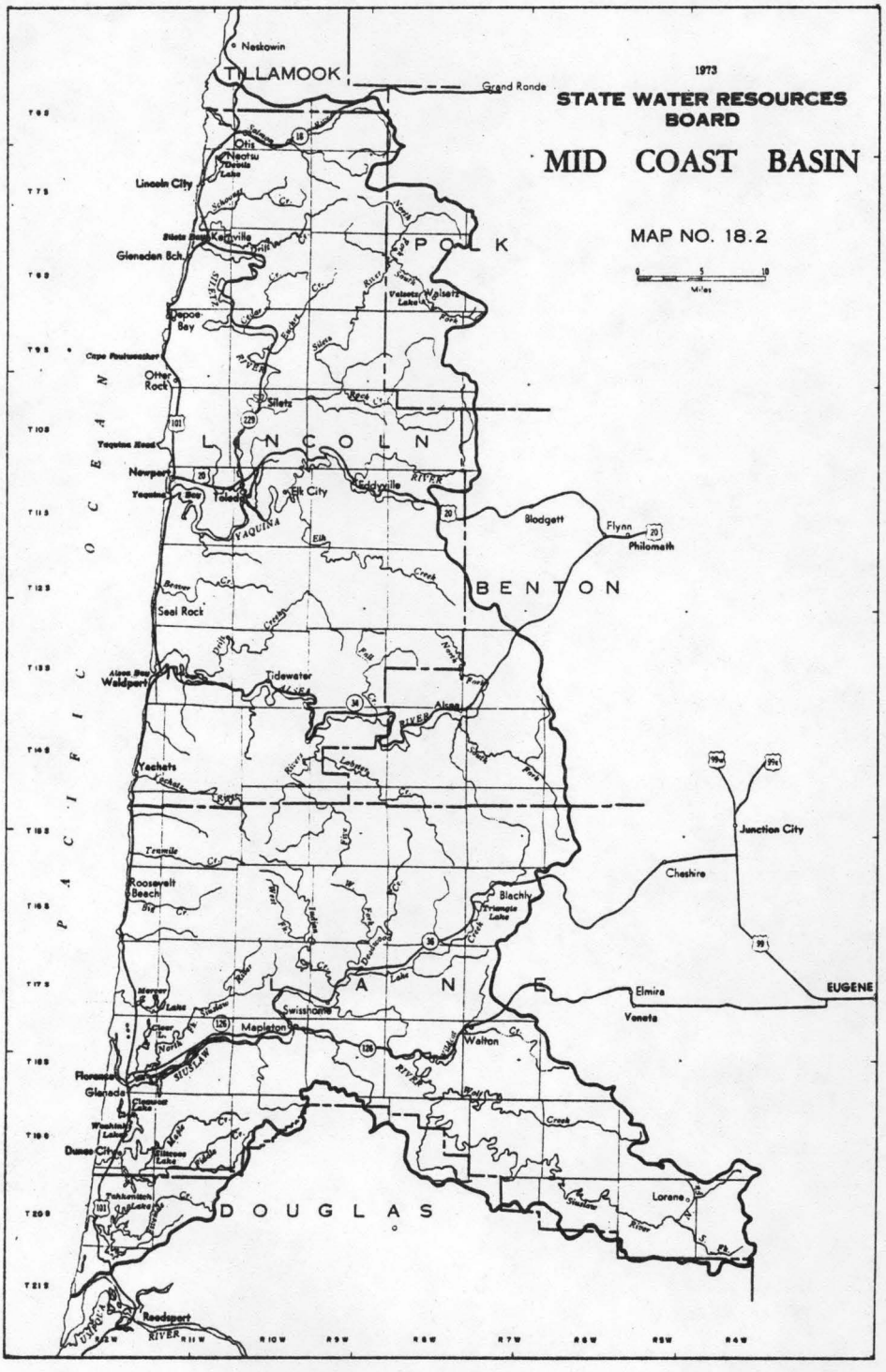
FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-960-								
000-000-000-R0005	-	-	-	-	15.5	115-CC-C	-	19.5
005-000-000-R0001	-	-	-	-	17.0	69-CC-C	-	21.0
000-000-000-R0006	-	-	-	-	20.0	115-CC-C	-	22.5
000-000-000-R0007	-	-	-	-	24.0	115-CC-C	-	25.0
000-000-000-R0008	-	-	-	-	21.0	115-CC-C	-	23.0
02-965-								
000-000-000-R0001	-	-	X	X	2.0	115-CC-C	-	6.0
000-000-000-R0002	-	-	-	X	4.5	115-CC-C	-	9.0
02-968-								
000-000-000-R0001	-	-	-	-	12.5	115-CC-C	-	16.5
001-000-000-R0001	-	-	-	-	13.0	115-CC-C	-	16.0
000-000-000-R0002	-	-	-	-	13.0	115-CC-C	-	16.5
000-000-000-R0003	-	-	-	-	13.0	115-CC-C	-	16.5



APPENDIX 18

MID-COAST BASIN


1973
STATE WATER RESOURCES BOARD
MID COAST BASIN
MAP NO. 18.2
Miles
TILLAMOOK
POLK
LINCOLN
BENTON
LANE
DOUGLAS
Neskowin
Grand Ronde
Otis
Lincoln City
Kernville
Glenaden Bch.
Depoe Bay
Otter Rock
Newport
Toledo
Elk City
Eddyville
Blodgett
Flynn
Philomath
Seal Rock
Tidewater
Waldport
Yachets
Junction City
Cheshire
Roosevelt Beach
Blachly
Elmira
Veneta
EUGENE
Swisshome
Mapleton
Walton
Florence
Glenada
Dunes City
Lorene
Reedsport
PACIFIC OCEAN
YAQUINA
SIUSLAW
UMPQUA
RIVER

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.29, T6S, R10W
D.	Latitude, Longitude	45°01'N,123°55'W
E.	Stream Name	Salmon River
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 8.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

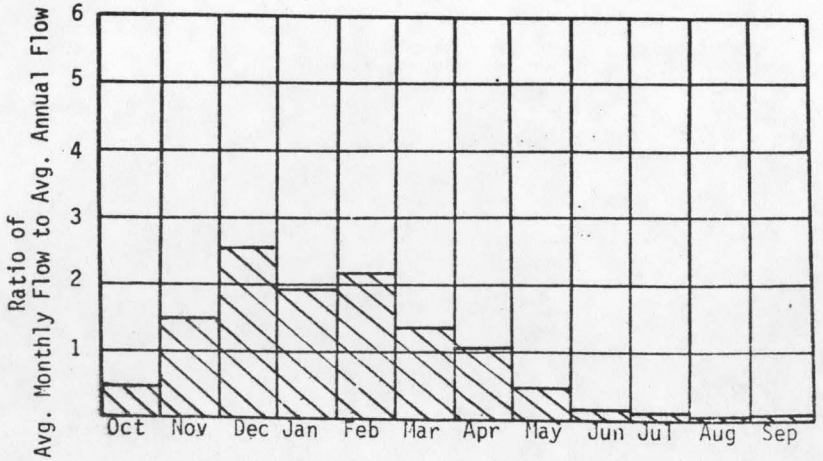
A.	Upstream Elevation of Reach	100	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	100	Ft.
D.	Average Slope in Reach	11.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	71.0	Sq.Mi.
F.	Inflow Classification	Natural	

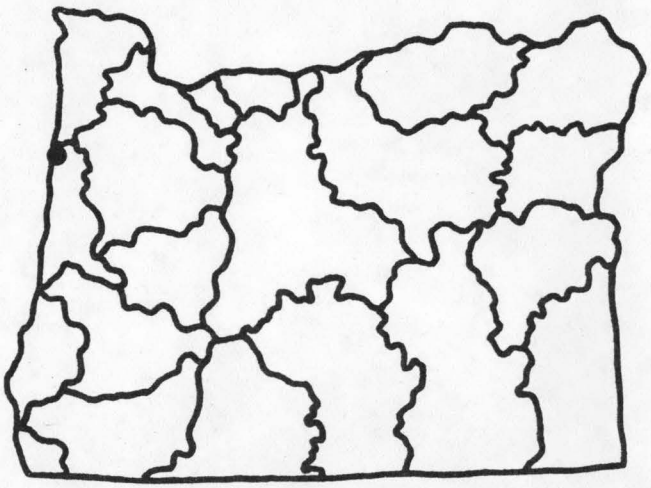
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	18.0	.15	1.33	1.000
80	33.8	.29	2.37	.941
50	152.7	1.29	8.10	.715
30	355.1	3.01	14.11	.535
10	960.4	8.14	23.10	.324

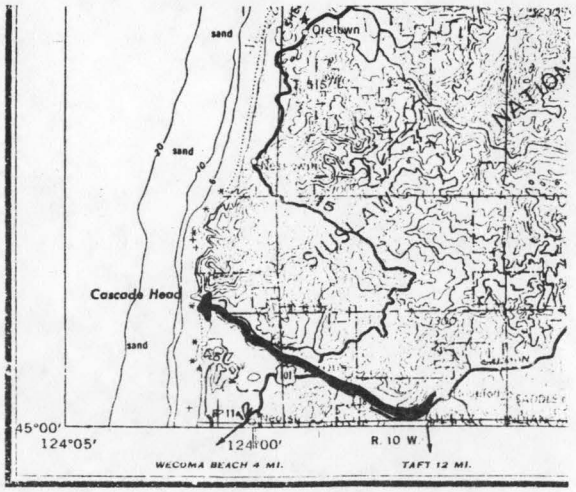
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 354 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: VANCOUVER



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-009-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.35, T6S, R10W
D.	Latitude, Longitude	45°00'N,123°52'W
E.	Stream Name	Slick Rock Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 1.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

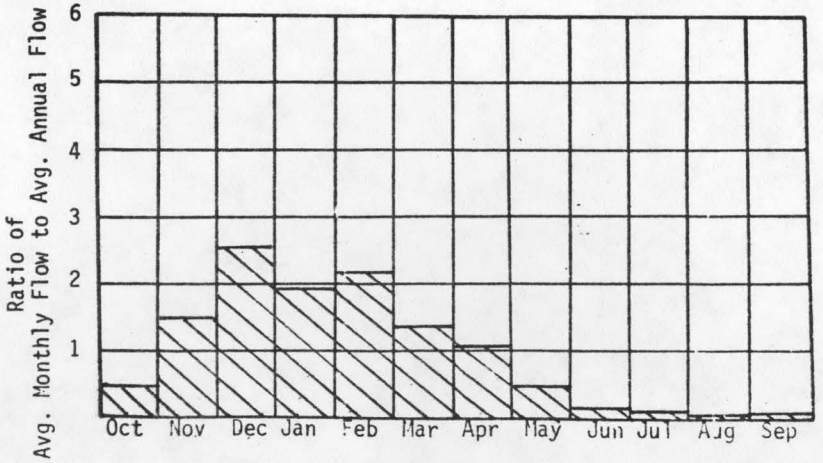
A.	Upstream Elevation of Reach	260	Ft. MSL
B.	Downstream Elevation of Reach	100	Ft. MSL
C.	Total Available Head in Reach	160	Ft.
D.	Average Slope in Reach	100	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

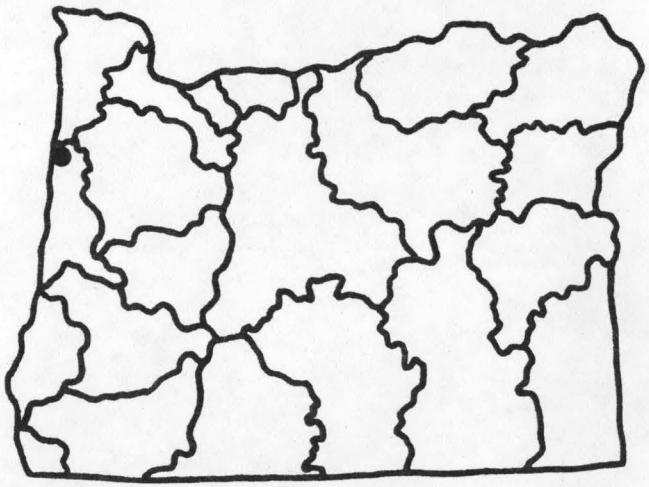
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.7	.08	.67	1.000
80	10.9	.15	1.22	.940
50	47.5	.64	4.04	.716
30	107.1	1.45	6.87	.540
10	282.9	3.84	11.05	.329

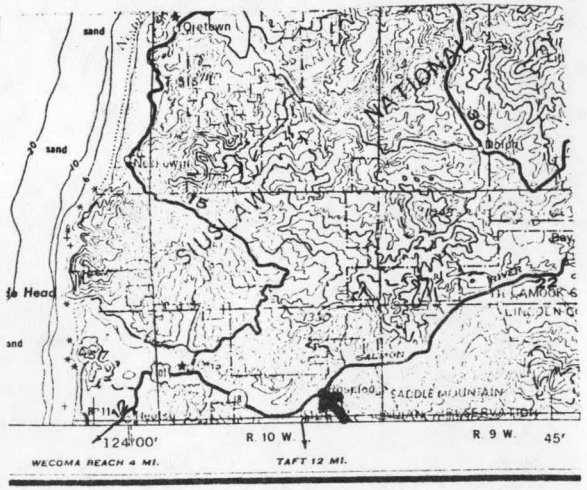
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 104 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: VANCOUVER-SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-009-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.35, T6S, R10W
D.	Latitude, Longitude	45°00'N,123°50'W
E.	Stream Name	Slick Rock Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	1.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

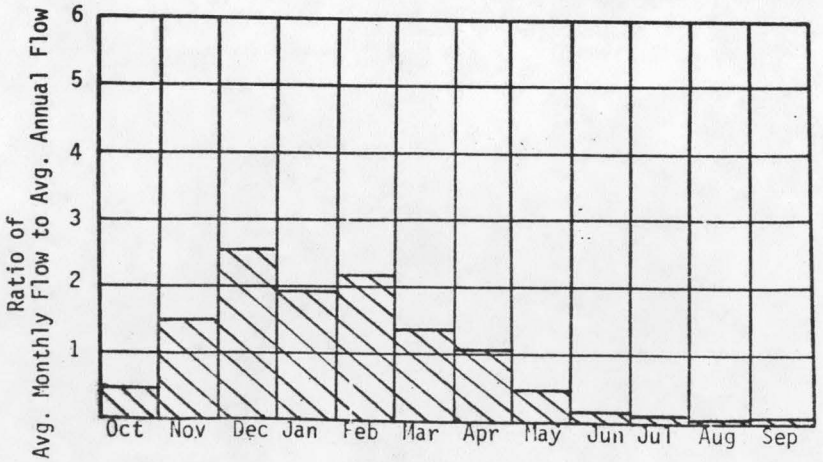
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	13	Sq.Mi.
F.	Inflow Classification	Natural	

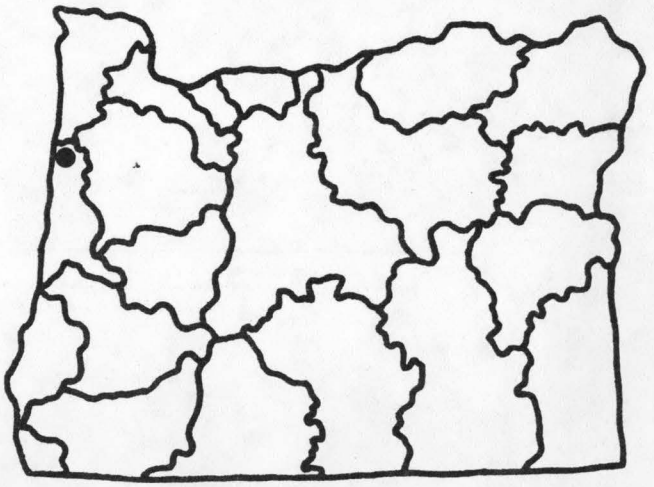
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.6	.03	.27	1.000
80	10.7	.06	.49	.940
50	46.9	.26	1.64	.716
30	105.5	.59	2.79	.540
10	278.8	1.56	4.49	.329

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 103 CFS





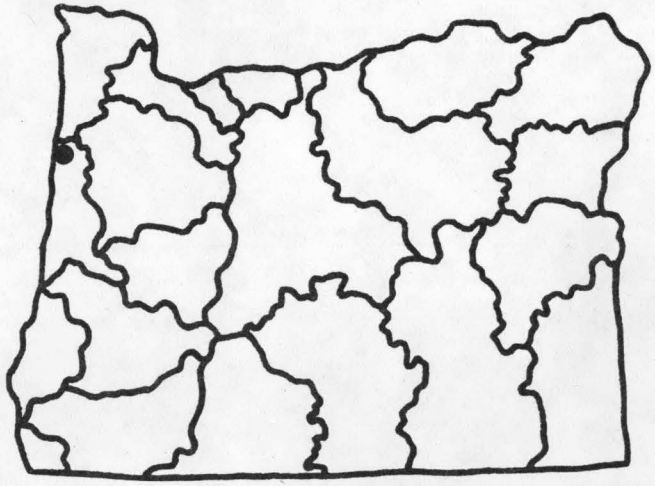
U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.29, T6S, R9W
D.	Latitude, Longitude	45°02'N,123°50'W
E.	Stream Name	Salmon River
F.	Major Basin Name	Mid-Coast
G.	River Mile	8.8 to 16.3



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	470	Ft. MSL
B.	Downstream Elevation of Reach	100	Ft. MSL
C.	Total Available Head in Reach	370	Ft.
D.	Average Slope in Reach	49.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	30	Sq.Mi.
F.	Inflow Classification	Natural	

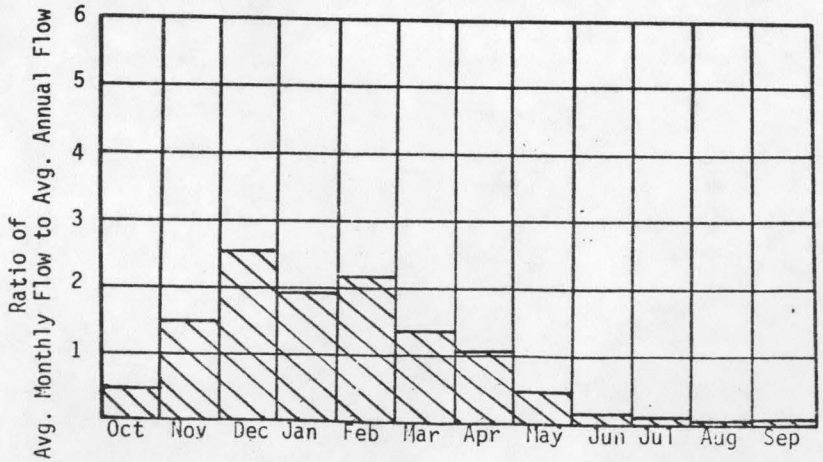
U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: VANCOUVER

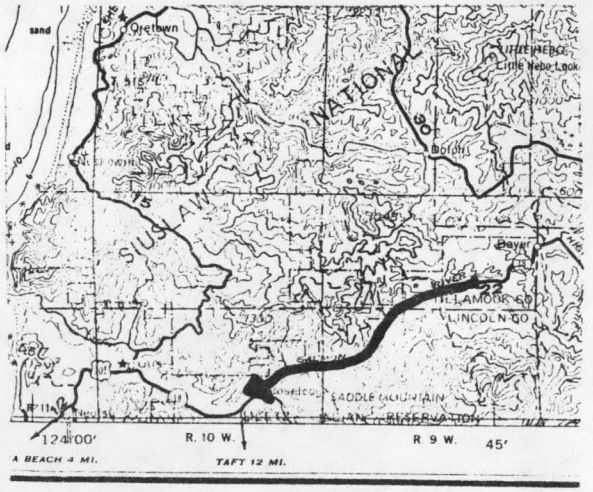
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.0	.25	2.21	1.000
80	15.4	.48	3.97	.940
50	67.7	2.12	13.31	.716
30	154.1	4.83	22.80	.539
10	410.0	12.86	36.86	.327

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 152 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.15, T6S, R9W
D.	Latitude, Longitude	45°03'N,123°47'W
E.	Stream Name	Salmon River
F.	Major Basin Name	Mid-Coast
G.	River Mile	16.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

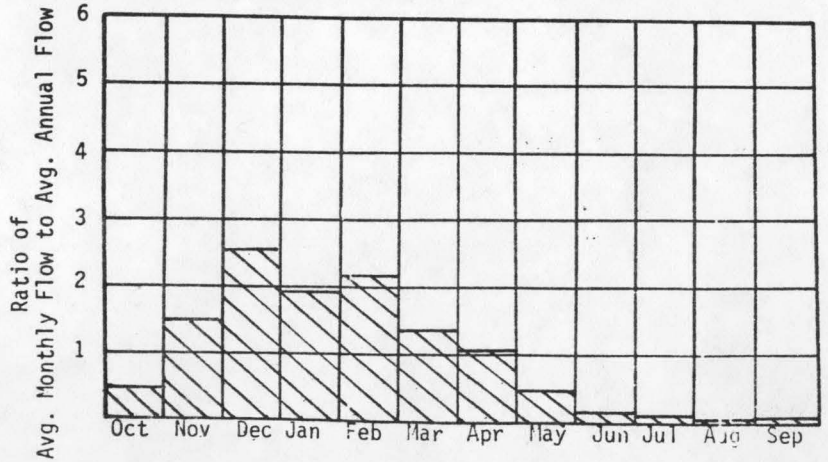
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	11	Sq.Mi.
F.	Inflow Classification	Natural	

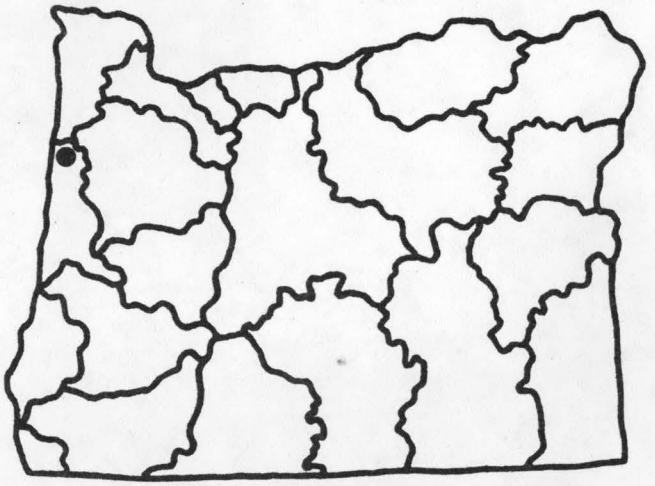
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.2	.03	.25	1.000
80	10.0	.06	.46	.940
50	43.6	.24	1.53	.717
30	98.1	.55	2.60	.541
10	258.8	1.45	4.17	.329

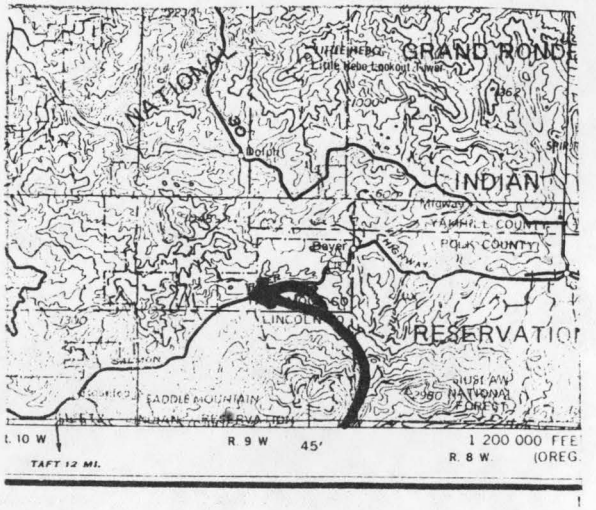
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 95 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: VANCOUVER-SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-610-000-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Lincoln	
C. Township, Range	Sec.25, T7S, R11W	
D. Latitude, Longitude	44°55'N.123°59'W	
E. Stream Name	Schooner Creek	
F. Major Basin Name	Mid-Coast	
G. River Mile	0.0 to 5.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

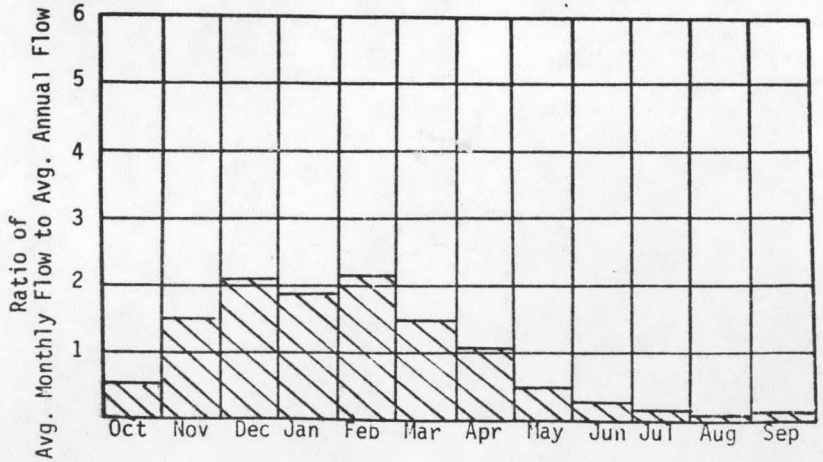
A. Upstream Elevation of Reach	100	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	100	Ft.
D. Average Slope in Reach	17.5	Ft./Mi.
E. Drainage Area above Reach Mouth	17.5	Sq.Mi.
F. Inflow Classification	Natural	

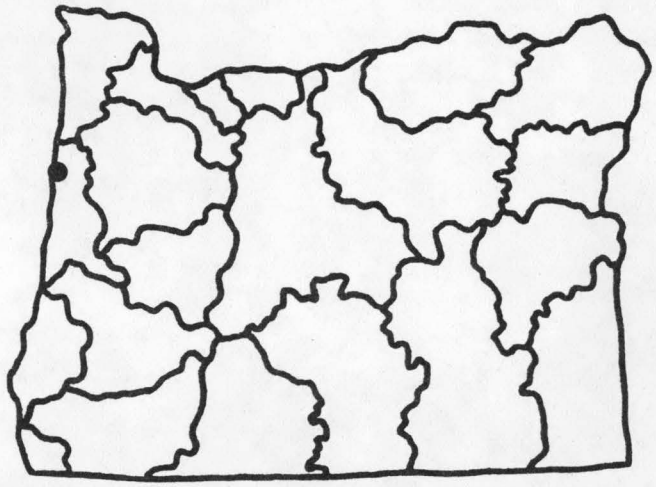
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.6	.04	.34	1.000
80	9.0	.08	.62	.940
50	38.8	.33	2.07	.717
30	87.0	.74	3.50	.541
10	229.0	1.94	5.61	.330

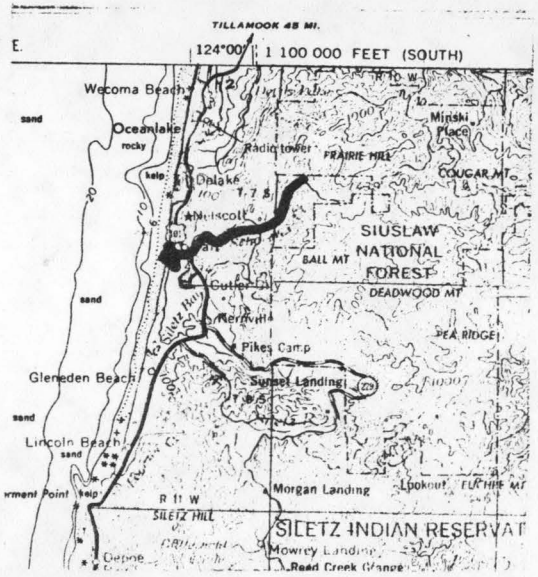
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 84 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-610-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.19, T7S, R10W
D.	Latitude, Longitude	44°56'N,123°57'W
E.	Stream Name	Schooner Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	5.7 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

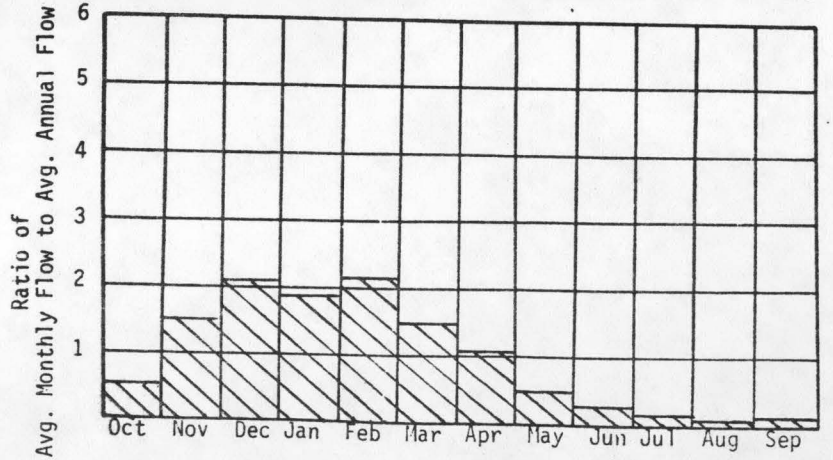
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	13.6	Sq.Mi.
F.	Inflow Classification	Natural	

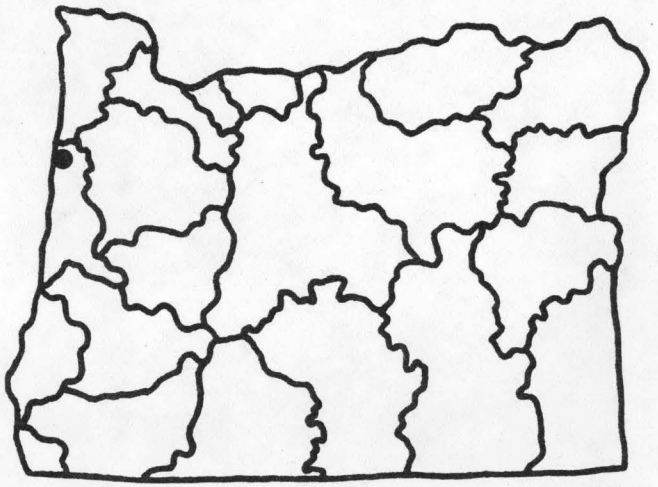
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.20	1.000
80	8.1	.05	.37	.939
50	35.0	.20	1.23	.717
30	78.1	.44	2.07	.542
10	205.2	1.15	3.32	.330

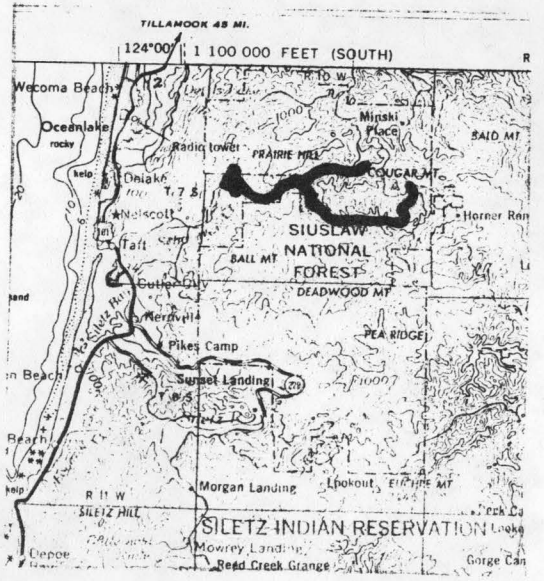
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 76 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-615-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.1, T7S, R10W
D.	Latitude, Longitude	44°54'N,123°58'W
E.	Stream Name	Drift Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 10.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

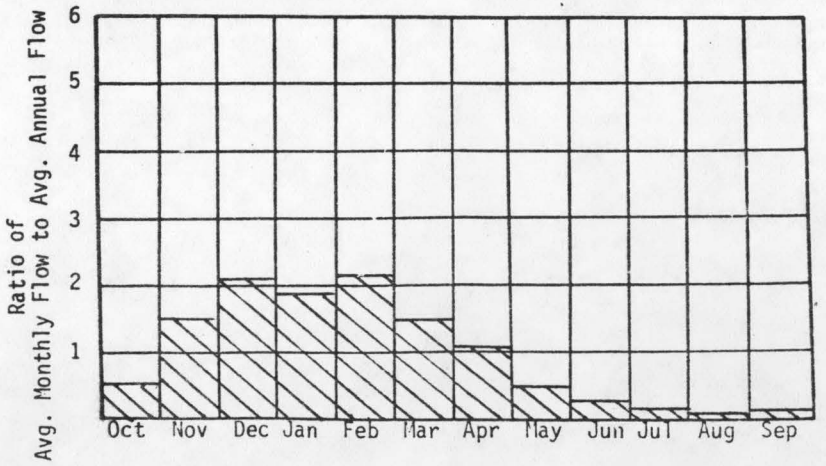
A.	Upstream Elevation of Reach	280	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	280	Ft.
D.	Average Slope in Reach	27.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	40.0	Sq.Mi.
F.	Inflow Classification	Natural	

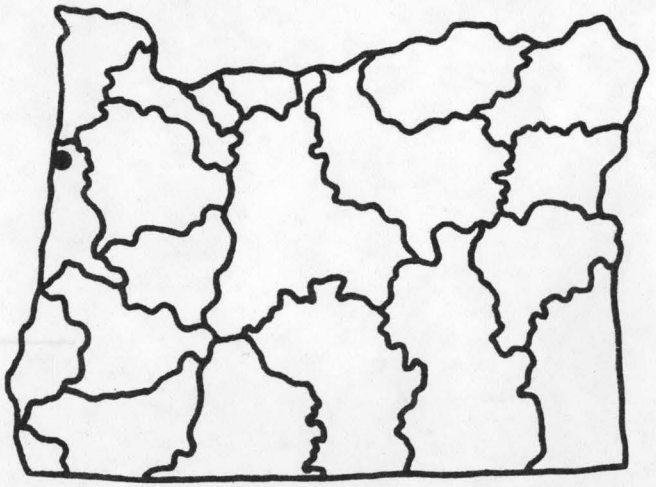
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	10.9	.26	2.27	1.000
80	20.7	.49	4.05	.941
50	92.2	2.19	13.70	.715
30	211.5	5.02	23.62	.537
10	566.1	13.43	38.37	.326

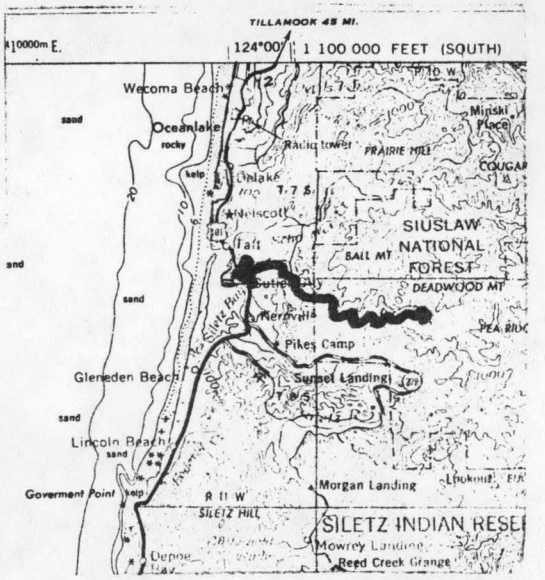
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 208 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-615-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.3, T8S, R10W
D.	Latitude, Longitude	44°53'N,123°54'W
E.	Stream Name	Drift Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	10.2 to 15.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

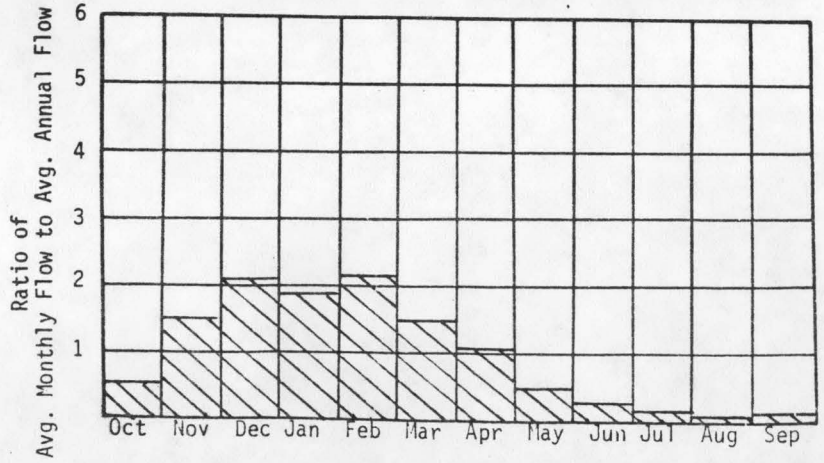
A.	Upstream Elevation of Reach	435	Ft. MSL
B.	Downstream Elevation of Reach	280	Ft. MSL
C.	Total Available Head in Reach	155	Ft.
D.	Average Slope in Reach	30.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	24.2	Sq.Mi.
F.	Inflow Classification	Natural	

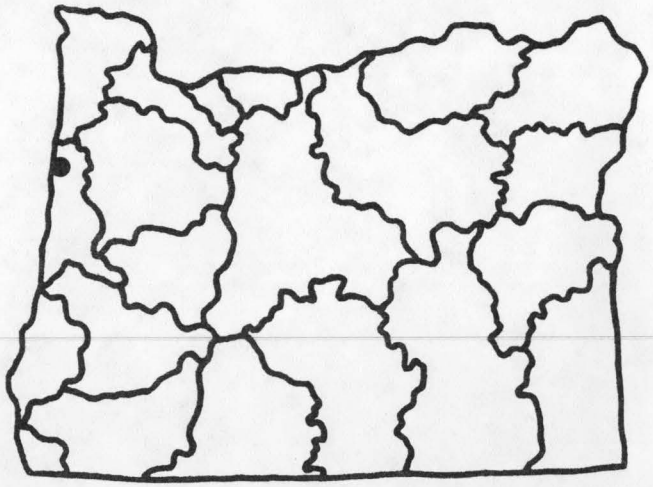
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.8	.10	.90	1.000
80	15.0	.20	1.62	.940
50	66.1	.87	5.44	.716
30	150.2	1.97	9.32	.539
10	399.6	5.25	15.05	.327

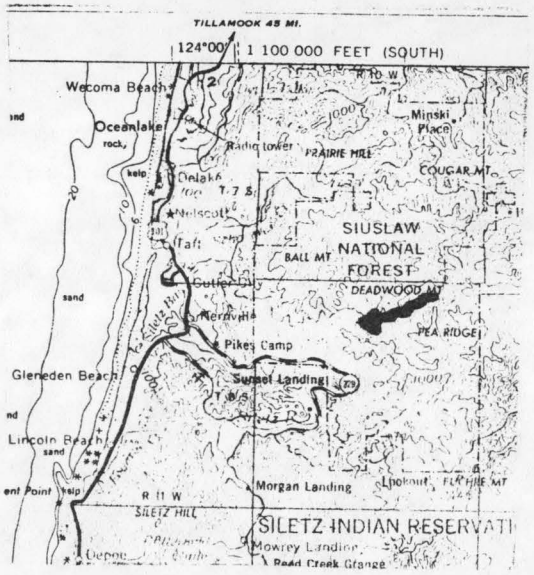
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 148 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-615-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.1, T8S, R10W
D.	Latitude, Longitude	44°55'N,123°51'W
E.	Stream Name	Drift Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	15.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

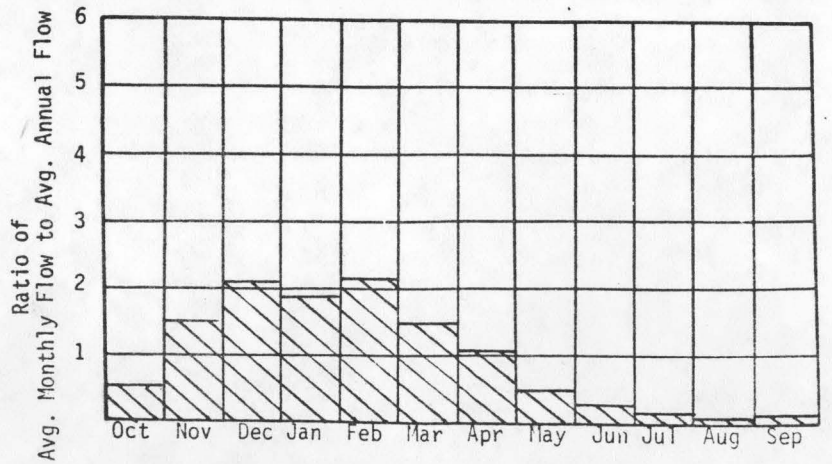
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	10.7	Sq.Mi.
F.	Inflow Classification	Natural	

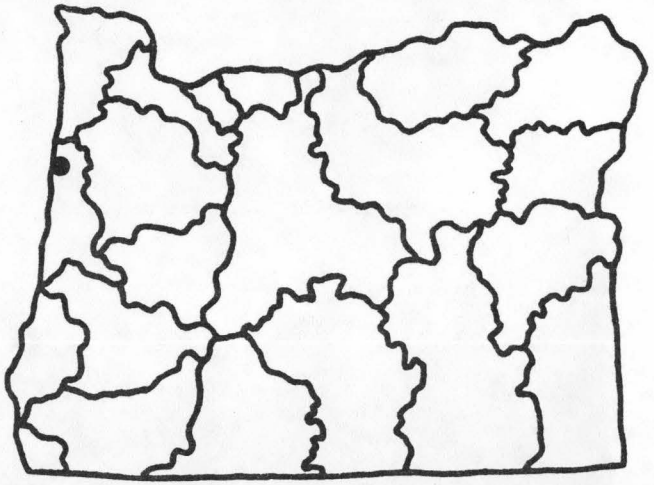
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.02	.21	1.000
80	8.3	.05	.38	.939
50	35.9	.20	1.26	.717
30	80.3	.45	2.13	.542
10	211.1	1.18	3.41	.330

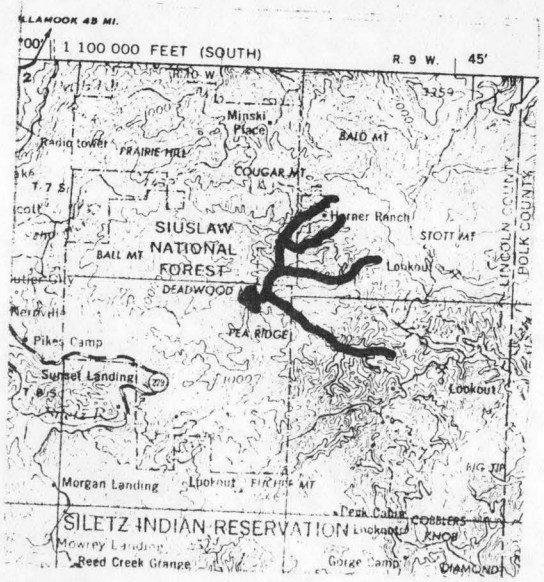
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 78 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Lincoln	
C. Township, Range	Sec.8, T8S, R10W	
D. Latitude, Longitude	44°52'N, 123°55'W	
E. Stream Name	Siletz River	
F. Major Basin Name	Mid-Coast	
G. River Mile	0.0 to 10.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

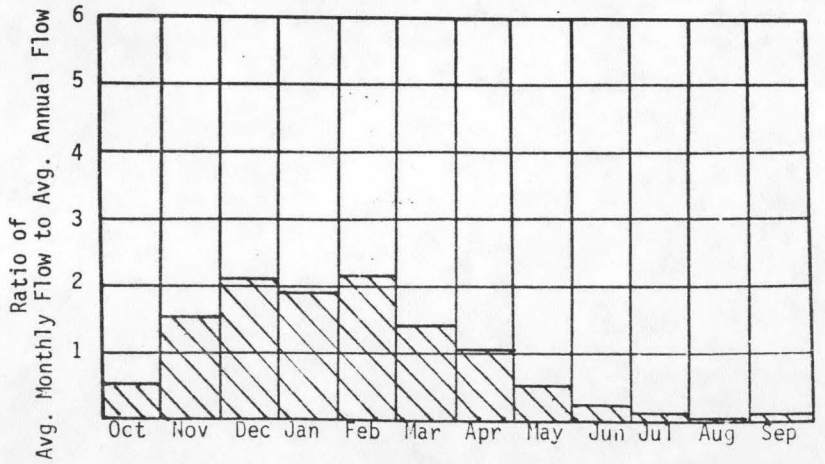
A. Upstream Elevation of Reach	38	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	38	Ft.
D. Average Slope in Reach	3.8	Ft./Mi.
E. Drainage Area above Reach Mouth	305	Sq.Mi.
F. Inflow Classification	Natural	

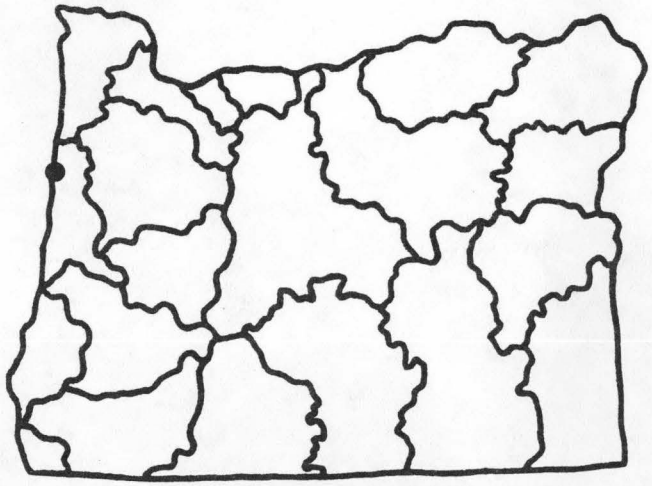
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	73.3	.24	2.07	1.000
80	134.1	.43	3.57	.943
50	630.1	2.03	12.66	.712
30	1523.3	4.91	22.74	.529
10	4236.0	13.64	38.05	.318

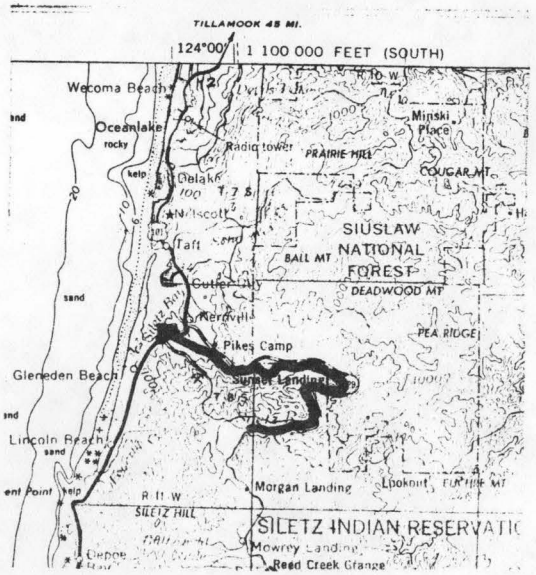
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1562 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

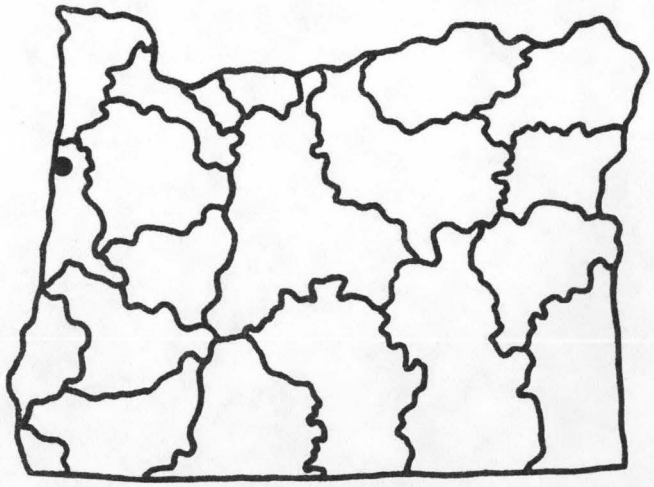


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.31, T8S, R10W
D.	Latitude, Longitude	44°50'N, 123°58'W
E.	Stream Name	Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	10.0 to 20.0



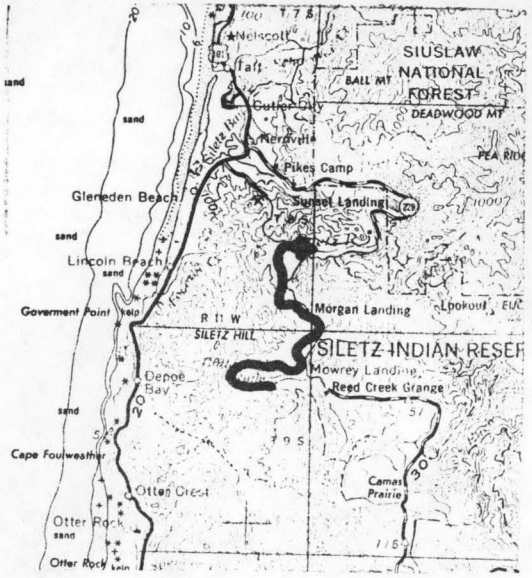
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	44	Ft. MSL
B.	Downstream Elevation of Reach	38	Ft. MSL
C.	Total Available Head in Reach	6	Ft.
D.	Average Slope in Reach	0.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	292	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

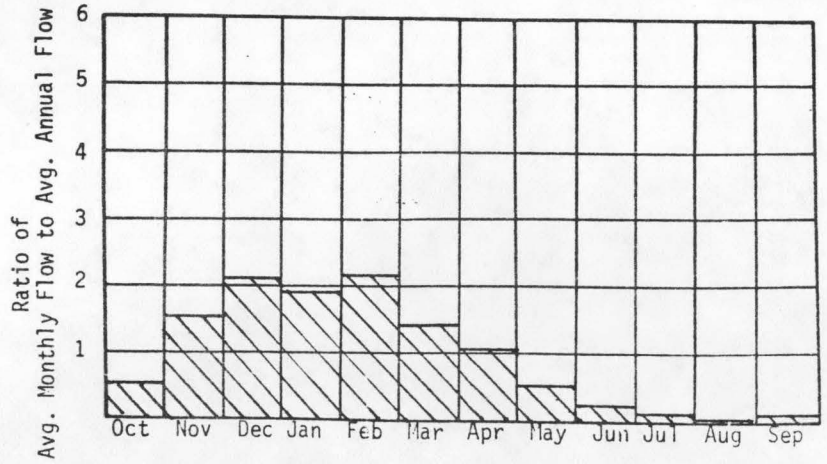
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	70.9	.04	.32	1.000
80	129.7	.07	.55	.943
50	609.0	.31	1.93	.712
30	1471.1	.75	3.47	.529
10	4088.1	2.08	5.80	.319

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1508 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Lincoln	
C. Township, Range	Sec.12, T9S, R11W	
D. Latitude, Longitude	44°47'N, 123°58'W	
E. Stream Name	Siletz River	
F. Major Basin Name	Mid-Coast	
G. River Mile	20 to 22.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

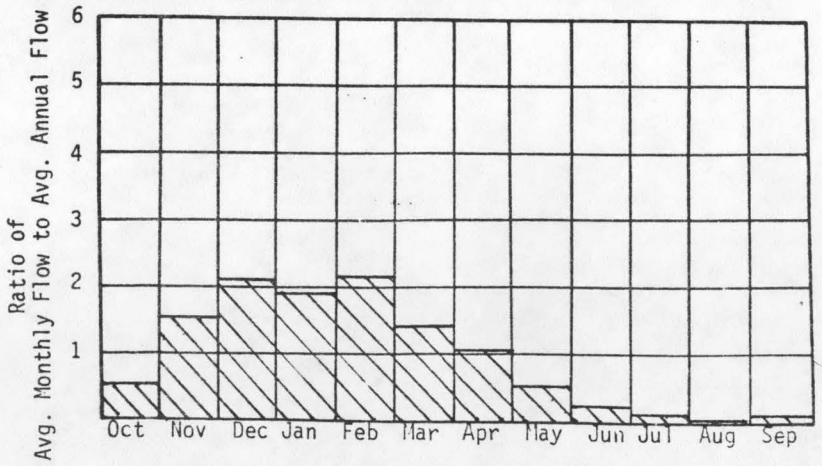
A. Upstream Elevation of Reach	46	Ft. MSL
B. Downstream Elevation of Reach	44	Ft. MSL
C. Total Available Head in Reach	2	Ft.
D. Average Slope in Reach	0.1	Ft./Mi.
E. Drainage Area above Reach Mouth	277	Sq.Mi.
F. Inflow Classification	Natural	

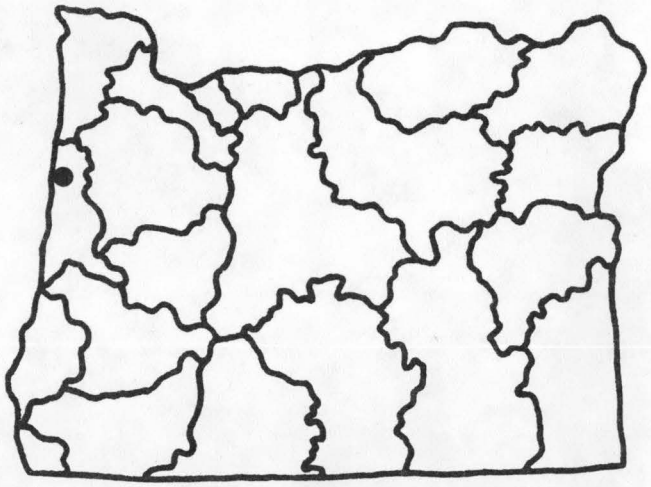
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	68.8	.01	.10	1.000
80	126.0	.02	.18	.943
50	591.1	.10	.63	.713
30	1426.8	.24	1.12	.529
10	3962.5	.67	1.87	.319

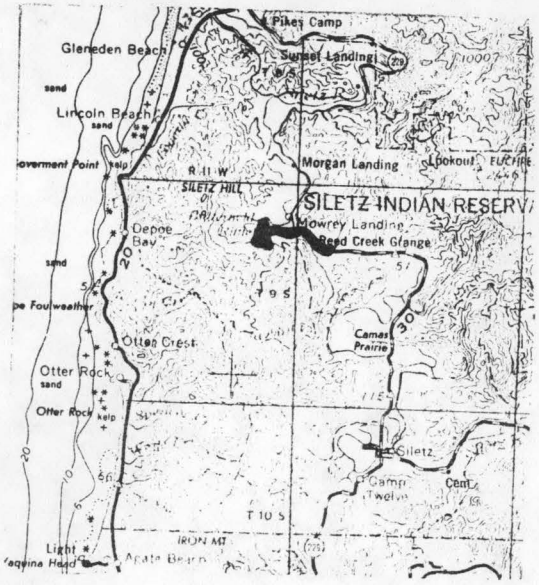
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1462 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-022-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.7, T8S, R10W
D.	Latitude, Longitude	44°50'N, 123°55'W
E.	Stream Name	Cedar Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

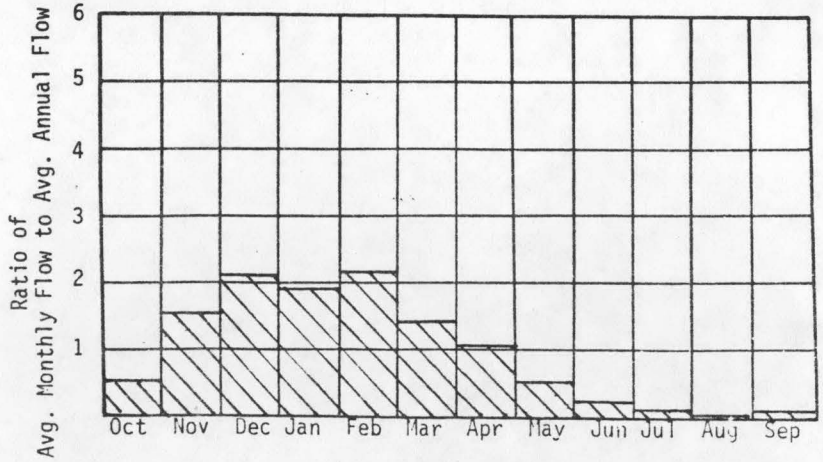
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

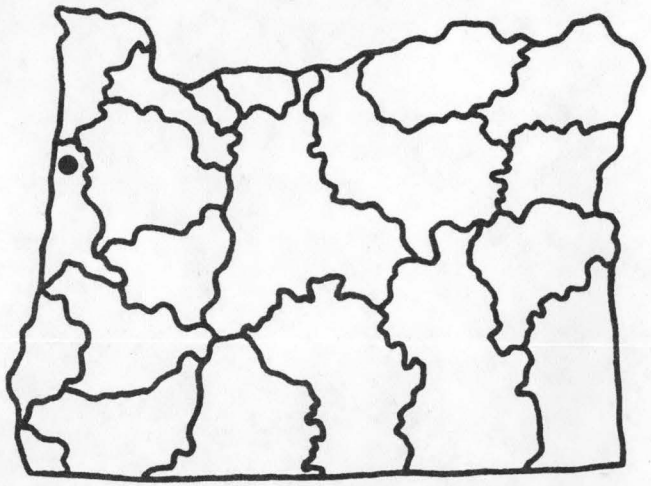
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.02	.20	1.000
80	8.0	.04	.37	.939
50	34.5	.19	1.21	.717
30	77.0	.43	2.04	.542
10	202.1	1.13	3.27	.330

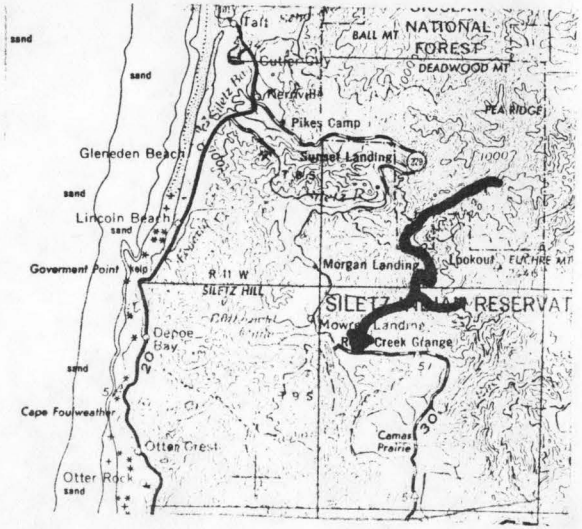
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 74 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.9, T9S, R10W
D.	Latitude, Longitude	44°48'N, 123°55'W
E.	Stream Name	Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	22.6 to 26.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

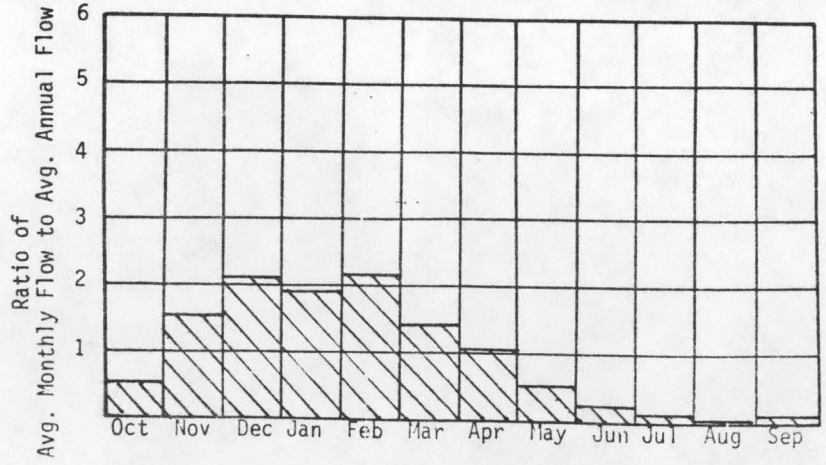
A.	Upstream Elevation of Reach	49	Ft. MSL
B.	Downstream Elevation of Reach	46	Ft. MSL
C.	Total Available Head in Reach	3	Ft.
D.	Average Slope in Reach	0.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	252	Sq.Mi.
F.	Inflow Classification	Natural	

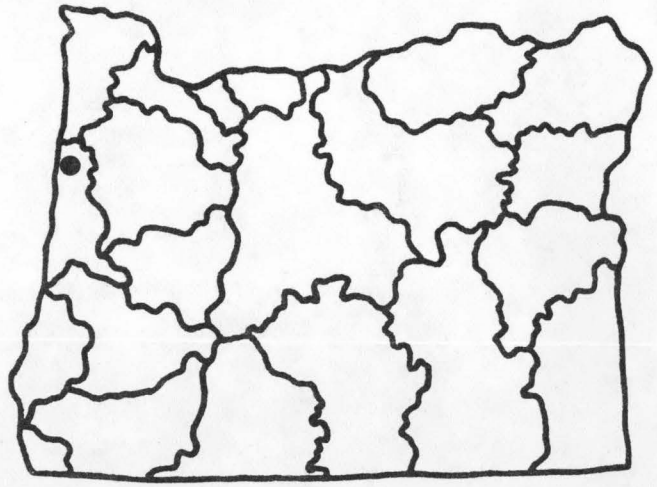
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	65.0	.02	.14	1.000
80	119.1	.03	.25	.943
50	558.0	.14	.89	.713
30	1344.6	.34	1.59	.530
10	3730.0	.95	2.65	.319

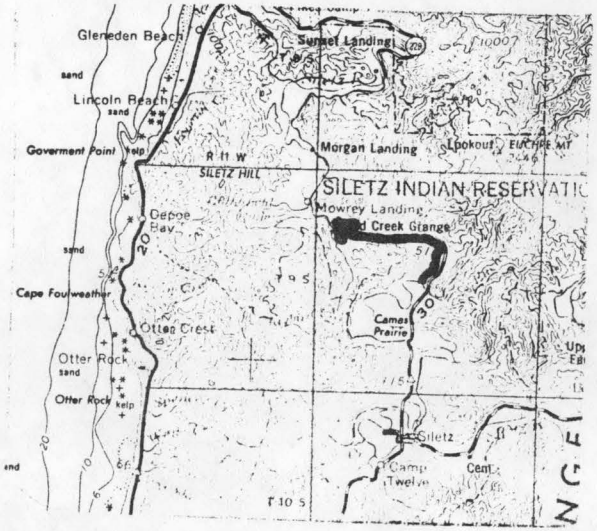
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1376 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-026-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.22, T9S, R10W
D.	Latitude, Longitude	44°47'N, 123°54'W
E.	Stream Name	Euchre Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 1.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

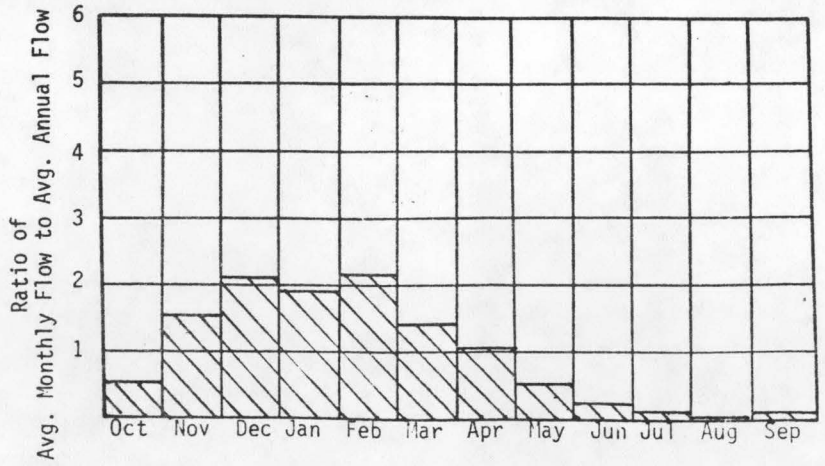
A.	Upstream Elevation of Reach	67	Ft. MSL
B.	Downstream Elevation of Reach	49	Ft. MSL
C.	Total Available Head in Reach	18	Ft.
D.	Average Slope in Reach	15	Ft./Mi.
E.	Drainage Area above Reach Mouth	2.2	Sq.Mi.
F.	Inflow Classification	Natural	

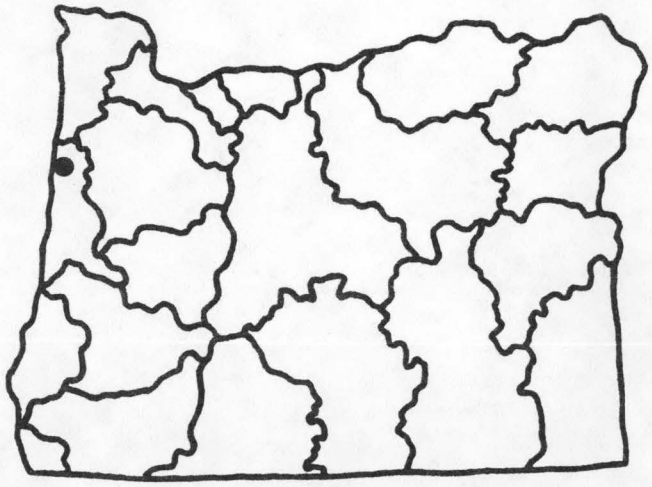
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.4	.01	.06	1.000
80	8.5	.01	.11	.940
50	37.0	.06	.35	.717
30	82.8	.13	.60	.542
10	217.6	.33	.96	.330

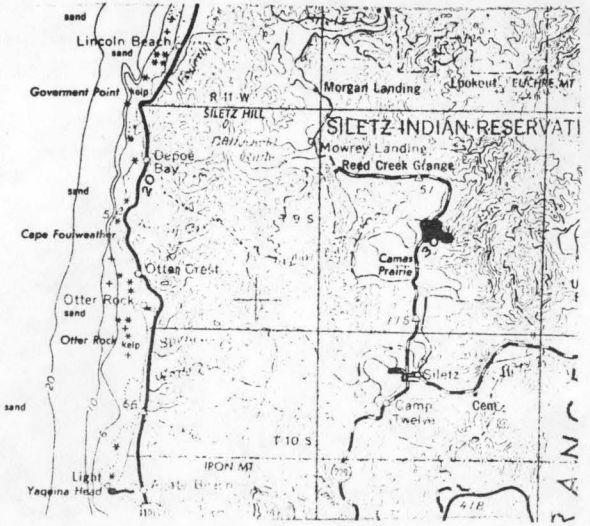
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 80 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-026-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.22, T9S, R10W
D.	Latitude, Longitude	44°49'N, 123°52'W
E.	Stream Name	Euchre Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	1.2 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

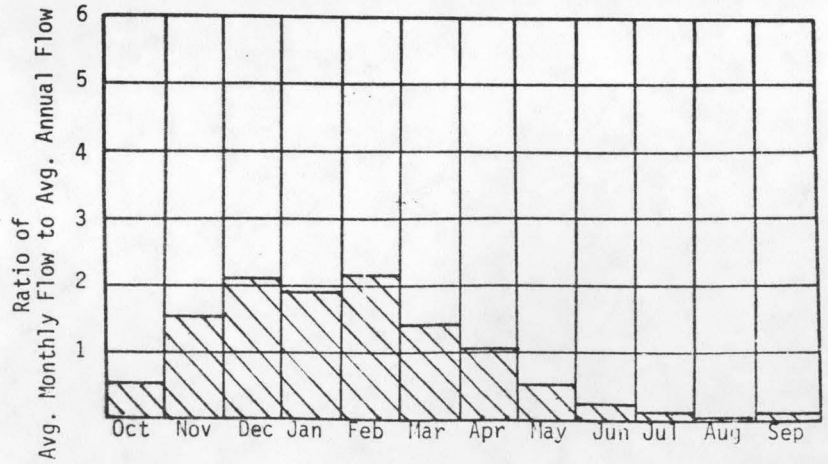
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	20.	Sq.Mi.
F.	Inflow Classification	Natural	

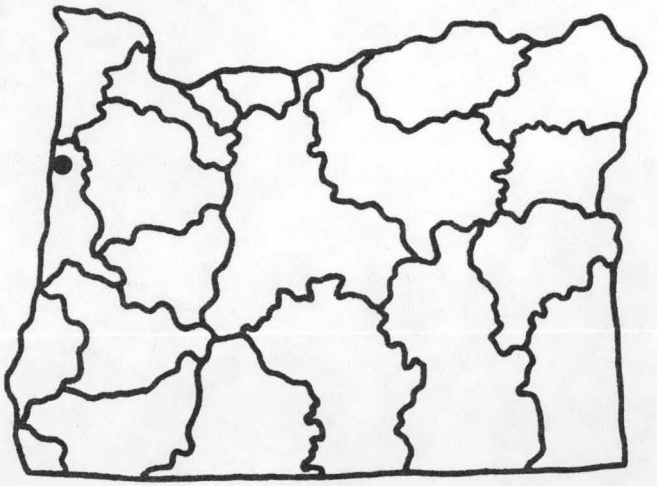
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.21	1.000
80	8.2	.05	.38	.939
50	35.6	.20	1.25	.717
30	79.5	.44	2.11	.542
10	209.0	1.17	3.38	.330

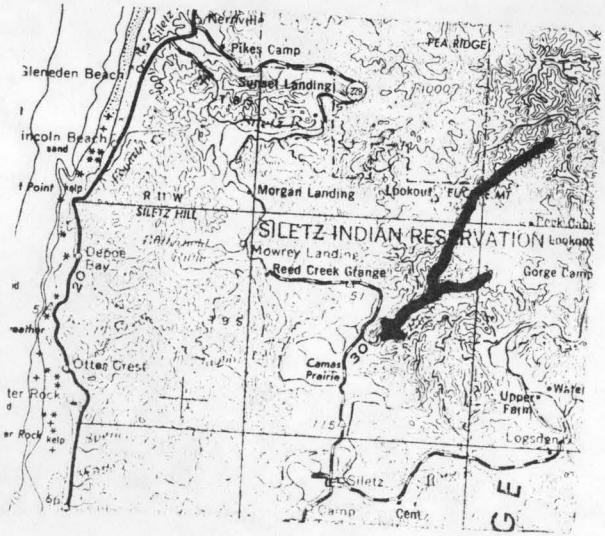
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.28, T9S, R10W
D.	Latitude, Longitude	44°45'N, 123°54'W
E.	Stream Name	Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	26.3 to 35.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

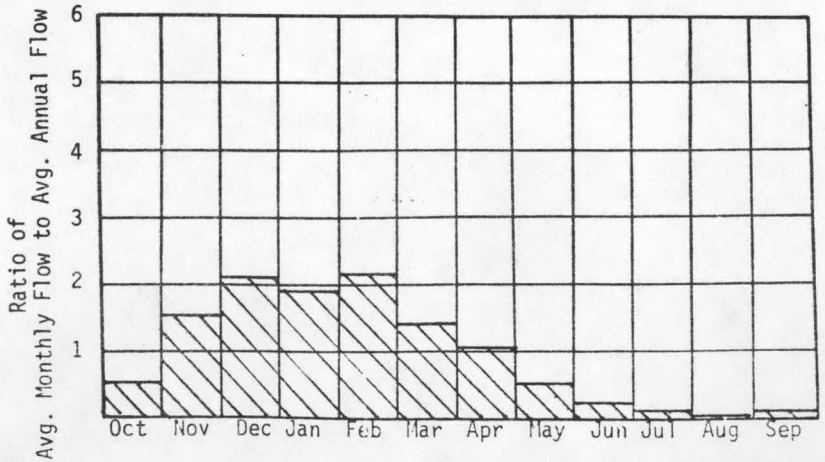
A.	Upstream Elevation of Reach	95	Ft. MSL
B.	Downstream Elevation of Reach	49	Ft. MSL
C.	Total Available Head in Reach	46	Ft.
D.	Average Slope in Reach	5.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	225	Sq.Mi.
F.	Inflow Classification	Natural	

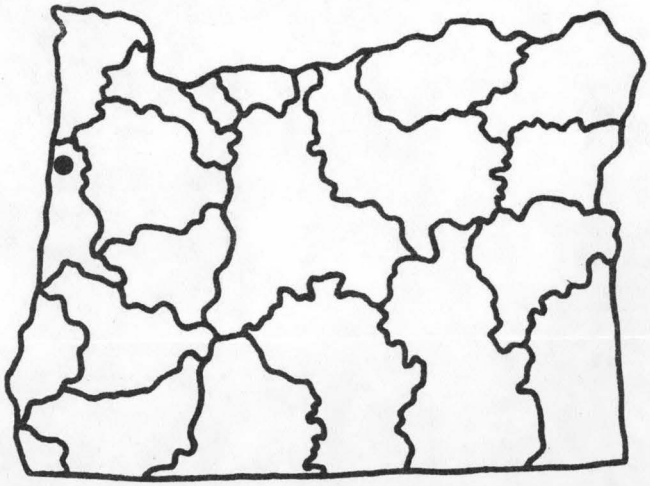
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	60.7	.24	2.07	1.000
80	111.5	.43	3.59	.943
50	521.1	2.03	12.68	.713
30	1253.4	4.89	22.69	.530
10	3472.4	13.54	37.84	.319

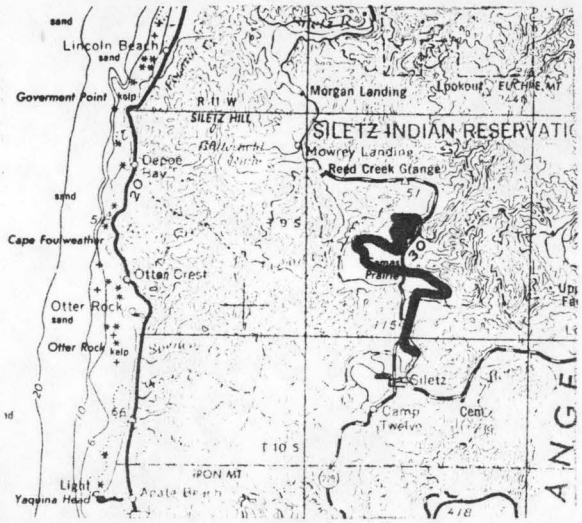
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1280 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.8, T10S, R10W
D.	Latitude, Longitude	44°43'N, 124°53'W
E.	Stream Name	Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	35 to 45.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

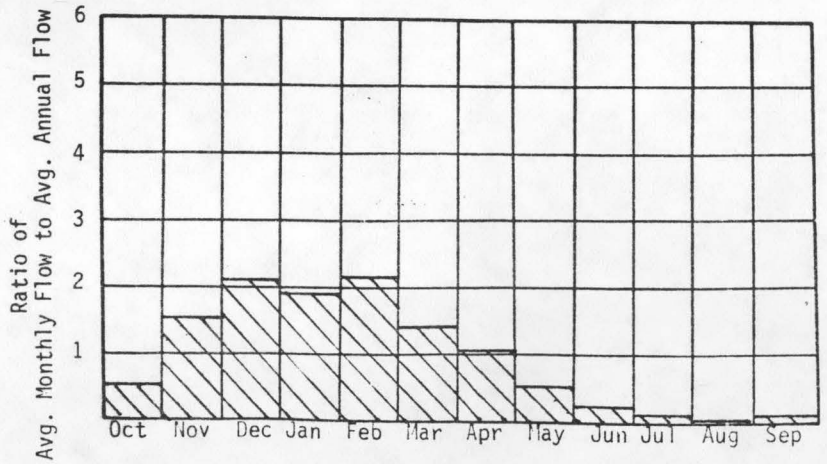
A.	Upstream Elevation of Reach	145	Ft. MSL
B.	Downstream Elevation of Reach	95	Ft. MSL
C.	Total Available Head in Reach	50	Ft.
D.	Average Slope in Reach	4.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	213	Sq.Mi.
F.	Inflow Classification	Natural	

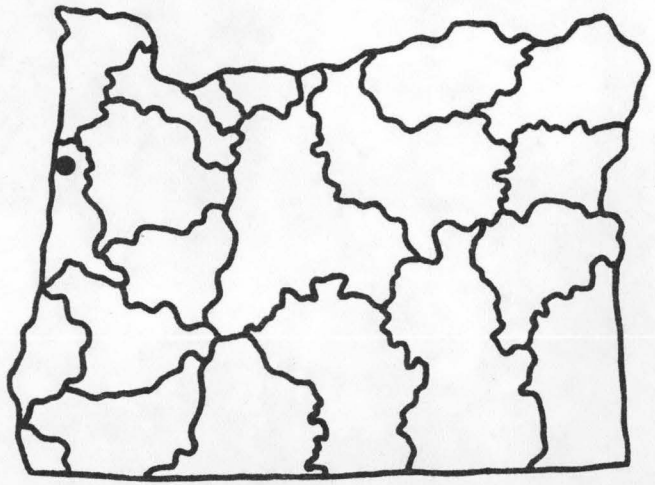
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	58.1	.25	2.16	1.000
80	106.8	.45	3.74	.943
50	498.5	2.11	13.19	.713
30	1197.5	5.07	23.57	.530
10	3314.5	14.04	39.28	.319

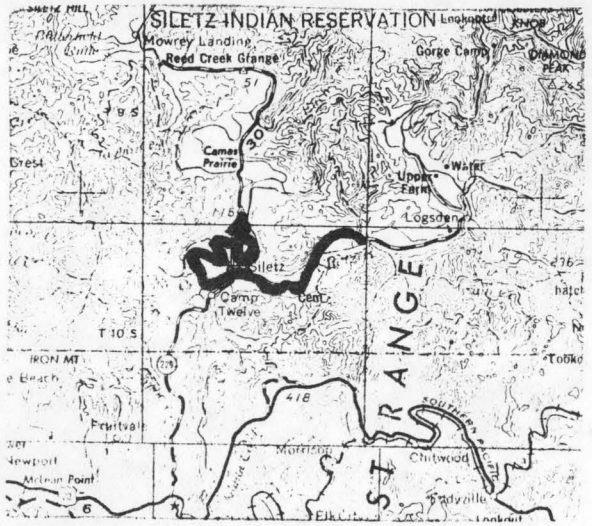
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1222 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0007

I. LOCATION

A. State	Oregon	
B. County	Lincoln	
C. Township, Range	Sec.5, T9S, R9W	
D. Latitude, Longitude	44°44'N, 123°49'W	
E. Stream Name	Siletz River	
F. Major Basin Name	Mid-Coast	
G. River Mile	45.1 to 48.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

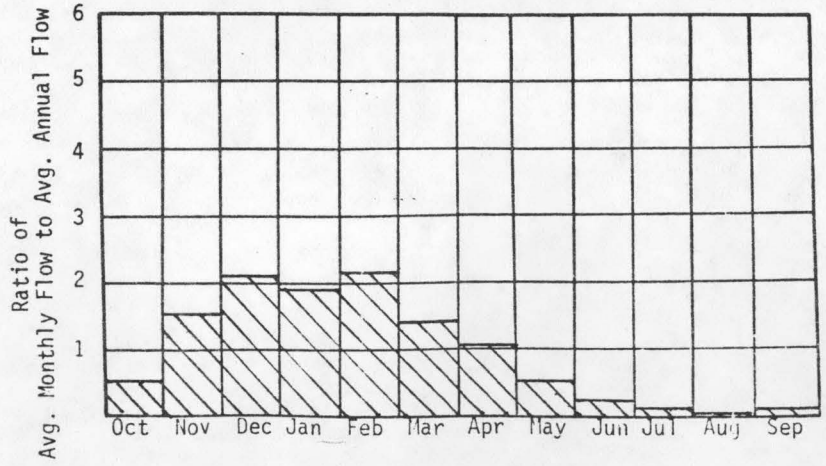
A. Upstream Elevation of Reach	190	Ft. MSL
B. Downstream Elevation of Reach	145	Ft. MSL
C. Total Available Head in Reach	45	Ft.
D. Average Slope in Reach	14.5	Ft./Mi.
E. Drainage Area above Reach Mouth	176	Sq.Mi.
F. Inflow Classification	Natural	

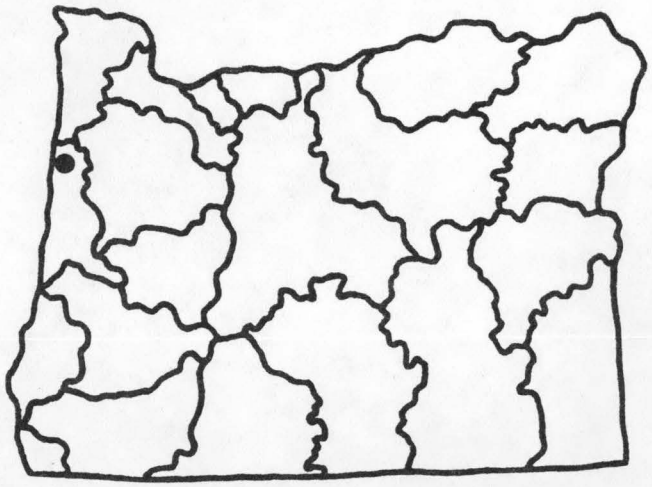
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	53.8	.21	1.80	1.000
80	99.0	.38	3.12	.943
50	461.0	1.76	10.98	.713
30	1105.1	4.21	19.59	.531
10	3054.3	11.65	32.61	.320

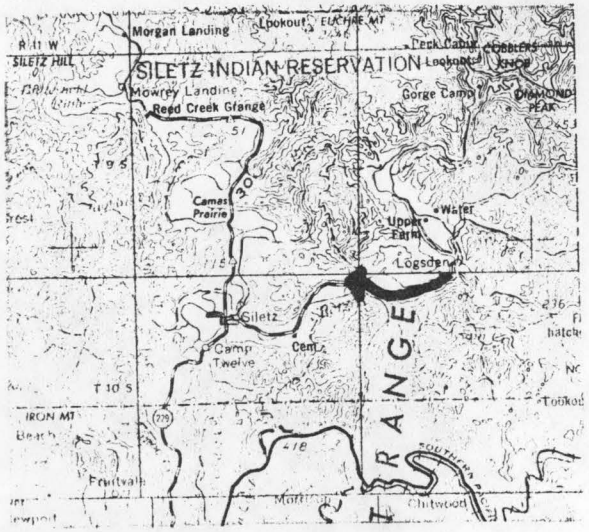
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1126 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.2, T10S, R9W
D.	Latitude, Longitude	44°44'N, 123°46'W
E.	Stream Name	Rock Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 5.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

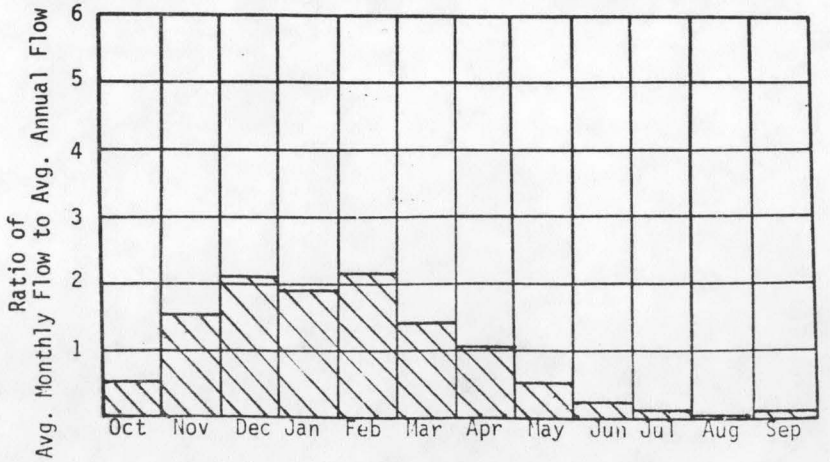
A.	Upstream Elevation of Reach	235	Ft. MSL
B.	Downstream Elevation of Reach	190	Ft. MSL
C.	Total Available Head in Reach	45	Ft.
D.	Average Slope in Reach	8	Ft./Mi.
E.	Drainage Area above Reach Mouth	40	Sq.Mi.
F.	Inflow Classification	Natural	

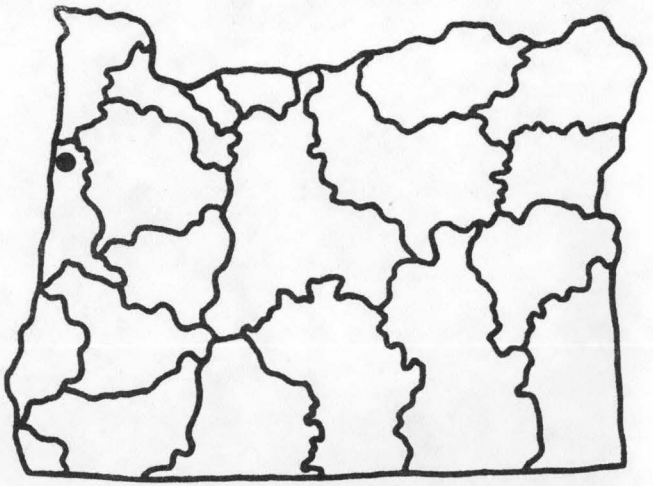
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.2	.04	.37	1.000
80	21.2	.08	.67	.941
50	94.5	.36	2.26	.715
30	216.9	.83	3.89	.537
10	581.1	2.22	6.33	.326

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 214 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-004-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Polk
C.	Township, Range	Sec.31, T9S, R8W
D.	Latitude, Longitude	44°44'N, 123°42'W
E.	Stream Name	Big Rock Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 2.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

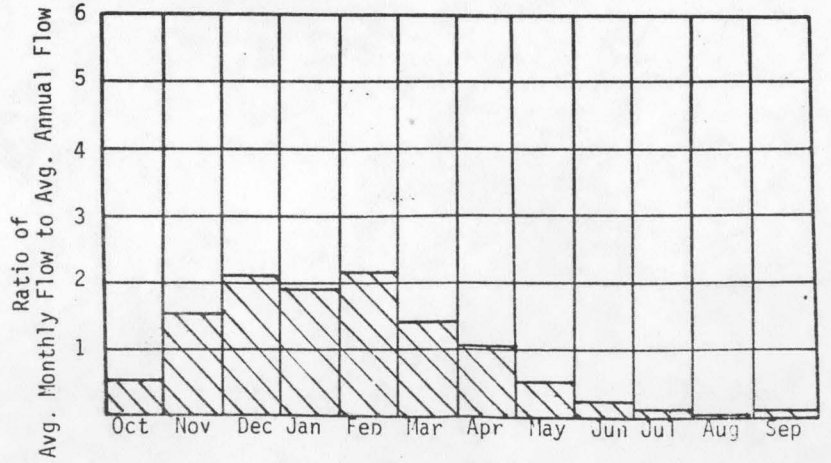
A.	Upstream Elevation of Reach	285	Ft. MSL
B.	Downstream Elevation of Reach	235	Ft. MSL
C.	Total Available Head in Reach	50	Ft.
D.	Average Slope in Reach	25	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

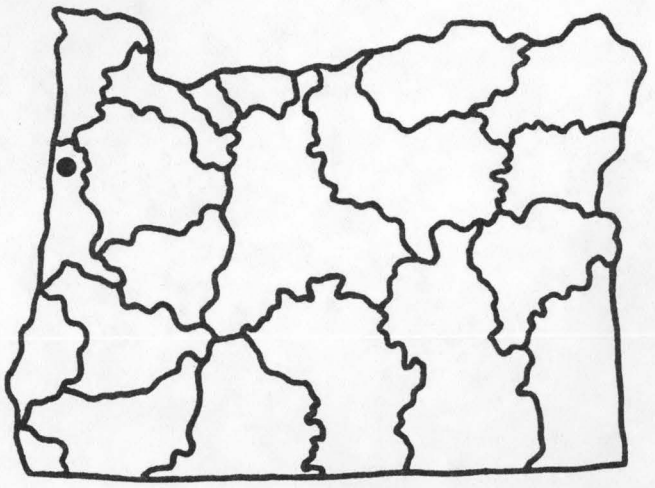
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.2	.02	.19	1.000
80	10.0	.04	.35	.940
50	43.4	.18	1.15	.717
30	97.4	.41	1.96	.541
10	257.1	1.09	3.14	.329

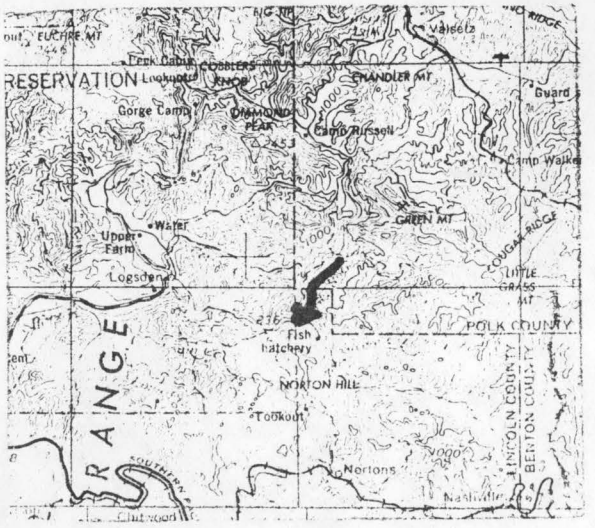
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 144 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-004-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Polk
C.	Township, Range	Sec.31, T9S, R8W
D.	Latitude, Longitude	44°46'N, 123°40'W
E.	Stream Name	Big Rock Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	2.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

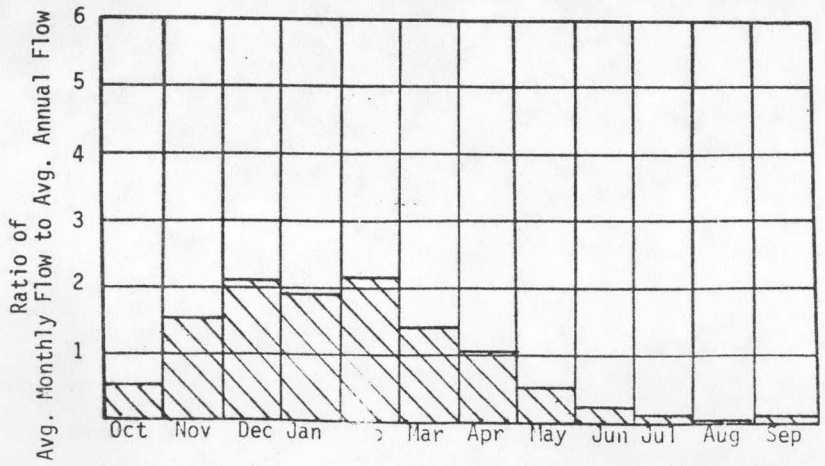
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

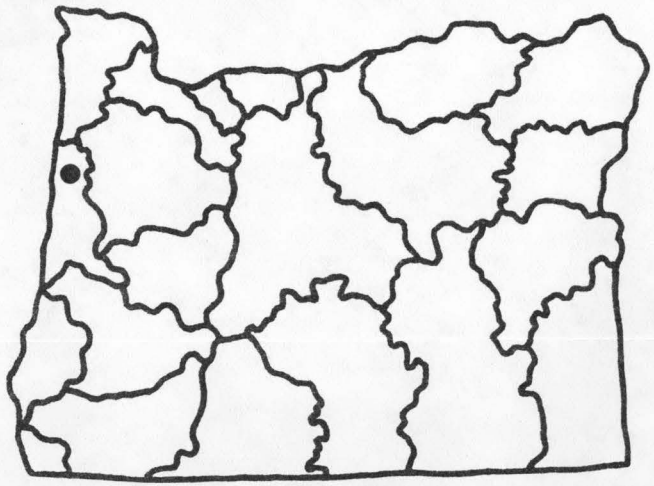
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.8	.03	.24	1.000
80	9.3	.05	.43	.940
50	40.5	.23	1.42	.717
30	90.8	.51	2.41	.541
10	239.2	1.34	3.86	.330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 88 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-005-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Lincoln	
C. Township, Range	Sec.7, T10S, R8W	
D. Latitude, Longitude	44°43'N, 123°43'W	
E. Stream Name	Little Rock Creek	
F. Major Basin Name	Mid-Coast	
G. River Mile	0.0 to 1.9	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

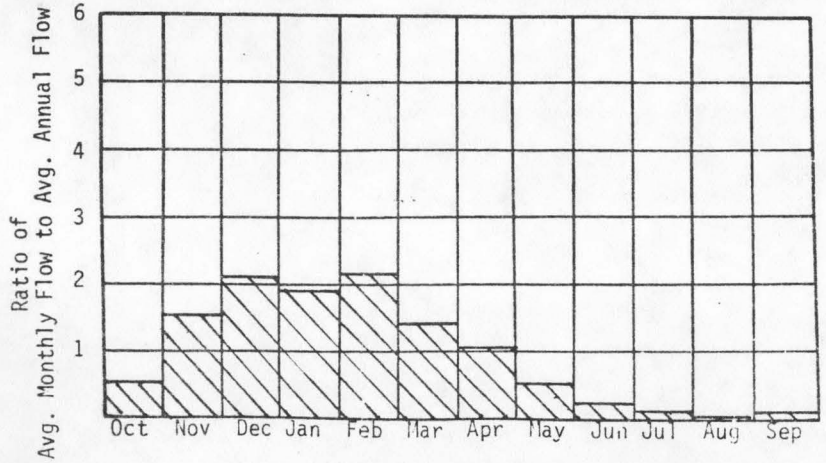
A. Upstream Elevation of Reach	335	Ft. MSL
B. Downstream Elevation of Reach	235	Ft. MSL
C. Total Available Head in Reach	100	Ft.
D. Average Slope in Reach	52.6	Ft./Mi.
E. Drainage Area above Reach Mouth	20	Sq.Mi.
F. Inflow Classification	Natural	

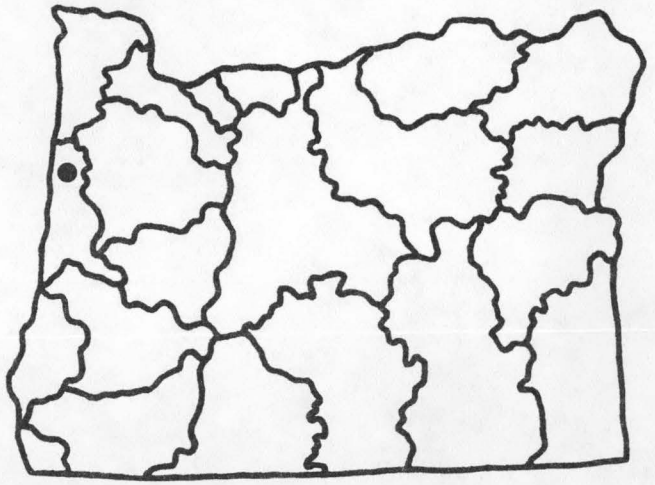
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.7	.05	.42	1.000
80	10.9	.09	.76	.940
50	47.7	.40	2.54	.716
30	107.6	.91	4.32	.540
10	284.4	2.41	6.94	.329

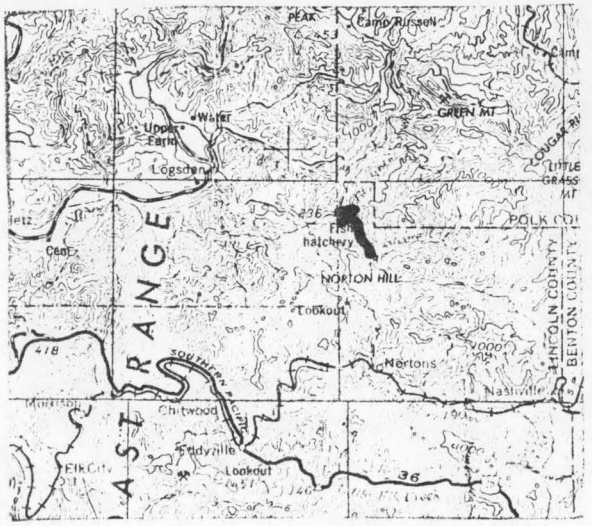
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 105 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-005-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln-Polk
C.	Township, Range	Sec.8, T10S, R8W
D.	Latitude, Longitude	44°43'N, 123°40'W
E.	Stream Name	Little Rock Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	1.9 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

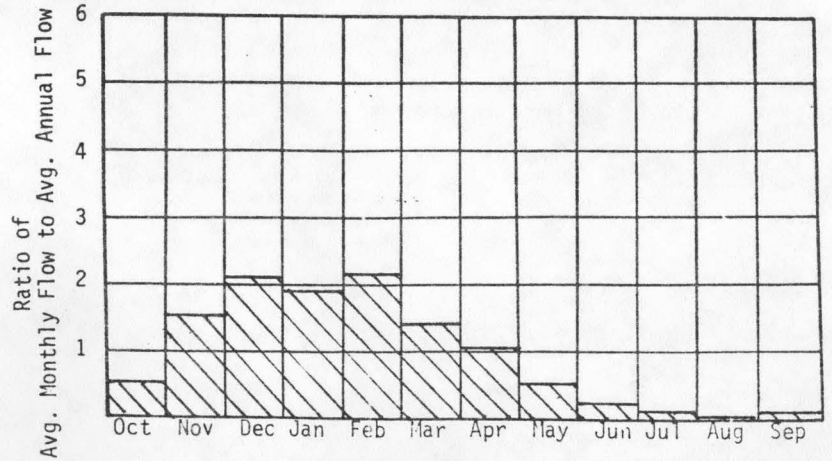
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	18	Sq.Mi.
F.	Inflow Classification	Natural	

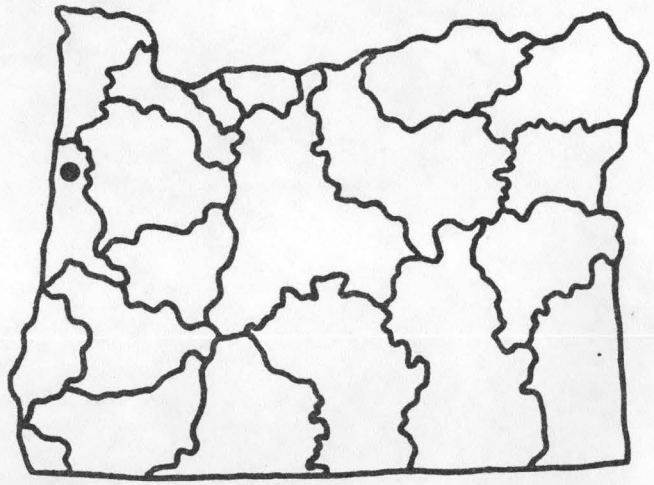
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.5	.03	.27	1.000
80	10.6	.06	.49	.940
50	46.1	.26	1.62	.717
30	103.8	.58	2.75	.541
10	274.2	1.53	4.42	.329

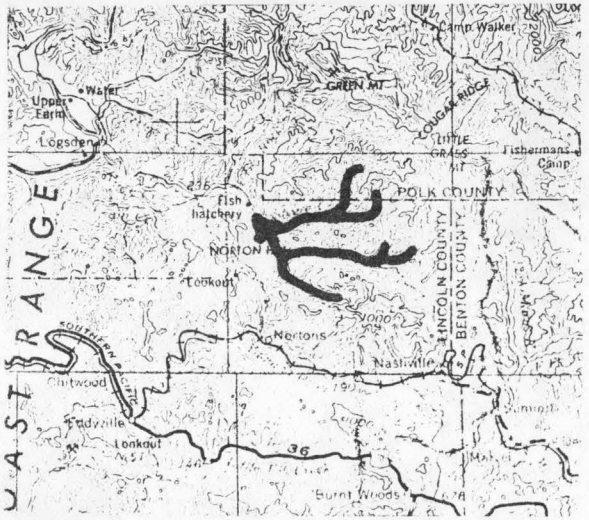
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 101 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.33, T9S, R9W
D.	Latitude, Longitude	44°43'N, 123°48'W
E.	Stream Name	Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	48.2 to 48.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

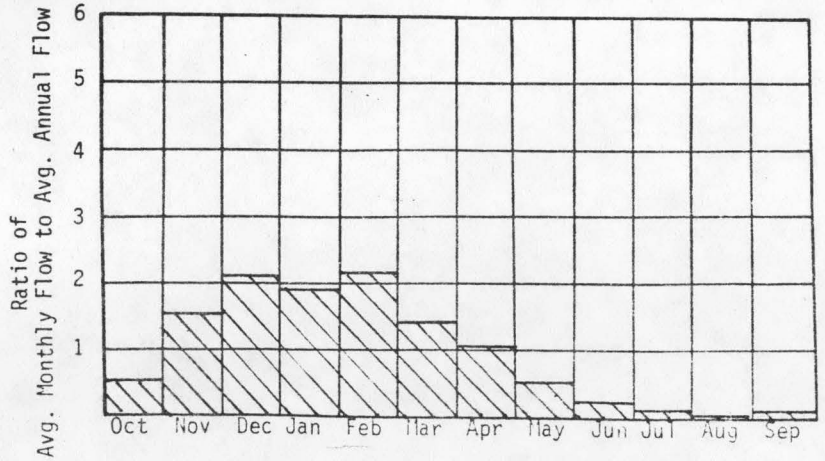
A.	Upstream Elevation of Reach	197	Ft. MSL
B.	Downstream Elevation of Reach	190	Ft. MSL
C.	Total Available Head in Reach	7	Ft.
D.	Average Slope in Reach	10	Ft./Mi.
E.	Drainage Area above Reach Mouth	133	Sq.Mi.
F.	Inflow Classification	Natural	

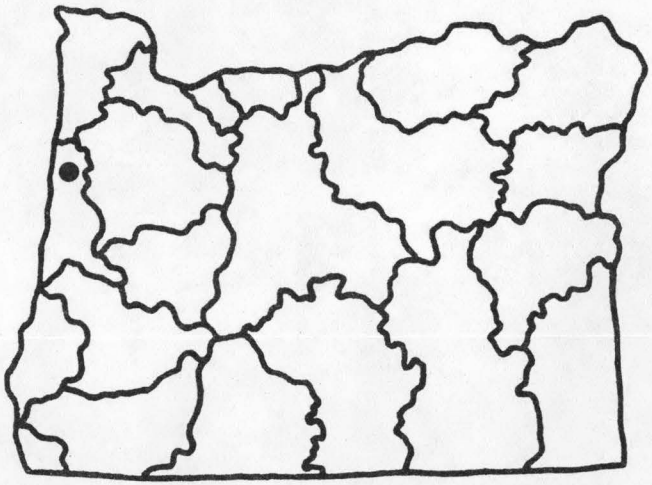
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	44.6	.03	.23	1.000
80	82.4	.05	.40	.943
50	381.7	.23	1.41	.713
30	910.4	.54	2.51	.531
10	2506.6	1.49	4.17	.320

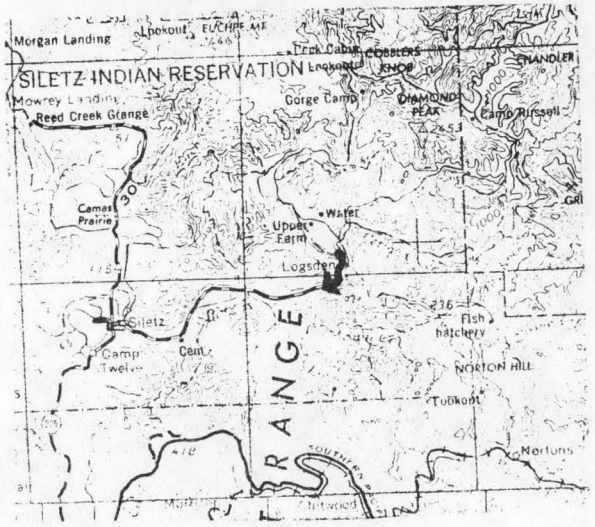
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 924 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

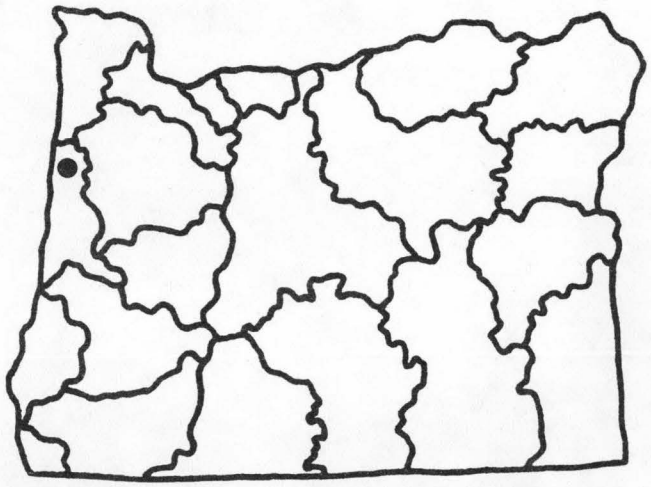


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0009

I. LOCATION

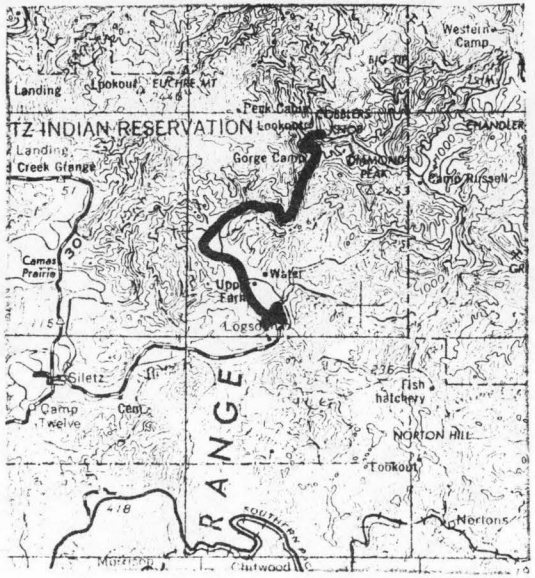
A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.17, T9S, R9W
D.	Latitude, Longitude	44°48'N,123°49'W
E.	Stream Name	Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	48.9 to 59.2



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	487	Ft. MSL
B.	Downstream Elevation of Reach	197	Ft. MSL
C.	Total Available Head in Reach	290	Ft.
D.	Average Slope in Reach	28.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	119	Sq.Mi.
F.	Inflow Classification	Natural	

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

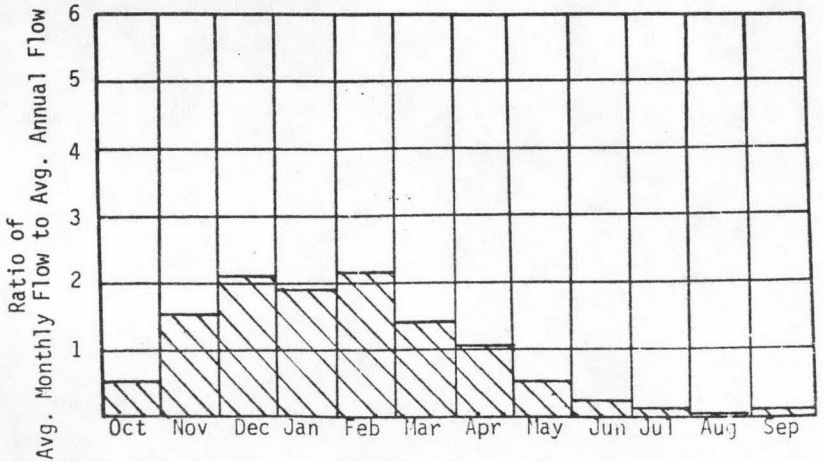


III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	40.2	.99	8.66	1.000
80	74.5	1.83	15.12	.943
50	344.1	8.46	52.84	.713
30	818.3	20.11	93.68	.532
10	2248.7	55.26	155.27	.321

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 829 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0010

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.26, T8S, R9W
D.	Latitude, Longitude	44°51'N,123°45'W
E.	Stream Name	Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	59.2 to 67.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

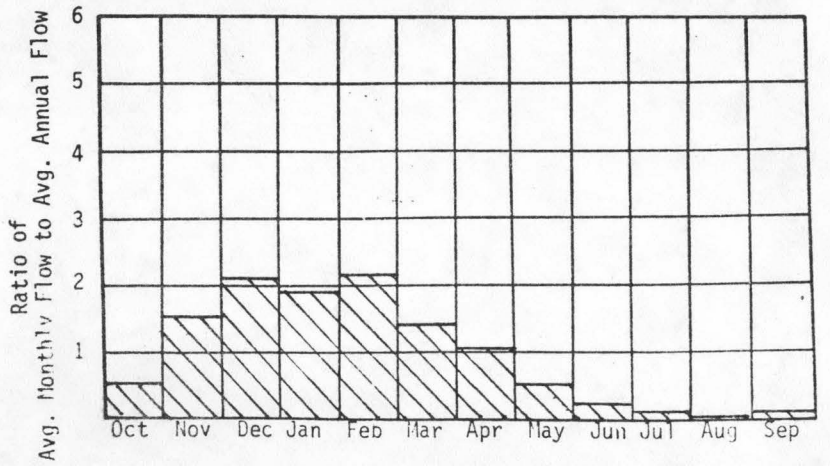
A.	Upstream Elevation of Reach	680	Ft. MSL
B.	Downstream Elevation of Reach	487	Ft. MSL
C.	Total Available Head in Reach	193	Ft.
D.	Average Slope in Reach	23	Ft./Mi.
E.	Drainage Area above Reach Mouth	90	Sq.Mi.
F.	Inflow Classification	Natural	

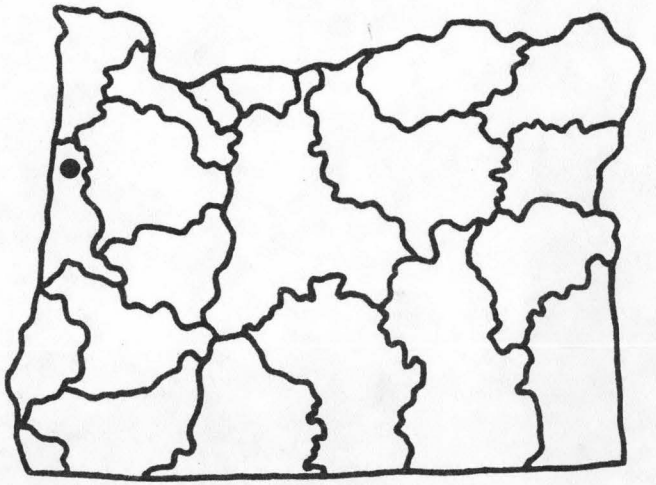
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	32.4	.53	4.64	1.000
80	60.3	.99	8.14	.942
50	276.7	4.53	28.29	.714
30	654.1	10.70	49.92	.533
10	1789.7	29.27	82.46	.322

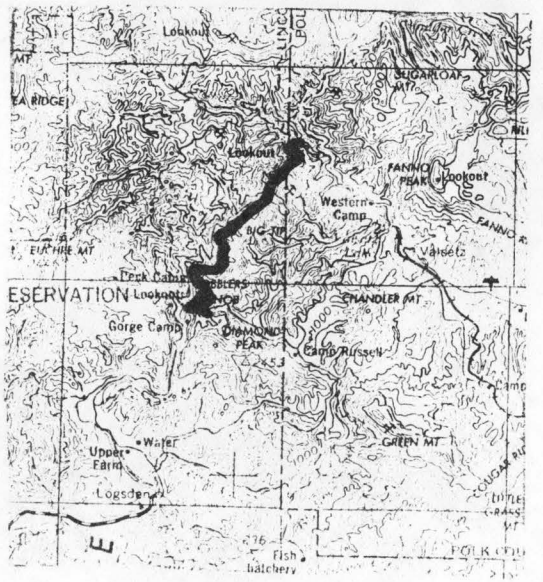
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 660 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-050-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Polk
C.	Township, Range	Sec.20, T8S, R8W
D.	Latitude, Longitude	44°52'N, 123°50'W
E.	Stream Name	South Fork Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 4.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

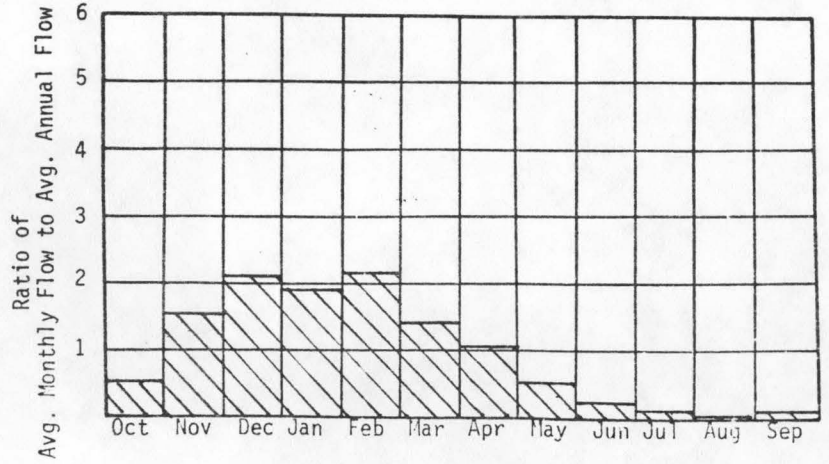
A.	Upstream Elevation of Reach	1080	Ft. MSL
B.	Downstream Elevation of Reach	680	Ft. MSL
C.	Total Available Head in Reach	400	Ft.
D.	Average Slope in Reach	93	Ft./Mi.
E.	Drainage Area above Reach Mouth	20	Sq.Mi.
F.	Inflow Classification	Regulated	

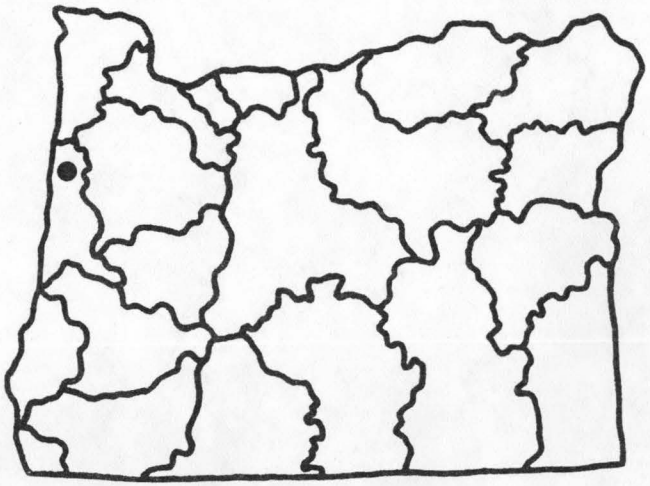
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.4	.28	2.49	1.000
80	16.0	.54	4.47	.940
50	70.7	2.40	15.02	.716
30	161.0	5.46	25.75	.539
10	428.8	14.54	41.66	.327

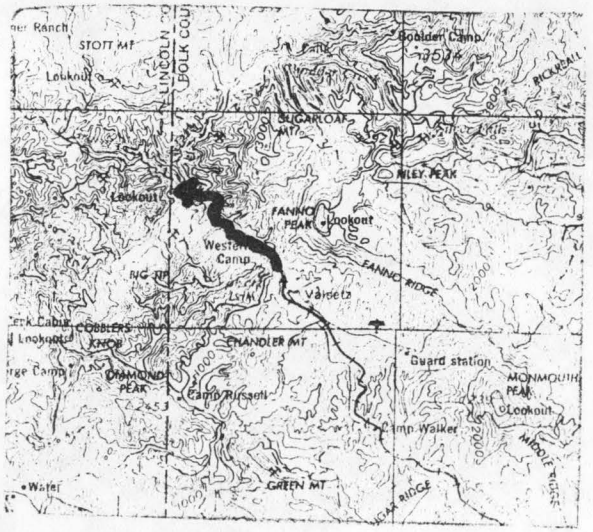
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 158 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-050-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Polk
C.	Township, Range	Sec.34, T8S, R8W
D.	Latitude, Longitude	44°50'N, 123°38'W
E.	Stream Name	South Fork Siletz River
F.	Major Basin Name	Mid-Coast
G.	River Mile	6.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

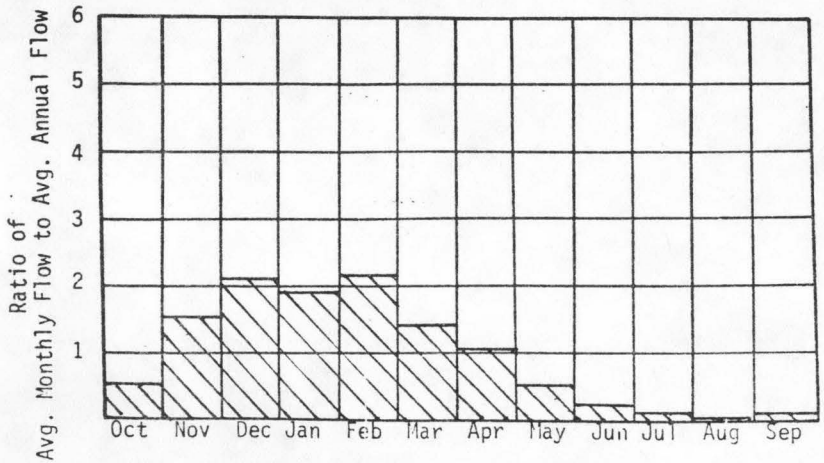
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	10	Sq.Mi.
F.	Inflow Classification	Natural	

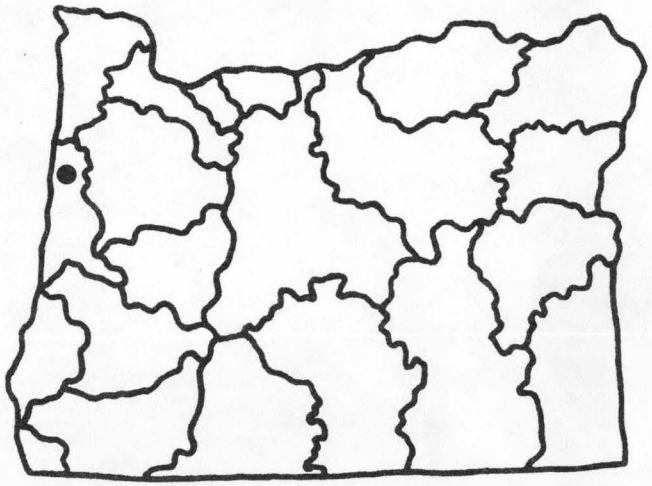
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.02	.20	1.000
80	8.0	.04	.37	.939
50	34.6	.19	1.21	.717
30	77.2	.43	2.05	.542
10	202.9	1.13	3.28	.330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 75 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0011

I. LOCATION

A. State	Oregon	
B. County	Polk	
C. Township, Range	Sec.6, T8S, R8W	
D. Latitude, Longitude	44°54'N, 123°52'W	
E. Stream Name	Siletz River	
F. Major Basin Name	Mid-Coast	
G. River Mile	67.6 to 72.2	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

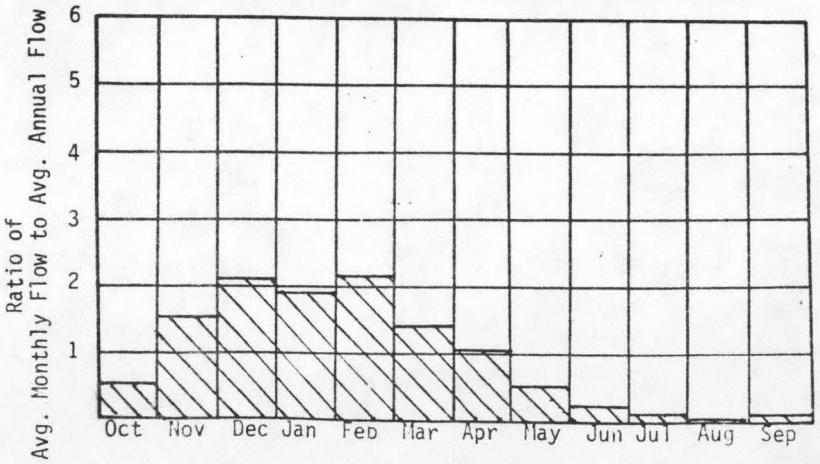
A. Upstream Elevation of Reach	950	Ft. MSL
B. Downstream Elevation of Reach	680	Ft. MSL
C. Total Available Head in Reach	270	Ft.
D. Average Slope in Reach	58.7	Ft./Mi.
E. Drainage Area above Reach Mouth	42	Sq.Mi.
F. Inflow Classification	Natural	

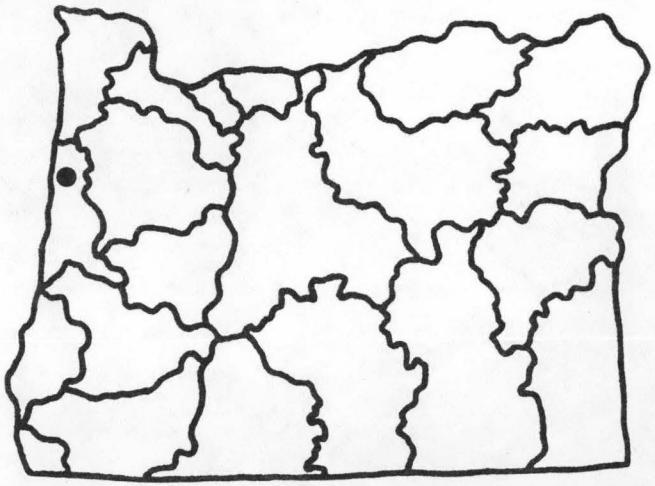
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	19.5	.45	3.90	1.000
80	36.6	.84	6.91	.942
50	165.5	3.79	23.70	.714
30	385.7	8.83	41.36	.535
10	1044.7	23.91	67.77	.324

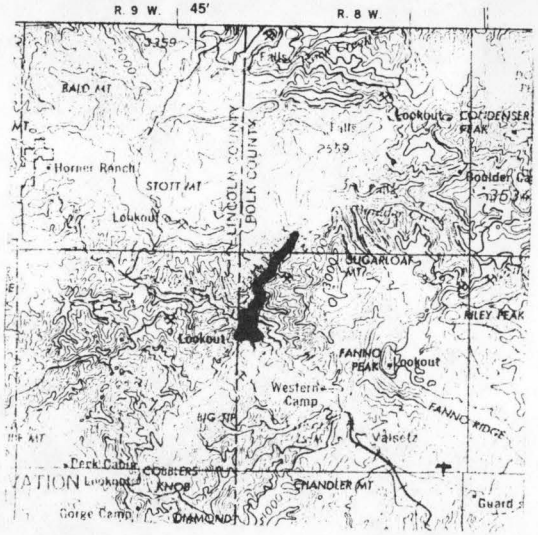
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 385 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-055-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Polk
C.	Township, Range	Sec.29, T7S, R8W
D.	Latitude, Longitude	44°56'N, 123°40'W
E.	Stream Name	Boulder Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 3.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

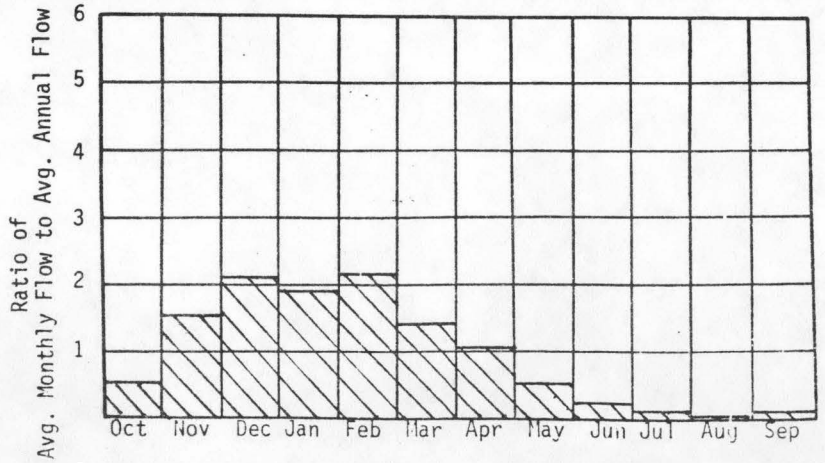
A.	Upstream Elevation of Reach	1400	Ft. MSL
B.	Downstream Elevation of Reach	950	Ft. MSL
C.	Total Available Head in Reach	450	Ft.
D.	Average Slope in Reach	136.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	17	Sq.Mi.
F.	Inflow Classification	Natural	

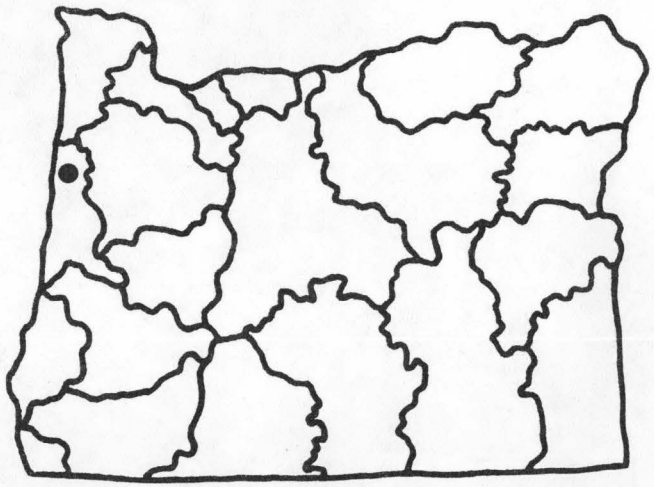
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.7	.29	2.58	1.000
80	14.8	.56	4.65	.940
50	65.2	2.48	15.58	.716
30	148.1	5.65	26.66	.539
10	393.8	15.02	43.08	.327

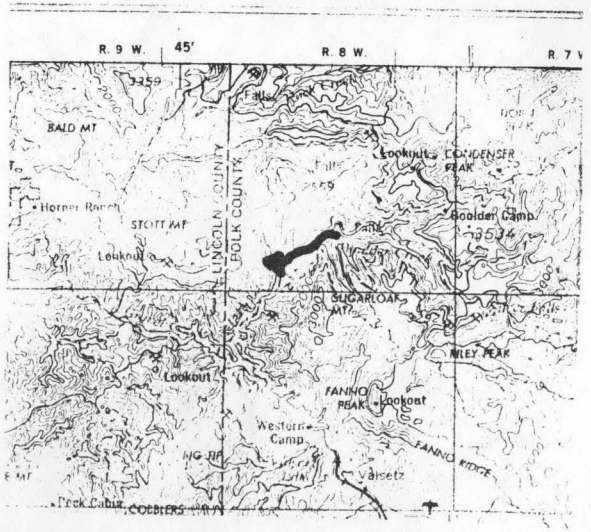
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 145 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-055-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Polk
C.	Township, Range	Sec.28, T7S, R8W
D.	Latitude, Longitude	44°56'N, 123°37'W
E.	Stream Name	Boulder Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	3.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

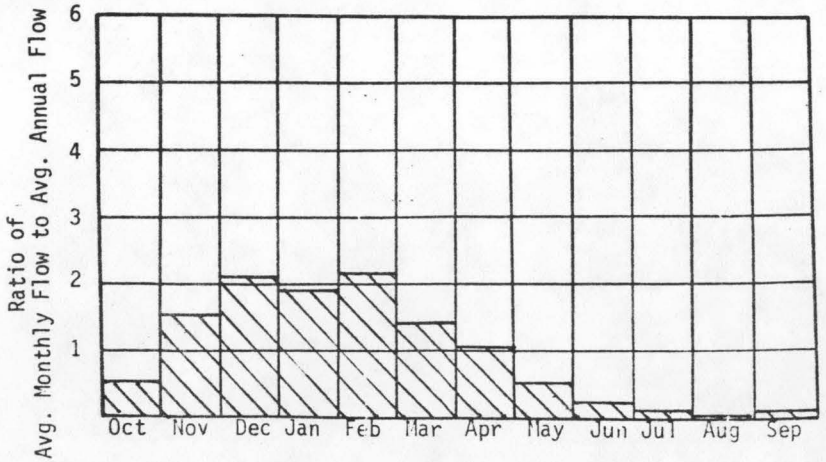
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	9.3	Sq.Mi.
F.	Inflow Classification	Natural	

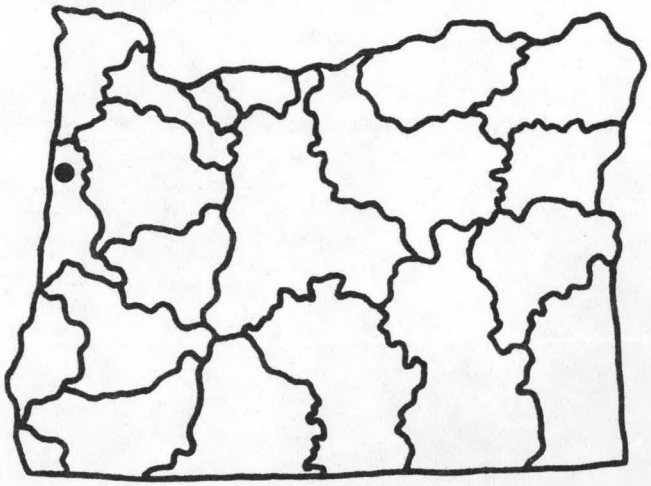
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.7	.03	.28	1.000
80	11.0	.06	.50	.940
50	47.8	.27	1.68	.716
30	107.7	.60	2.85	.540
10	284.7	1.59	4.59	.329

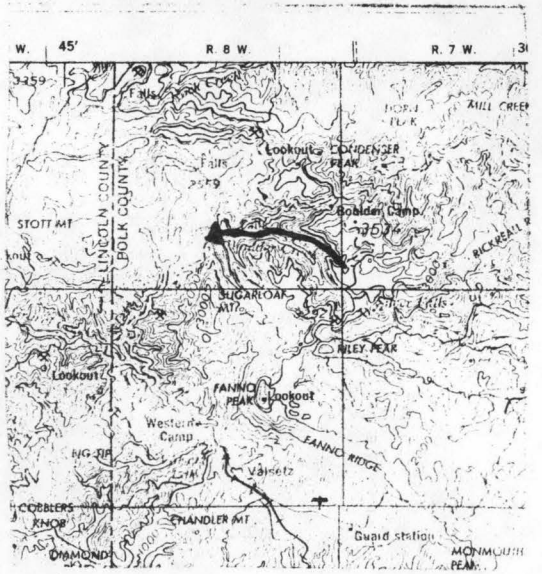
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 105 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

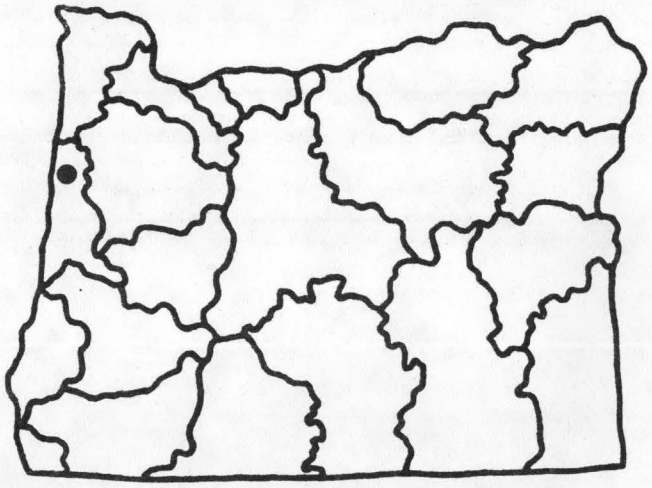


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-060-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Polk
C.	Township, Range	Sec.30, T7S, R8W
D.	Latitude, Longitude	44°56'N, 123°43'W
E.	Stream Name	North Fork Siletz River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.00 to 1.7



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	1115	Ft. MSL
B.	Downstream Elevation of Reach	950	Ft. MSL
C.	Total Available Head in Reach	165	Ft.
D.	Average Slope in Reach	97	Ft./Mi.
E.	Drainage Area above Reach Mouth	18	Sq.Mi.
F.	Inflow Classification	Natural	

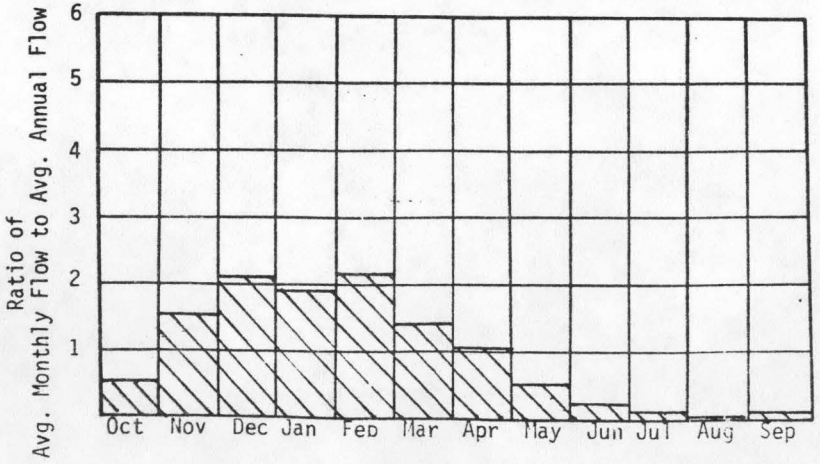
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

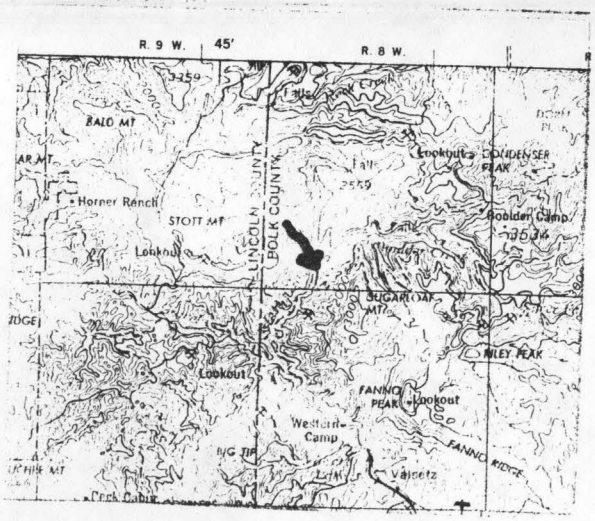
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.4	.13	1.16	1.000
80	18.0	.25	2.08	.941
50	79.7	1.12	6.99	.716
30	182.3	2.55	12.01	.538
10	486.6	6.80	19.47	.327

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 179 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-060-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Polk
C.	Township, Range	Sec.30, T7S, R8W
D.	Latitude, Longitude	44°57'N, 123°41'W
E.	Stream Name	Warnick Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

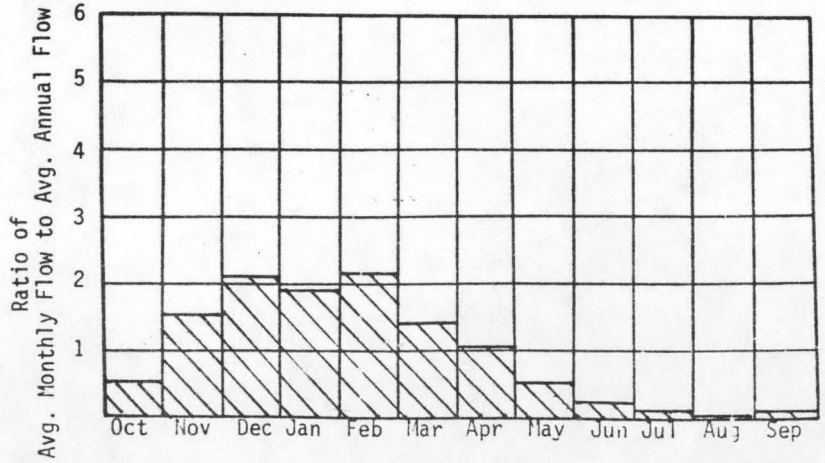
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	8	Sq.Mi.
F.	Inflow Classification	Natural	

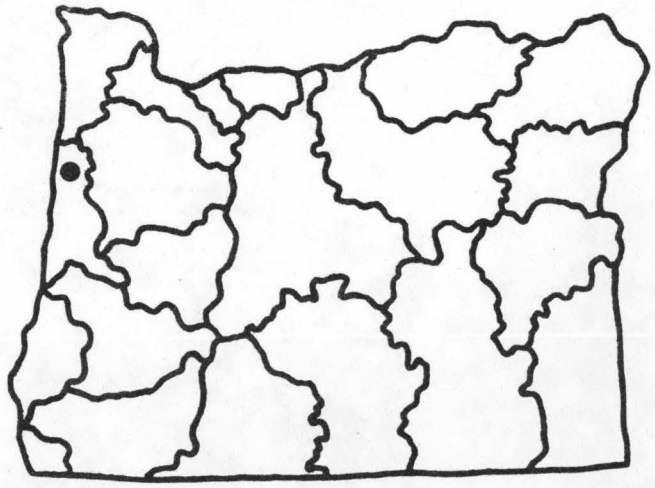
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.8	.03	.23	1.000
80	9.2	.05	.42	.940
50	39.9	.22	1.40	.717
30	89.5	.50	2.37	.541
10	235.8	1.32	3.81	.330

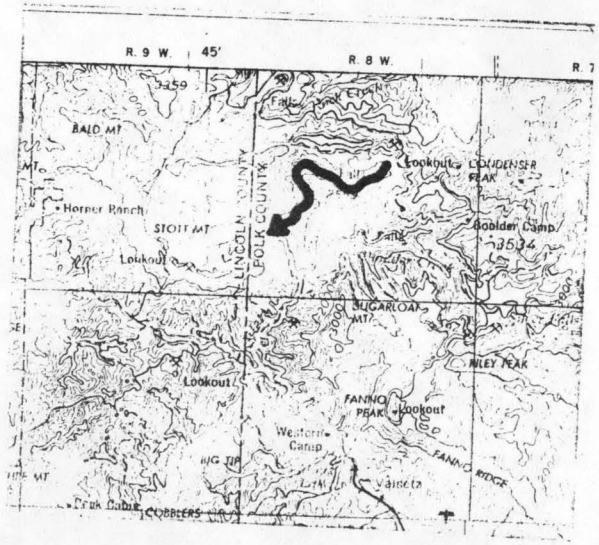
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 87 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-060-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.30, T7S, R9W
D.	Latitude, Longitude	44°57'N, 123°45'W
E.	Stream Name	North Fork Siletz River
F.	Major Basin Name	Mid Coast
G.	River Mile	1.7 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

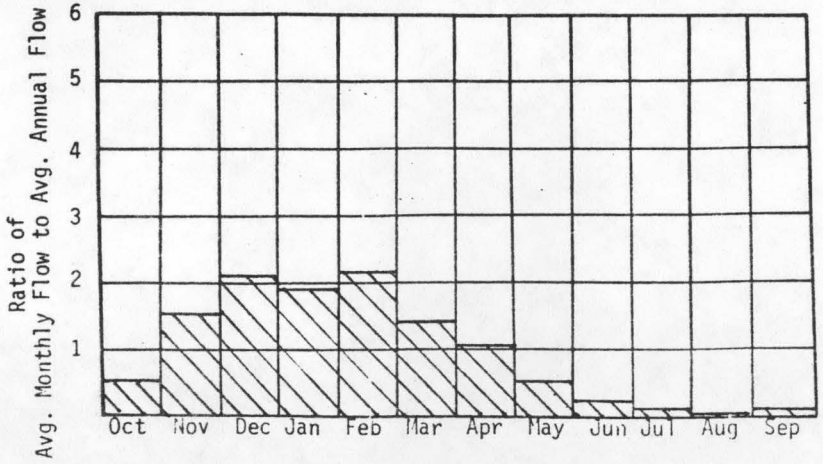
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	9	Sq.Mi.
F.	Inflow Classification	Natural	

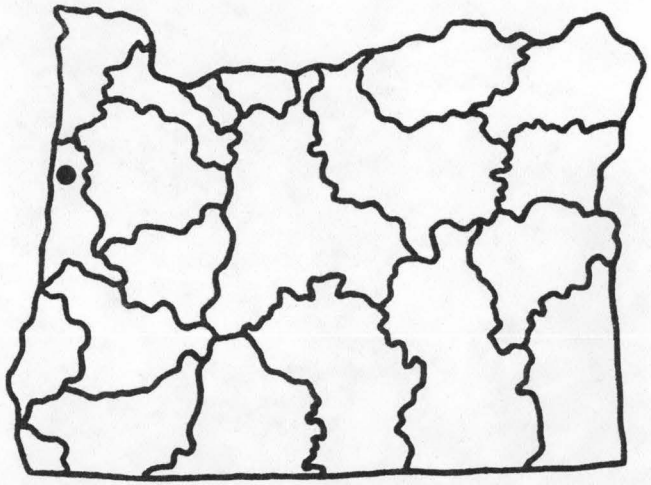
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.1	.03	.25	1.000
80	9.8	.05	.45	.940
50	42.4	.24	1.49	.717
30	95.3	.53	2.53	.541
10	251.3	1.41	4.05	.329

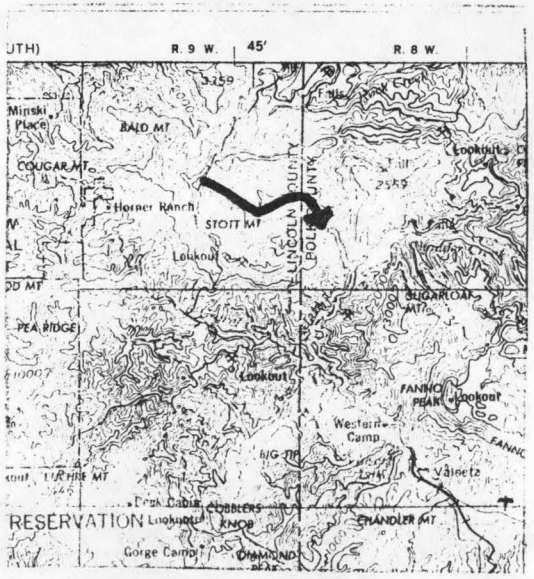
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 93 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.27, T11S, R11W
D.	Latitude, Longitude	44°37'N, 123°59'W
E.	Stream Name	Yaquina River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 12.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

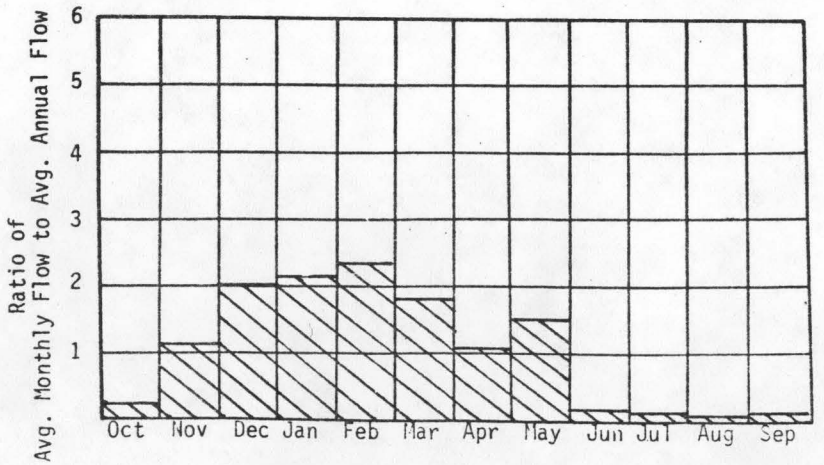
A.	Upstream Elevation of Reach	23	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	23	Ft.
D.	Average Slope in Reach	1.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	213	Sq.Mi.
F.	Inflow Classification	Natural	

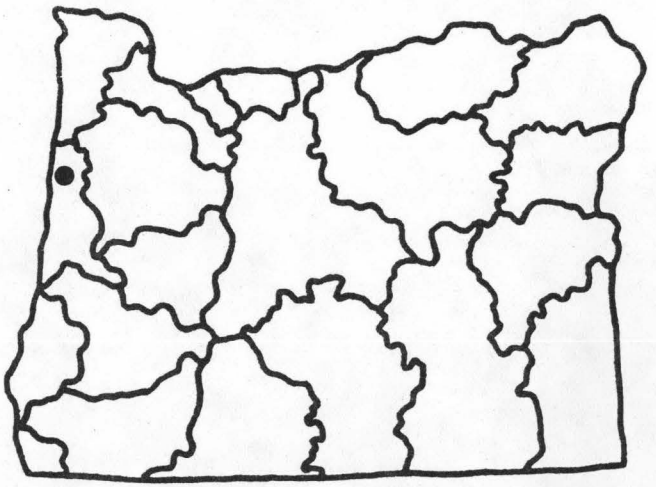
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	40.2	.08	.69	1.000
80	74.5	.15	1.20	.943
50	343.9	.67	4.19	.713
30	817.7	1.59	7.42	.532
10	2247.0	4.38	12.31	.321

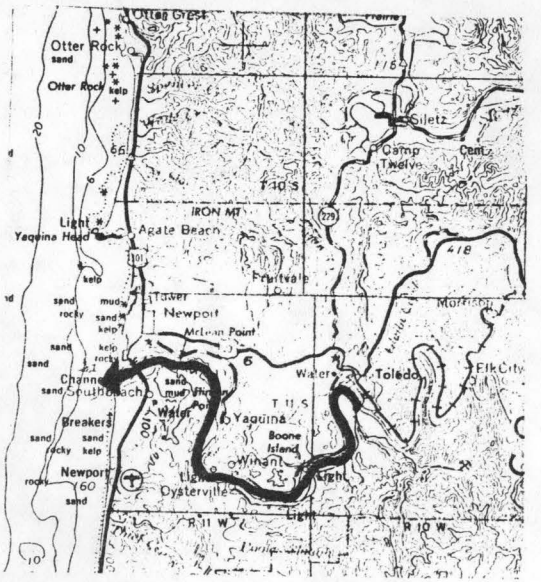
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 828 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-012-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.18, T11S, R10W
D.	Latitude, Longitude	44°38'N, 123°56'W
E.	Stream Name	Depot Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 1.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

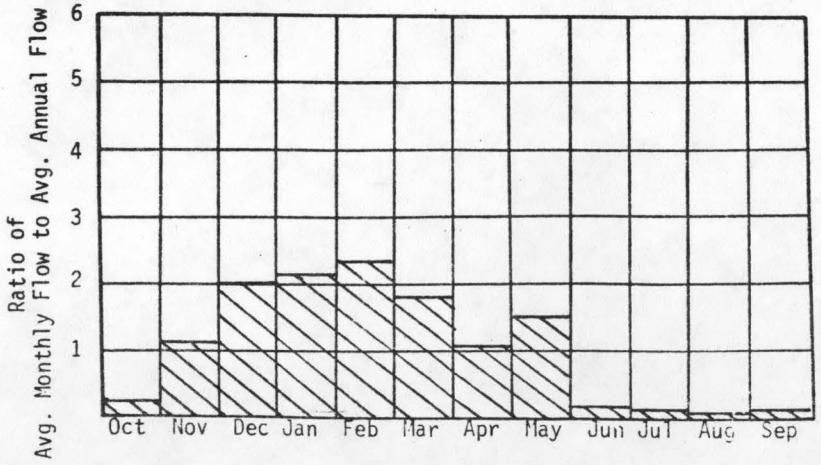
A.	Upstream Elevation of Reach	37	Ft. MSL
B.	Downstream Elevation of Reach	23	Ft. MSL
C.	Total Available Head in Reach	14	Ft.
D.	Average Slope in Reach	10	Ft./Mi.
E.	Drainage Area above Reach Mouth	20	Sq.Mi.
F.	Inflow Classification	Natural	

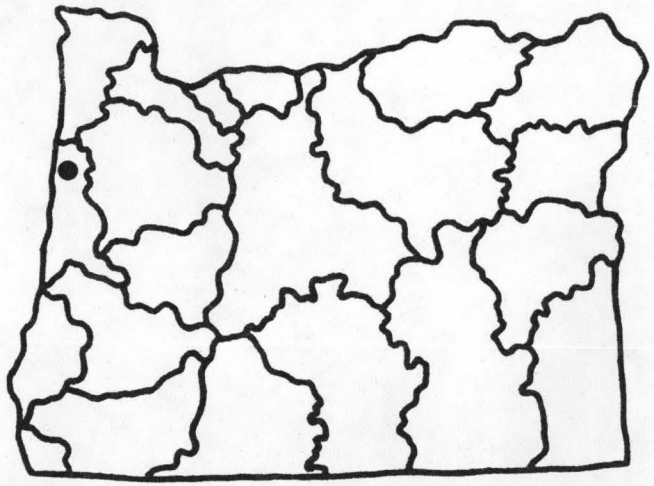
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.00	.04	1.000
80	8.0	.01	.08	.939
50	34.5	.04	.26	.717
30	77.0	.09	.43	.542
10	202.3	.24	.69	.330

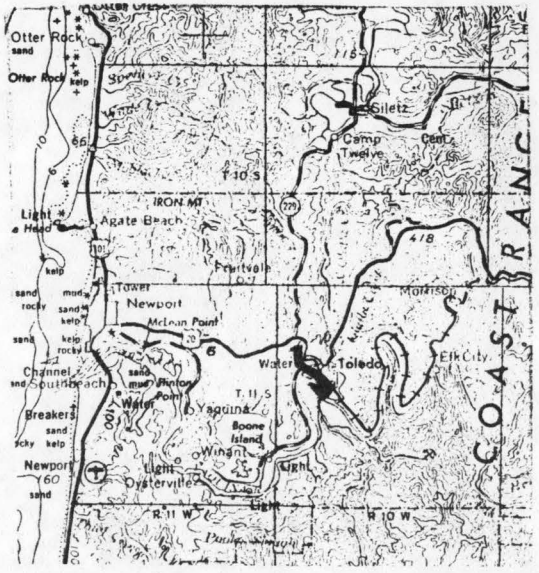
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 74 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-012-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.7, T10S, R10W
D.	Latitude, Longitude	44°39'N, 123°58'W
E.	Stream Name	Depot Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	1.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

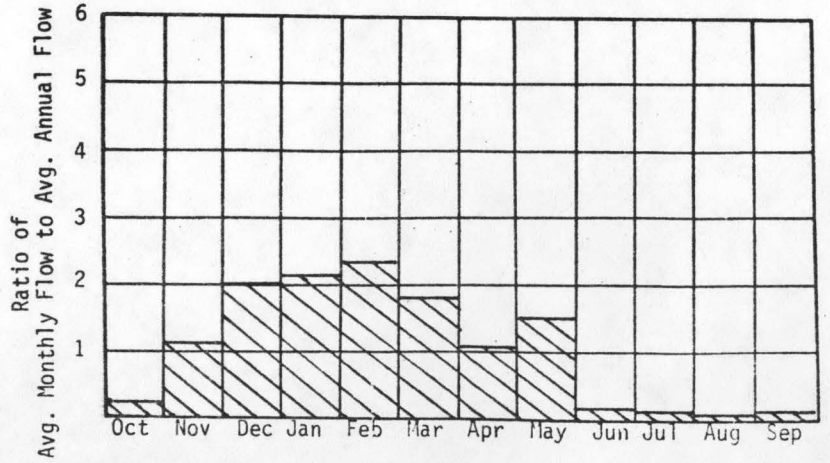
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	19	Sq.Mi.
F.	Inflow Classification	Natural	

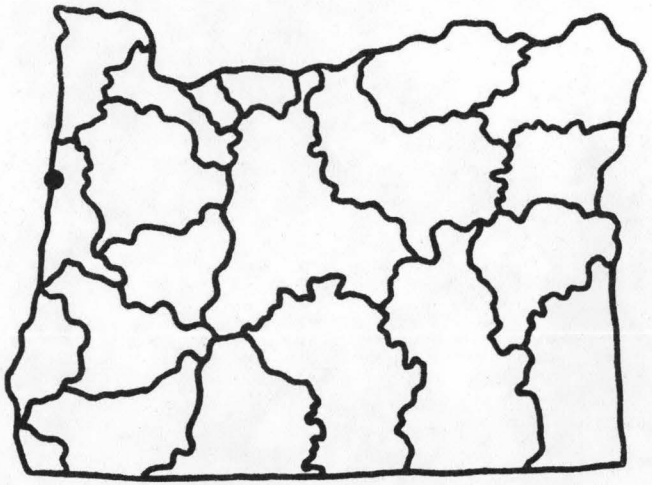
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.0	.02	.20	1.000
80	7.8	.04	.36	.939
50	33.8	.19	1.19	.717
30	75.5	.42	2.00	.542
10	198.1	1.11	3.21	.330

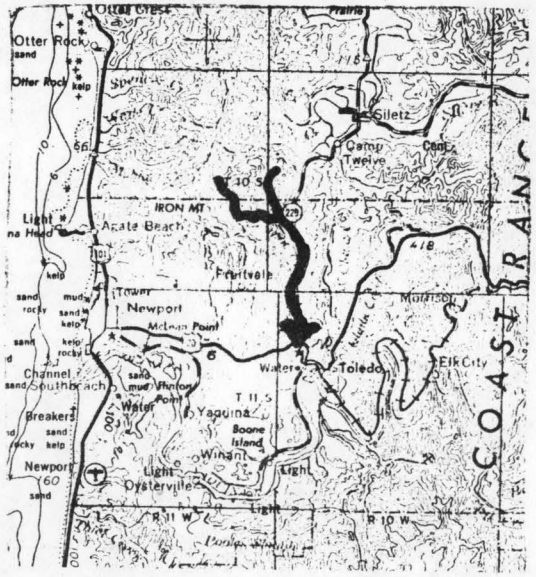
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 73 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.16, T11S, R10W
D.	Latitude, Longitude	44°38'N, 123°54'W
E.	Stream Name	Yaquina River
F.	Major Basin Name	Mid Coast
G.	River Mile	12.8 to 22.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

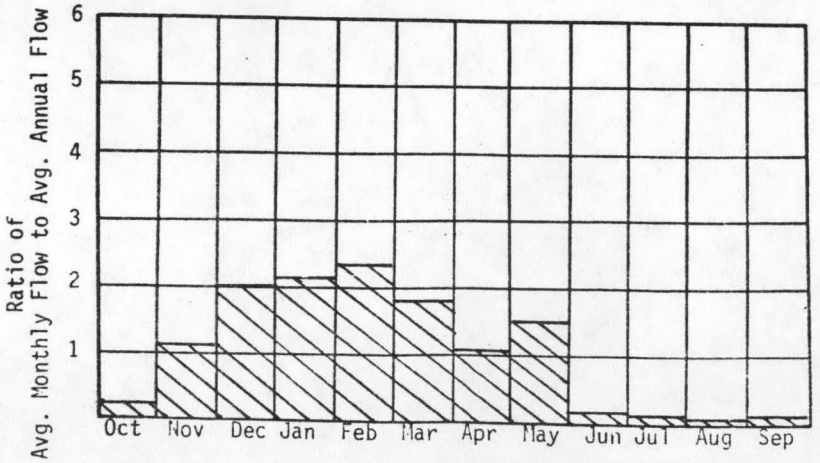
A.	Upstream Elevation of Reach	41	Ft. MSL
B.	Downstream Elevation of Reach	23	Ft. MSL
C.	Total Available Head in Reach	18	Ft.
D.	Average Slope in Reach	1.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	162	Sq.Mi.
F.	Inflow Classification	Natural	

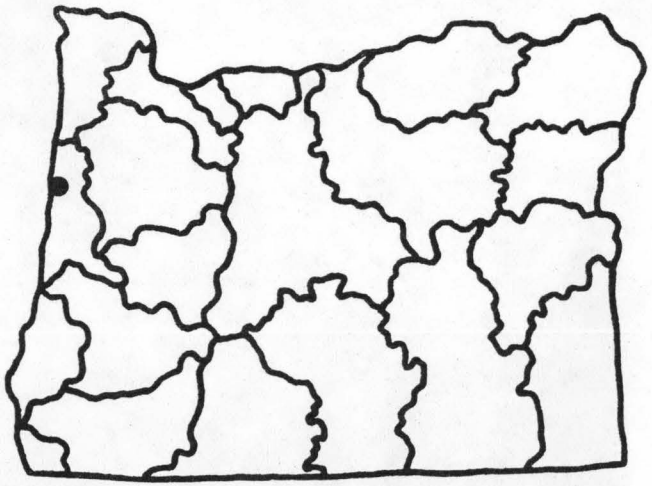
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	32.8	.05	.44	1.000
80	61.0	.09	.77	.942
50	280.0	.43	2.67	.714
30	662.3	1.01	4.71	.533
10	1812.5	2.76	7.79	.322

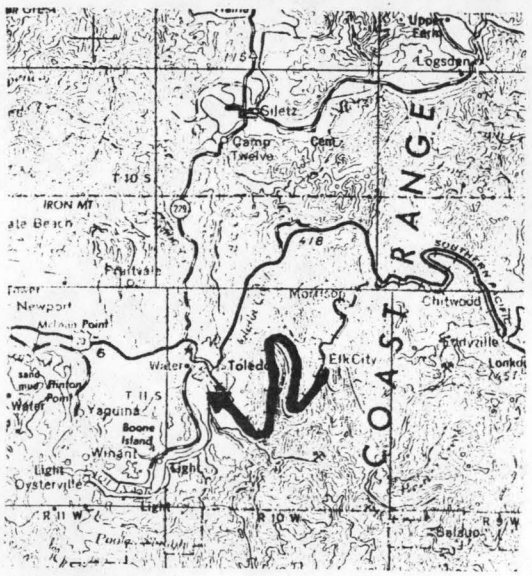
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 668 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.13, T11S, R10W
D.	Latitude, Longitude	44°37'N,123°51'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to 5.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

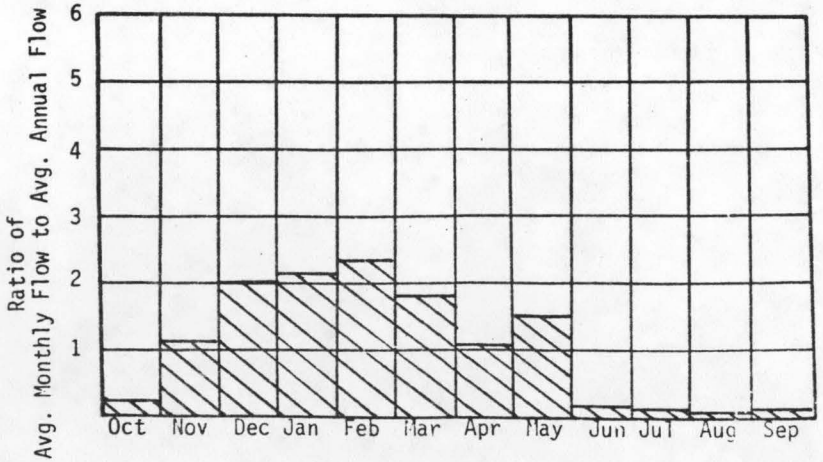
A.	Upstream Elevation of Reach	42	Ft. MSL
B.	Downstream Elevation of Reach	41	Ft. MSL
C.	Total Available Head in Reach	1	Ft.
D.	Average Slope in Reach	0.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	84.0	Sq.Mi.
F.	Inflow Classification	Natural	

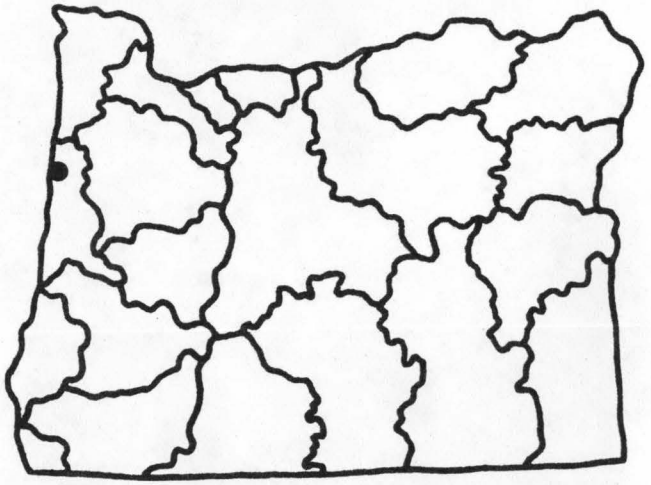
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	19.2	.00	.01	1.000
80	36.1	.00	.03	.941
50	163.3	.01	.09	.714
30	380.6	.03	.15	.535
10	1030.6	.09	.25	.324

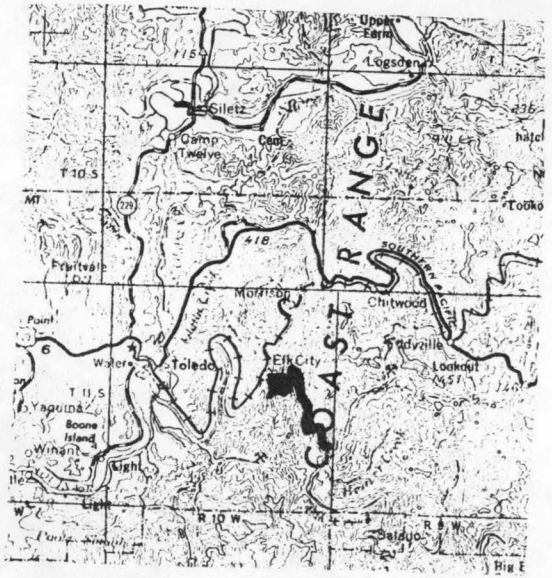
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 380 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.5, T12S, R9W
D.	Latitude, Longitude	44°35'N,123°48'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	5.0 to 14.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

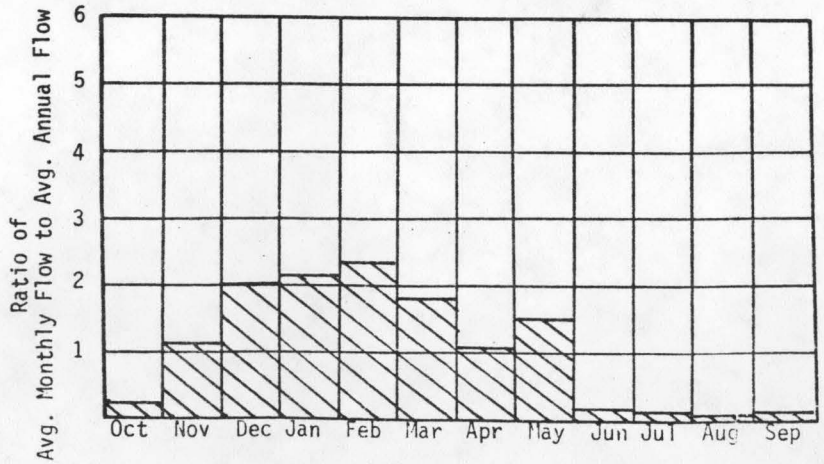
A.	Upstream Elevation of Reach	121	Ft. MSL
B.	Downstream Elevation of Reach	42	Ft. MSL
C.	Total Available Head in Reach	79	Ft.
D.	Average Slope in Reach	8.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	74	Sq.Mi.
F.	Inflow Classification	Natural	

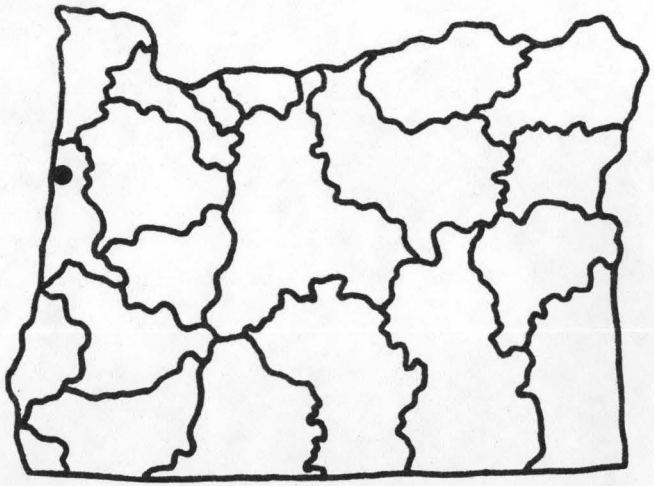
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	16.3	.11	.96	1.000
80	30.7	.21	1.70	.941
50	138.2	.92	5.79	.715
30	320.5	2.15	10.07	.536
10	865.0	5.79	16.46	.324

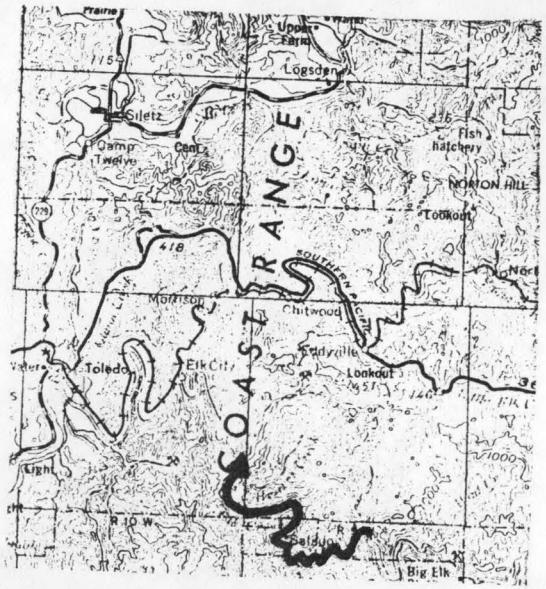
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 318 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.2, T12S, R9W
D.	Latitude, Longitude	44°35'N,123°45'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	14.5 to 21.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

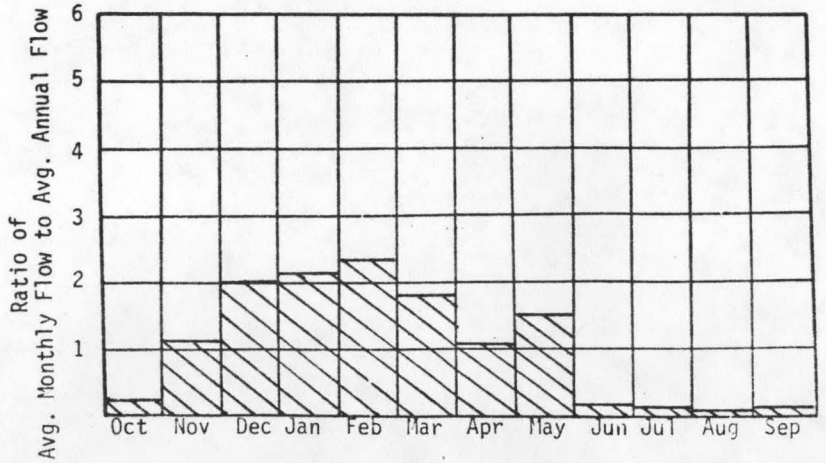
A.	Upstream Elevation of Reach	200	Ft. MSL
B.	Downstream Elevation of Reach	121	Ft. MSL
C.	Total Available Head in Reach	79	Ft.
D.	Average Slope in Reach	11.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	53	Sq.Mi.
F.	Inflow Classification	Natural	

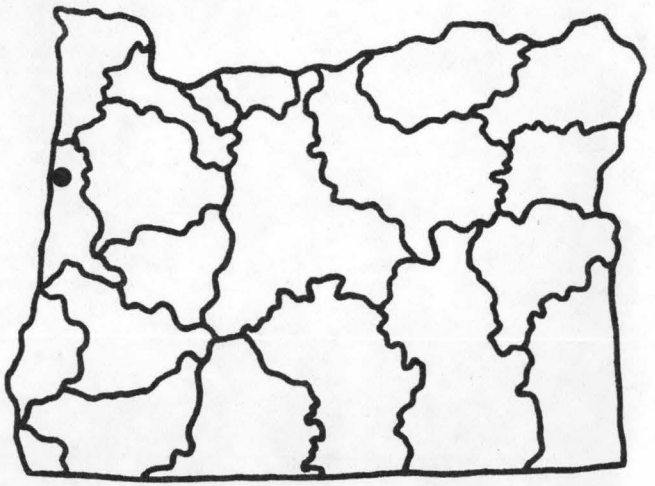
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.2	.08	.71	1.000
80	23.1	.15	1.27	.941
50	102.8	.69	4.31	.715
30	236.7	1.58	7.45	.537
10	635.0	4.25	12.13	.326

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 234 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.8, T12S, R8W
D.	Latitude, Longitude	44°33', 123°49'
E.	Stream Name	Elk Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	21.4 to 23.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

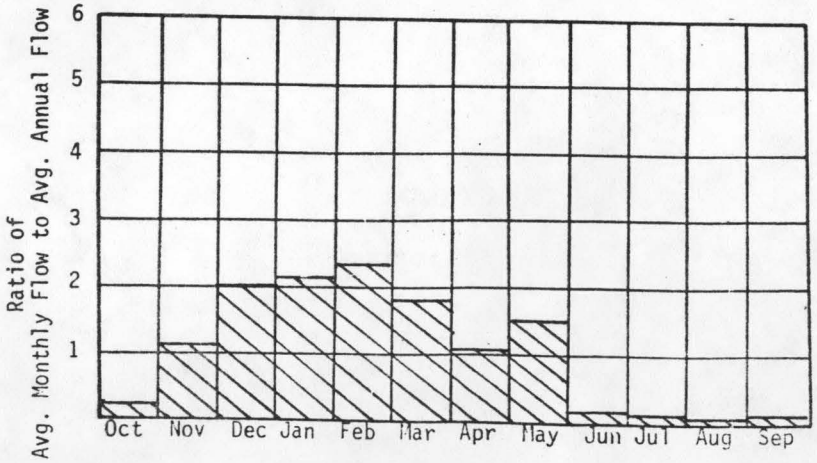
A.	Upstream Elevation of Reach	250	Ft. MSL
B.	Downstream Elevation of Reach	200	Ft. MSL
C.	Total Available Head in Reach	50	Ft.
D.	Average Slope in Reach	31.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	33	Sq.Mi.
F.	Inflow Classification	Natural	

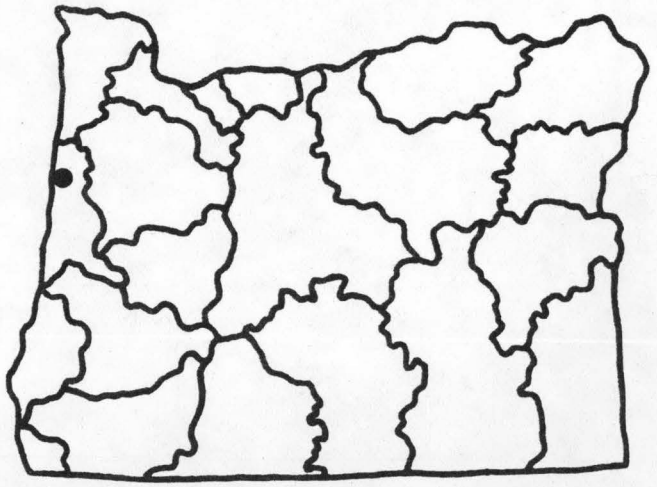
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.8	.03	.29	1.000
80	14.9	.06	.52	.940
50	65.8	.28	1.75	.716
30	149.5	.63	2.99	.539
10	397.6	1.68	4.83	.327

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 146 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.8, T12S, R8W
D.	Latitude, Longitude	44°31'N, 123°39'W
E.	Stream Name	Elk Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	23.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

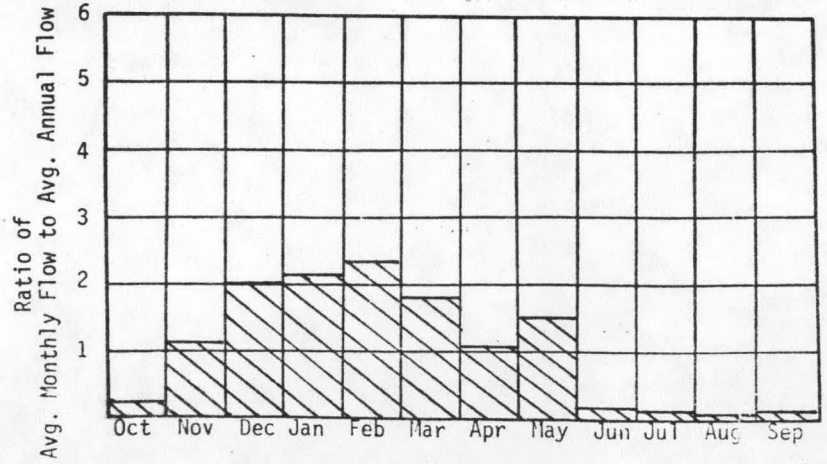
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	15	Sq.Mi.
F.	Inflow Classification	Natural	

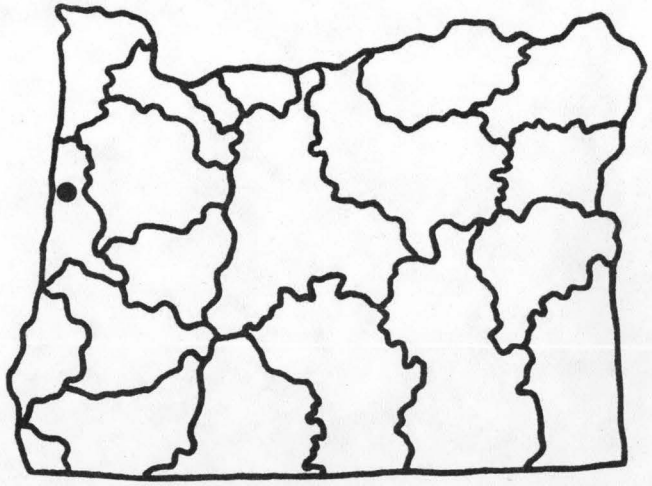
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.02	.21	1.000
80	8.4	.05	.39	.939
50	36.2	.20	1.27	.717
30	81.0	.45	2.15	.542
10	212.9	1.19	3.44	.330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 78 CFS





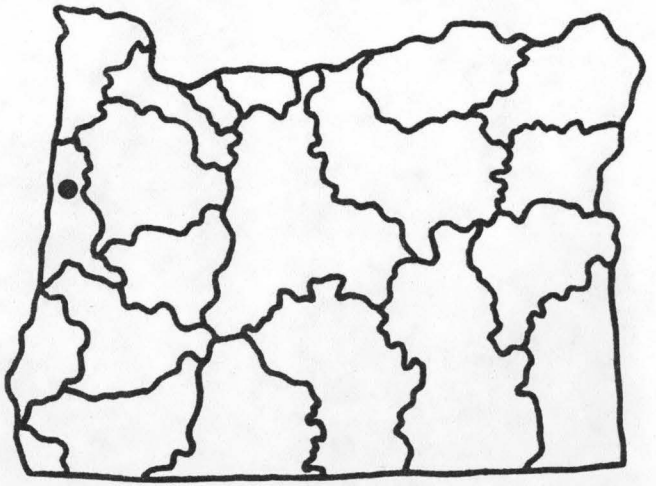
U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.36, T10S, R10W
D.	Latitude, Longitude	44°39'N, 123°51'W
E.	Stream Name	Yaquina River
F.	Major Basin Name	Mid Coast
G.	River Mile	22.4 to 30.0



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

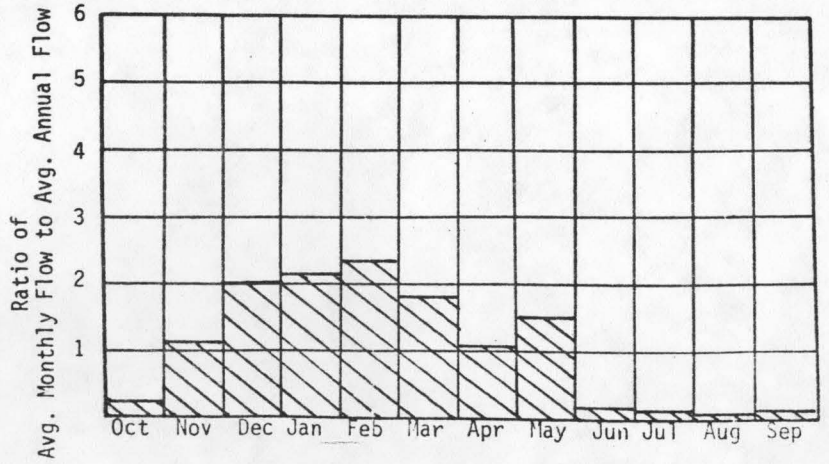
A.	Upstream Elevation of Reach	50	Ft. MSL
B.	Downstream Elevation of Reach	41	Ft. MSL
C.	Total Available Head in Reach	9	Ft.
D.	Average Slope in Reach	1.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	79	Sq.Mi.
F.	Inflow Classification	Natural	

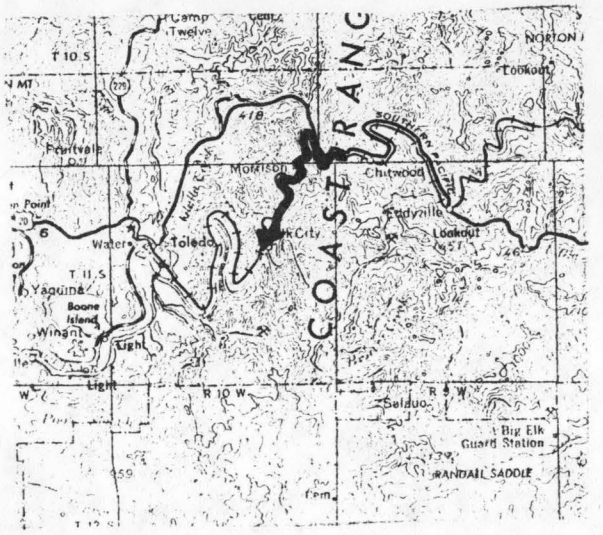
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.9	.01	.11	1.000
80	30.0	.02	.19	.941
50	134.7	.10	.64	.715
30	312.3	.24	1.12	.536
10	842.5	.64	1.83	.324

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 310 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.29, T10S, R9W
D.	Latitude, Longitude	44°39'N, 123°48'W
E.	Stream Name	Yaquina River
F.	Major Basin Name	Mid Coast
G.	River Mile	30 to 36.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

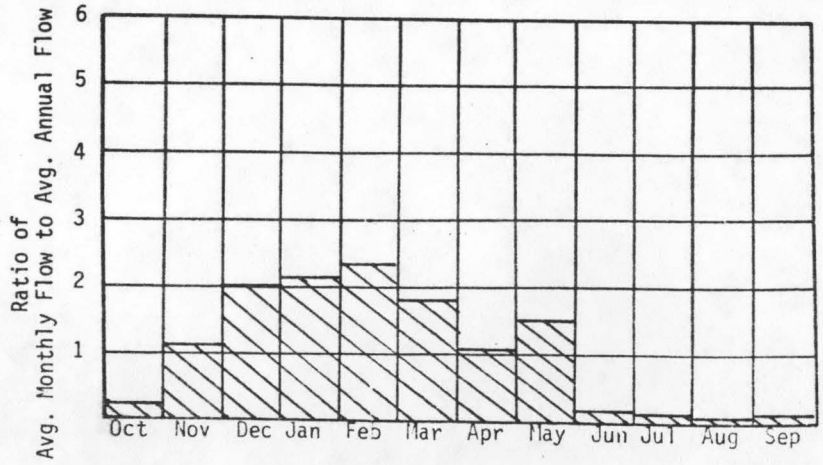
A.	Upstream Elevation of Reach	70	Ft. MSL
B.	Downstream Elevation of Reach	50	Ft. MSL
C.	Total Available Head in Reach	20	Ft.
D.	Average Slope in Reach	3.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	64	Sq.Mi.
F.	Inflow Classification	Natural	

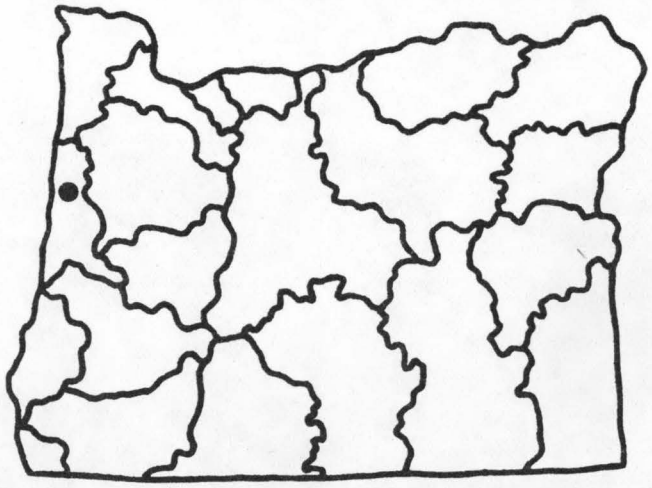
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	13.7	.02	.20	1.000
80	25.9	.04	.36	.941
50	116.0	.20	1.23	.715
30	267.9	.45	2.13	.536
10	720.6	1.22	3.48	.325

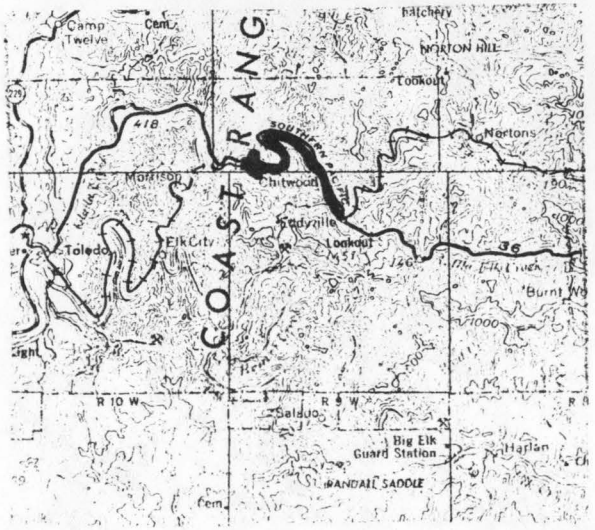
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 266 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-030-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.10, T11S, R9W
D.	Latitude, Longitude	44°38'N, 123°46'W
E.	Stream Name	Little Elk Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

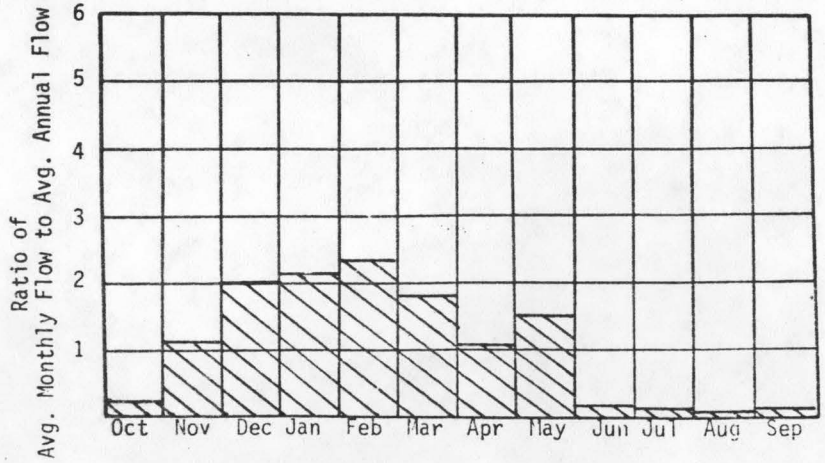
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	17	Sq.Mi.
F.	Inflow Classification	Natural	

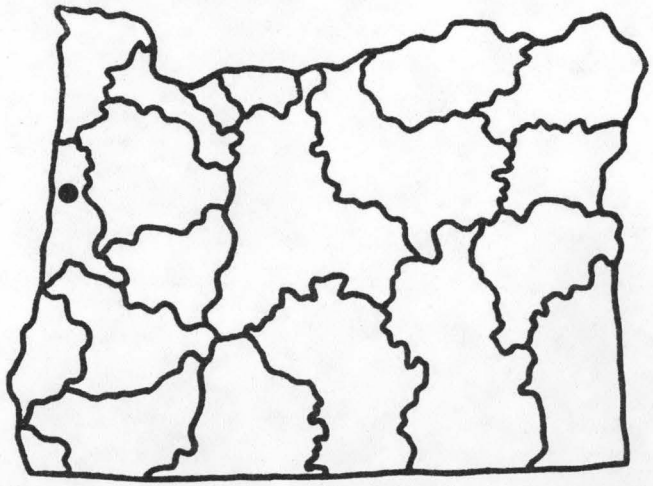
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.21	1.000
80	8.2	.05	.38	.939
50	35.4	.20	1.24	.717
30	79.2	.44	2.10	.542
10	208.2	1.16	3.37	.330

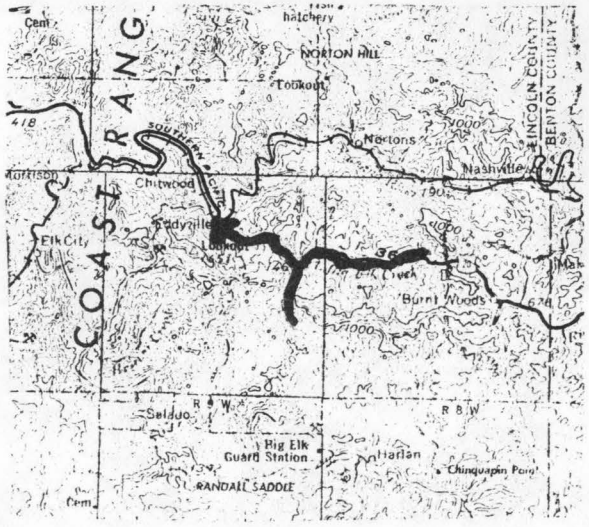
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.35, T10S, R9W
D.	Latitude, Longitude	44°40'N, 123°43'W
E.	Stream Name	Yaquina River
F.	Major Basin Name	Mid Coast
G.	River Mile	36.3 to 45.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

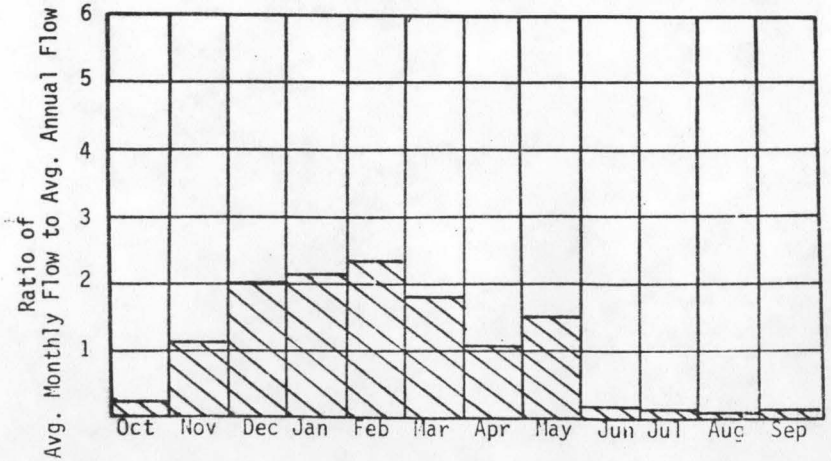
A.	Upstream Elevation of Reach	160	Ft. MSL
B.	Downstream Elevation of Reach	70	Ft. MSL
C.	Total Available Head in Reach	90	Ft.
D.	Average Slope in Reach	10.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	39	Sq.Mi.
F.	Inflow Classification	Natural	

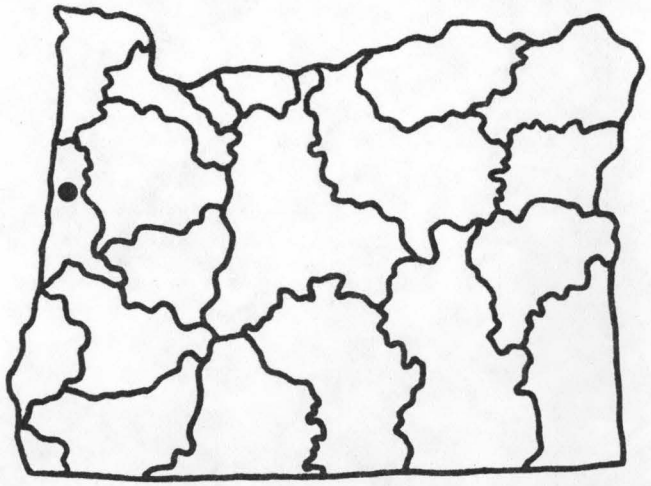
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.2	.06	.55	1.000
80	15.7	.12	.99	.940
50	69.4	.53	3.32	.716
30	158.0	1.20	5.69	.539
10	420.6	3.21	9.20	.327

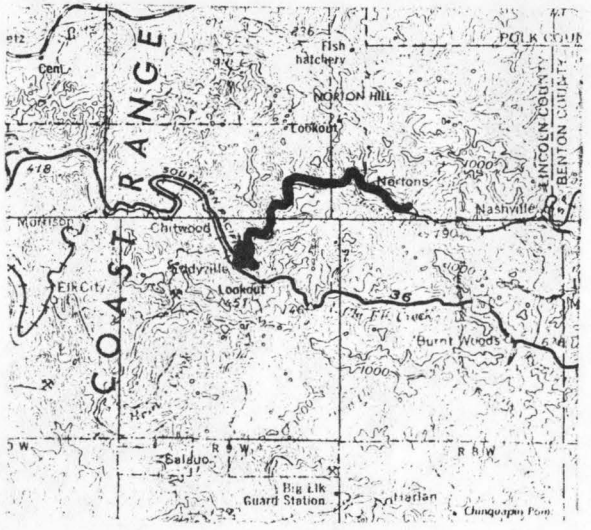
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 155 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.3, T11S, R8W
D.	Latitude, Longitude	44°39'N, 123°40'W
E.	Stream Name	Yaquina River
F.	Major Basin Name	Mid Coast
G.	River Mile	45.0 to 49.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

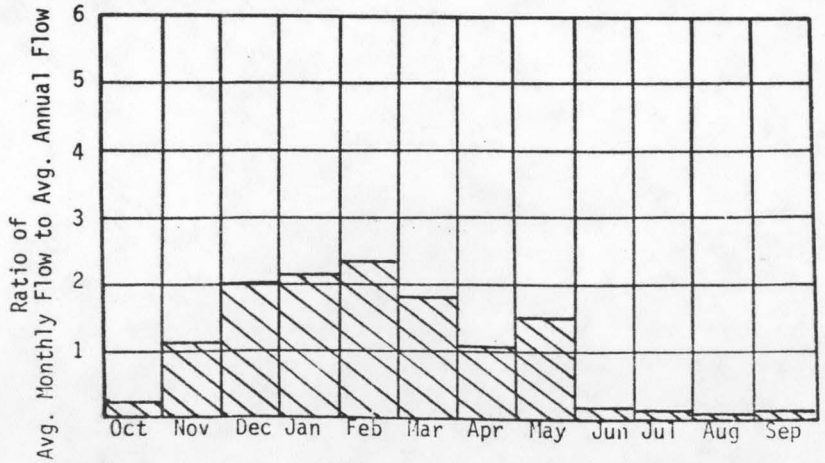
A.	Upstream Elevation of Reach	200	Ft. MSL
B.	Downstream Elevation of Reach	160	Ft. MSL
C.	Total Available Head in Reach	40	Ft.
D.	Average Slope in Reach	8.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	27	Sq.Mi.
F.	Inflow Classification	Natural	

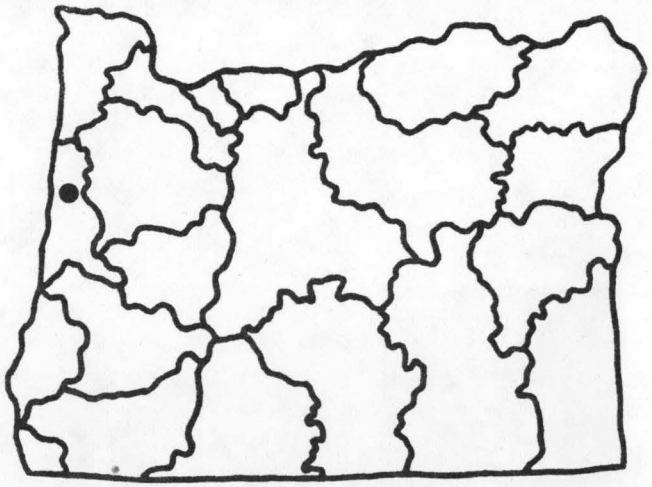
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.8	.02	.17	1.000
80	11.1	.04	.31	.940
50	48.4	.16	1.03	.716
30	109.2	.37	1.75	.540
10	288.8	.98	2.82	.329

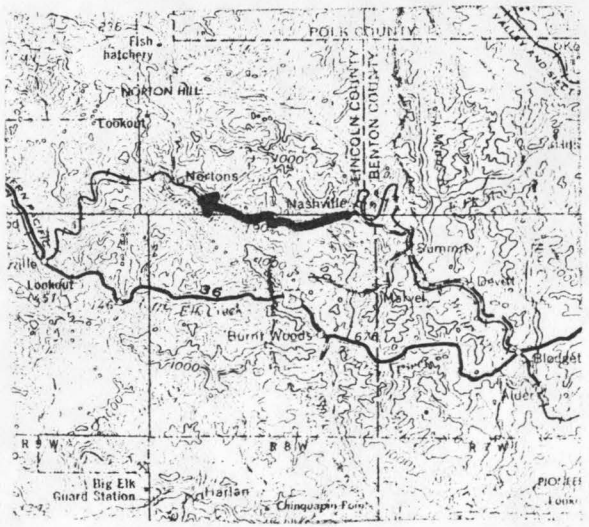
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 106 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.2, T11S, R8W
D.	Latitude, Longitude	44°38'N,123°37'W
E.	Stream Name	Yaquina River
F.	Major Basin Name	Mid Coast
G.	River Mile	49.7 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

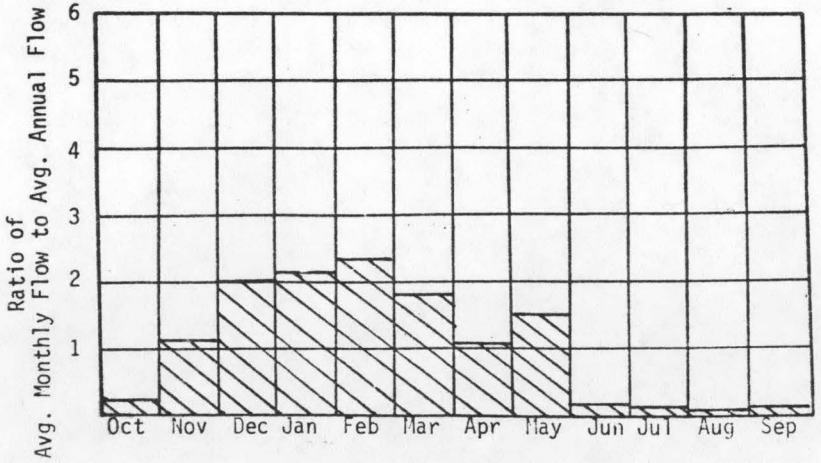
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	16	Sq.Mi.
F.	Inflow Classification	Natural	

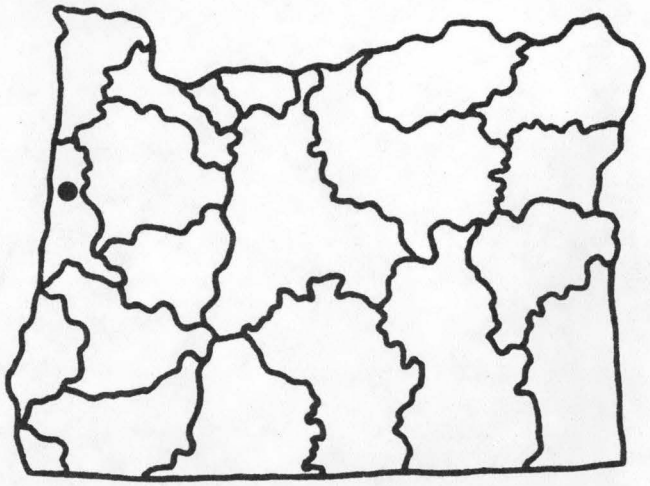
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.6	.03	.23	1.000
80	8.9	.05	.41	.940
50	38.6	.22	1.35	.717
30	86.4	.48	2.29	.541
10	227.5	1.27	3.68	.330

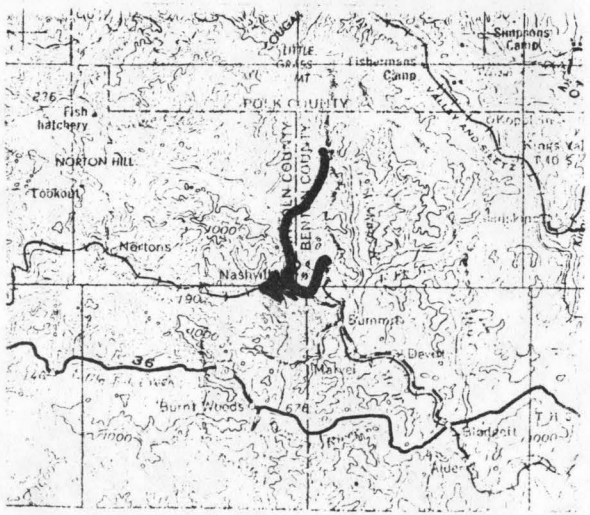
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 84 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

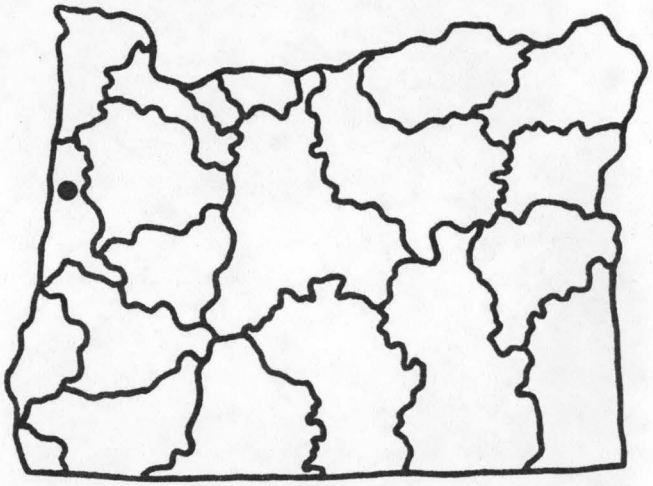


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-630-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.20, T12S, R11W
D.	Latitude, Longitude	44°30'N, 124°02'W
E.	Stream Name	Beaver Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 4.3



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

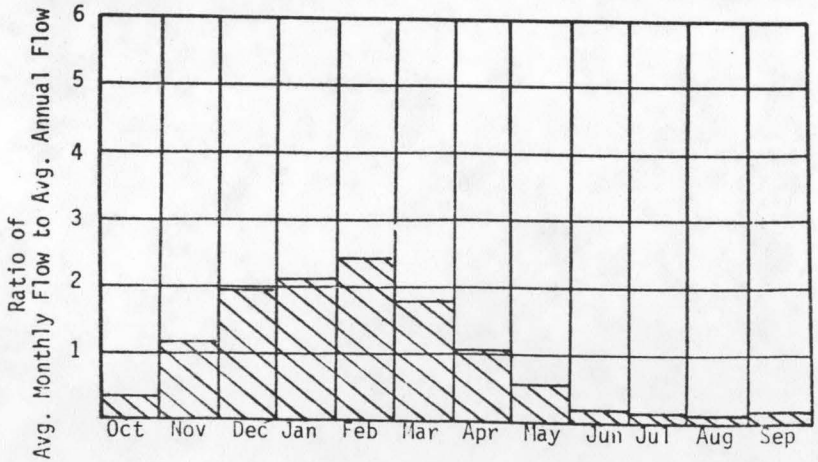
A.	Upstream Elevation of Reach	29	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	29	Ft.
D.	Average Slope in Reach	6.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	38	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

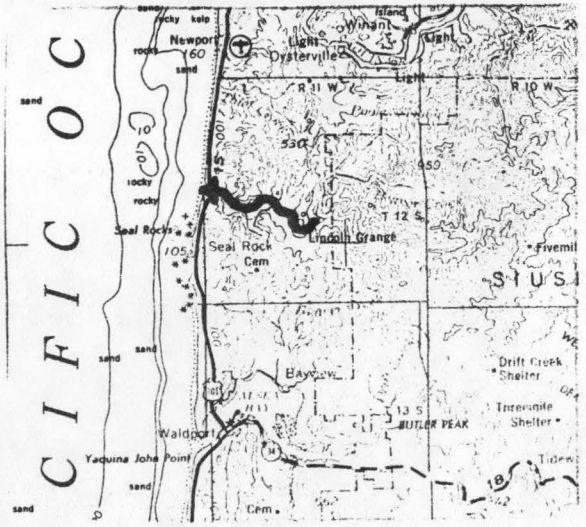
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.0	.02	.15	1.000
80	13.4	.03	.27	.940
50	58.7	.14	.90	.716
30	133.0	.33	1.54	.539
10	353.0	.87	2.49	.328

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 130 CFS



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-630-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.21, T12S, R11W
D.	Latitude, Longitude	44°31'N, 123°59'W
E.	Stream Name	Beaver Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	4.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

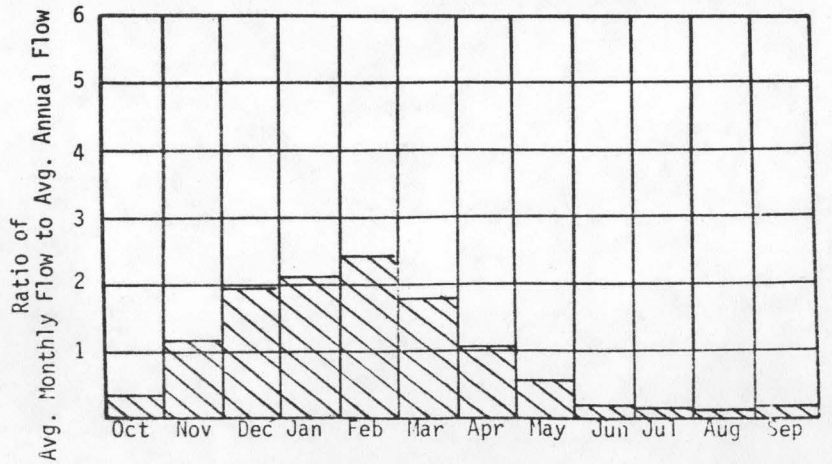
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	18	Sq.Mi.
F.	Inflow Classification	Natural	

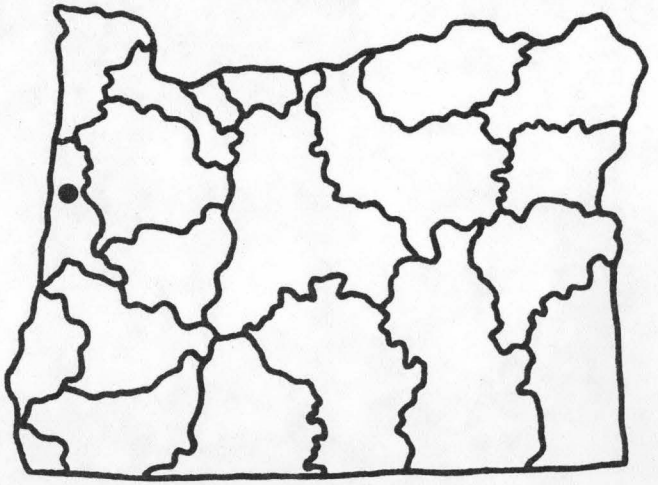
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.9	.03	.24	1.000
80	9.4	.05	.43	.940
50	41.0	.23	1.44	.717
30	92.0	.51	2.44	.541
10	242.6	1.36	3.92	.329

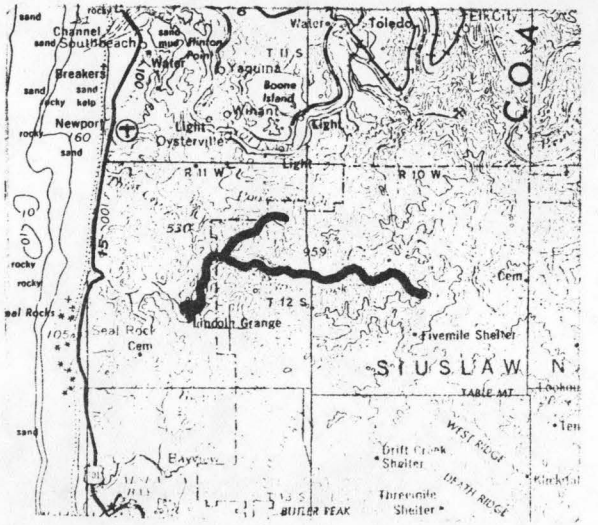
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 89 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

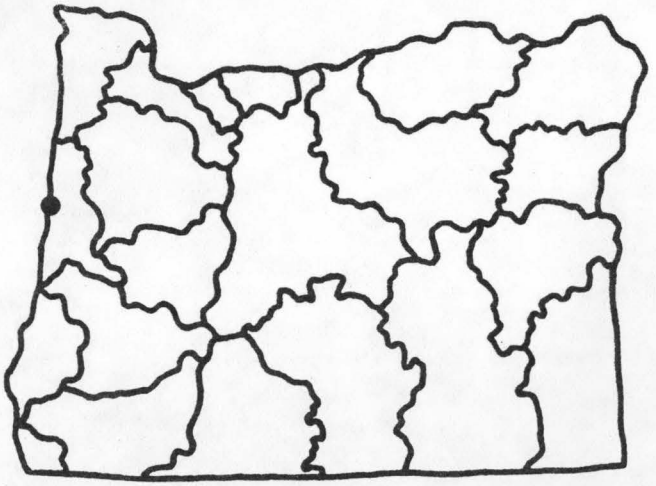


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.17, T13S, R11W
D.	Latitude, Longitude	44°26'N, 124°02'W
E.	Stream Name	Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 5.1



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

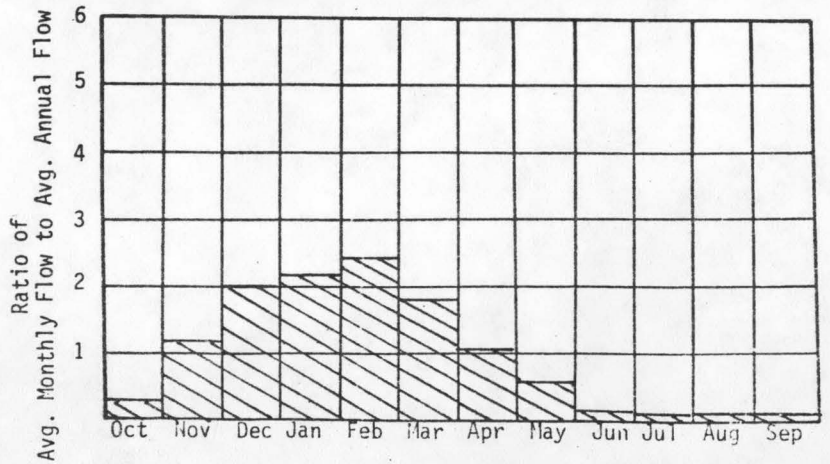
A.	Upstream Elevation of Reach	14	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	14	Ft.
D.	Average Slope in Reach	2.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	433	Sq.Mi.
F.	Inflow Classification	Natural	

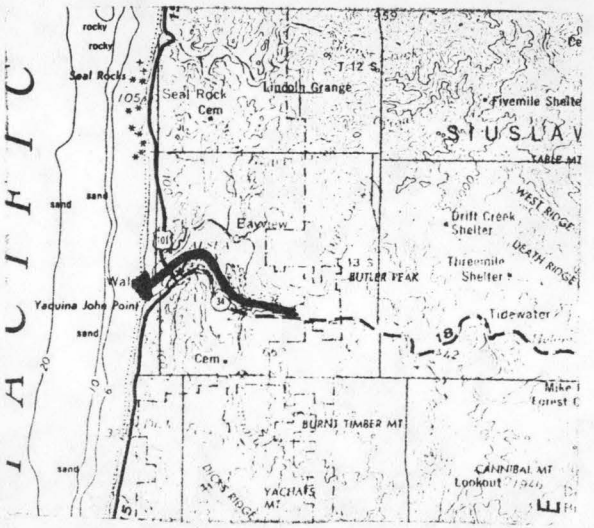
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	90.4	.11	.94	1.000
80	164.6	.20	1.61	.944
50	778.4	.92	5.76	.712
30	1892.8	2.25	10.39	.528
10	5285.5	6.27	17.45	.318

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1949 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.13, T13S, R11W
D.	Latitude, Longitude	44°27'N, 123°58'W
E.	Stream Name	Drift Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 8.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

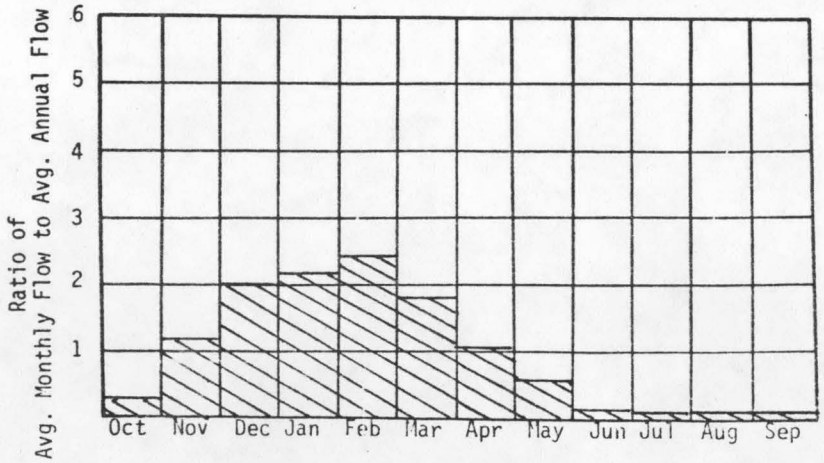
A.	Upstream Elevation of Reach	48	Ft. MSL
B.	Downstream Elevation of Reach	14	Ft. MSL
C.	Total Available Head in Reach	34	Ft.
D.	Average Slope in Reach	4	Ft./Mi.
E.	Drainage Area above Reach Mouth	68	Sq.Mi.
F.	Inflow Classification	Natural	

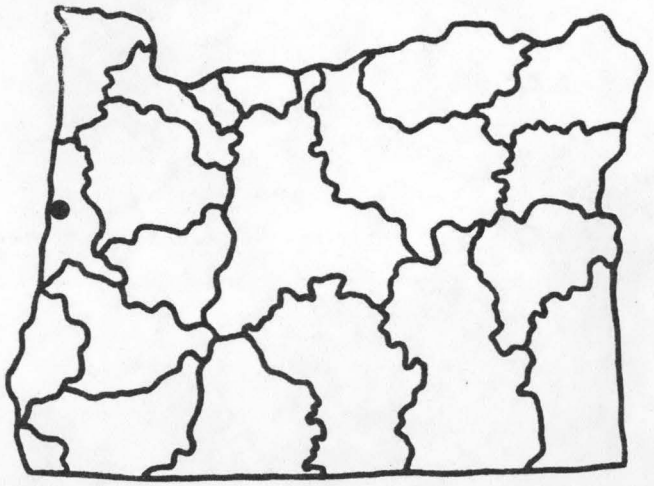
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	16.8	.05	.42	1.000
80	31.6	.09	.75	.941
50	142.3	.41	2.57	.715
30	330.3	.95	4.46	.536
10	891.9	2.57	7.30	.324

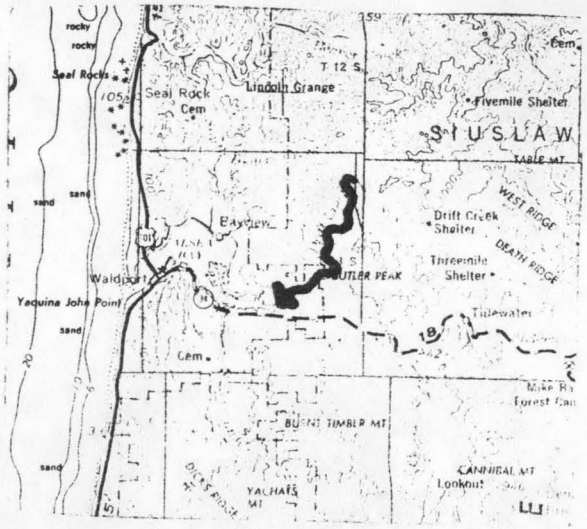
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 328 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Lincoln	
C. Township, Range	Sec.8, T13S, R10W	
D. Latitude, Longitude	44°34'N,123°55'W	
E. Stream Name	Drift Creek	
F. Major Basin Name	Mid Coast	
G. River Mile	8.5 to 15.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

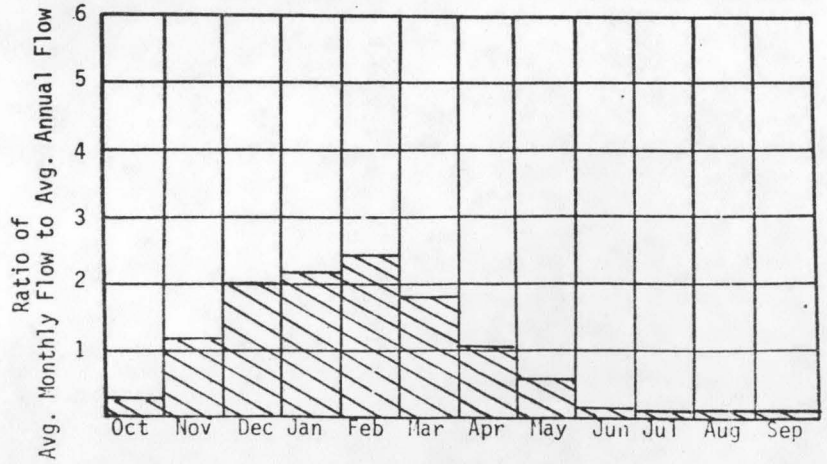
A. Upstream Elevation of Reach	238	Ft. MSL
B. Downstream Elevation of Reach	48	Ft. MSL
C. Total Available Head in Reach	190	Ft.
D. Average Slope in Reach	27.1	Ft./Mi.
E. Drainage Area above Reach Mouth	52	Sq.Mi.
F. Inflow Classification	Natural	

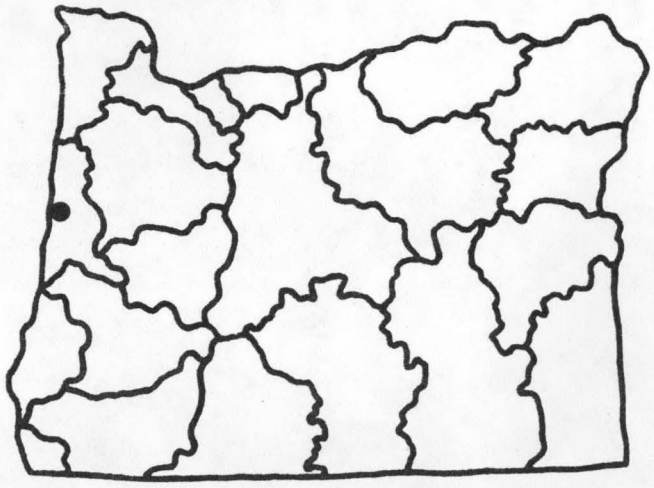
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.6	.20	1.78	1.000
80	23.9	.38	3.17	.941
50	106.7	1.72	10.76	.715
30	245.8	3.96	18.61	.537
10	660.1	10.63	30.30	.325

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 243 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Lincoln	
C. Township, Range	Sec.26, T12S, R10W	
D. Latitude, Longitude	44°29'N,123°50'W	
E. Stream Name	Drift Creek	
F. Major Basin Name	Mid Coast	
G. River Mile	15.5 to 20.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

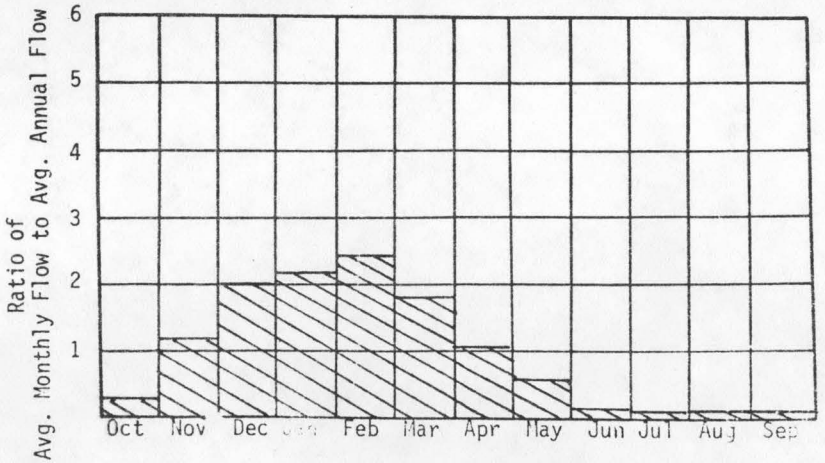
A. Upstream Elevation of Reach	416	Ft. MSL
B. Downstream Elevation of Reach	238	Ft. MSL
C. Total Available Head in Reach	178	Ft.
D. Average Slope in Reach	33.6	Ft./Mi.
E. Drainage Area above Reach Mouth	39	Sq.Mi.
F. Inflow Classification	Natural	

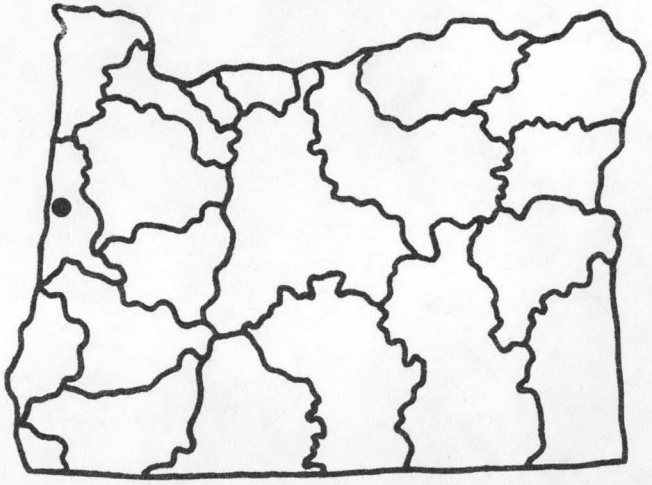
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.5	.14	1.26	1.000
80	18.2	.27	2.26	.941
50	80.4	1.21	7.60	.716
30	183.7	2.77	13.06	.538
10	490.6	7.40	21.17	.327

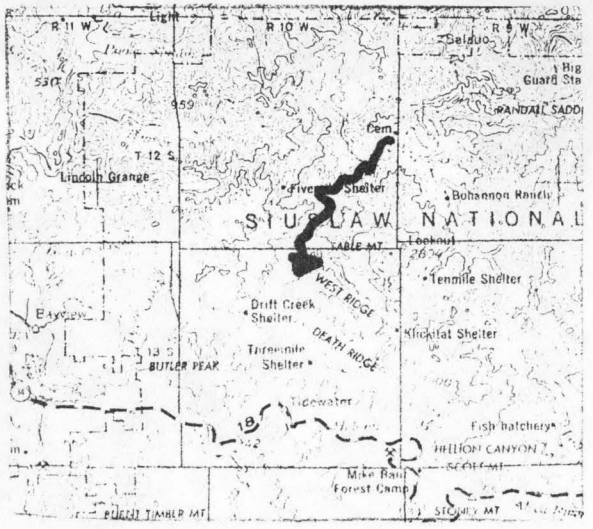
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 181 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.24, T12S, R10W
D.	Latitude, Longitude	44°32'N, 123°51'W
E.	Stream Name	Drift Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	20.8 to 23.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

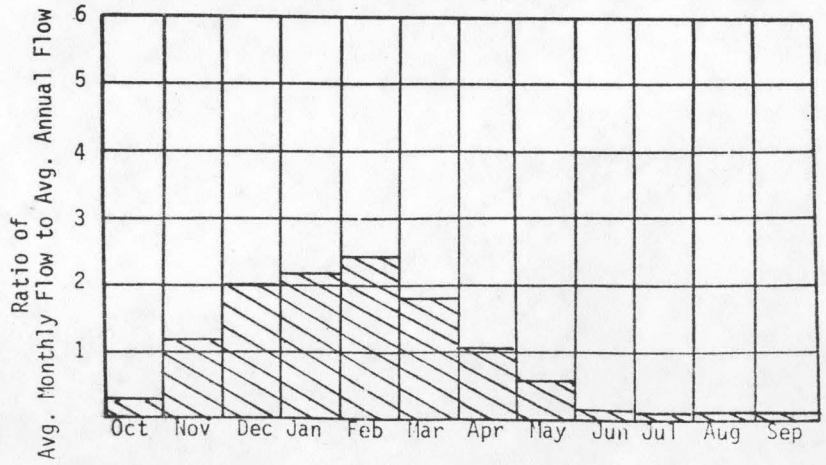
A.	Upstream Elevation of Reach	535	Ft. MSL
B.	Downstream Elevation of Reach	416	Ft. MSL
C.	Total Available Head in Reach	119	Ft.
D.	Average Slope in Reach	54.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	23	Sq.Mi.
F.	Inflow Classification	Natural	

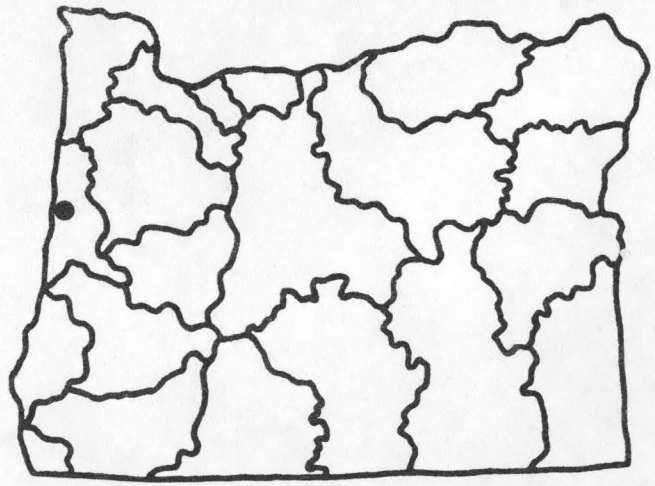
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.0	.06	.53	1.000
80	11.5	.12	.96	.940
50	50.2	.51	3.18	.716
30	113.4	1.14	5.41	.540
10	300.0	3.03	8.71	.329

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 110 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.19, T12S, R9W
D.	Latitude, Longitude	44°28'N, 123°48'W
E.	Stream Name	Drift Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	23.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

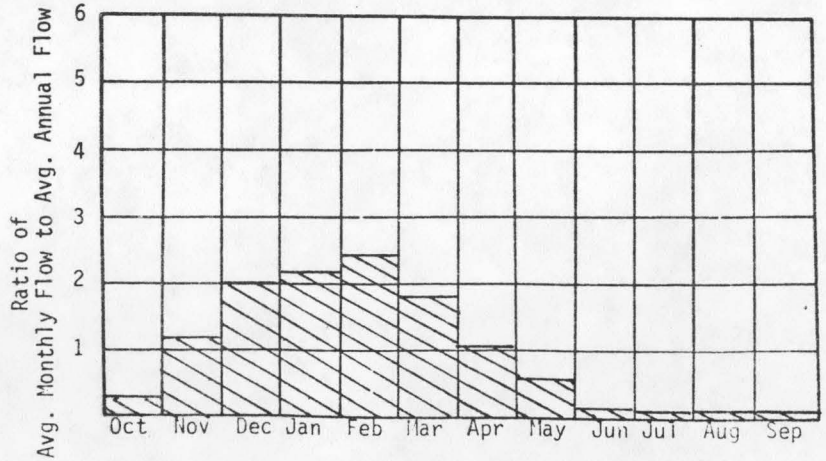
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	15	Sq.Mi.
F.	Inflow Classification	Natural	

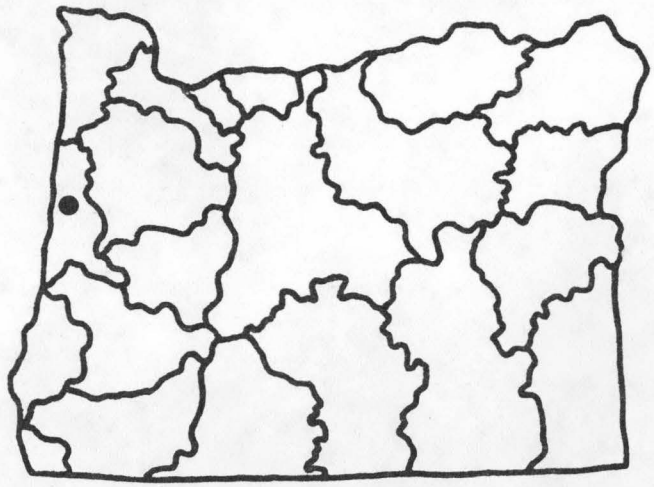
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.9	.03	.24	1.000
80	9.5	.05	.44	.940
50	41.3	.23	1.45	.717
30	92.8	.52	2.46	.541
10	244.6	1.37	3.95	.329

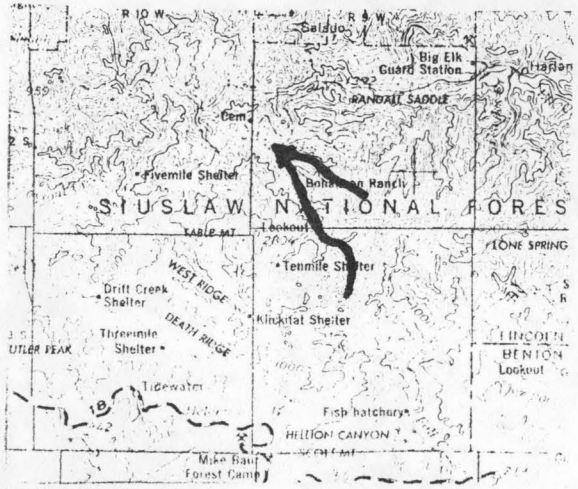
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 90 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.25, T13S, R11W
D.	Latitude, Longitude	44°25'N, 123°56'W
E.	Stream Name	Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	5.1 to 9.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

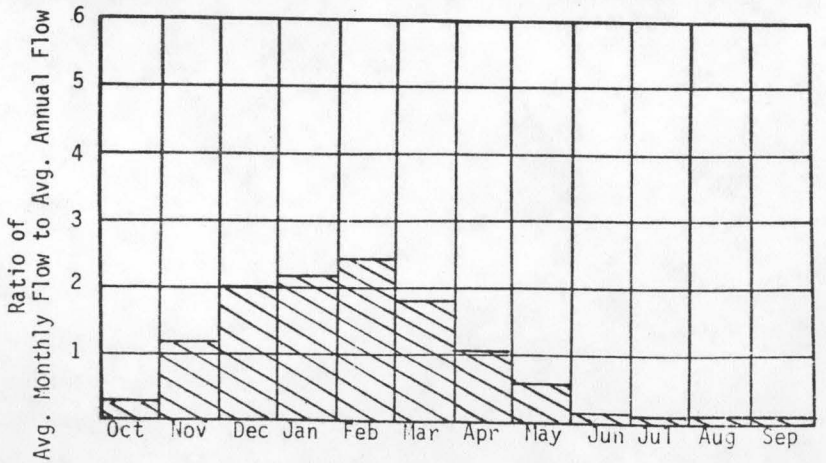
A.	Upstream Elevation of Reach	34	Ft. MSL
B.	Downstream Elevation of Reach	14	Ft. MSL
C.	Total Available Head in Reach	20	Ft.
D.	Average Slope in Reach	4.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	355	Sq.Mi.
F.	Inflow Classification	Natural	

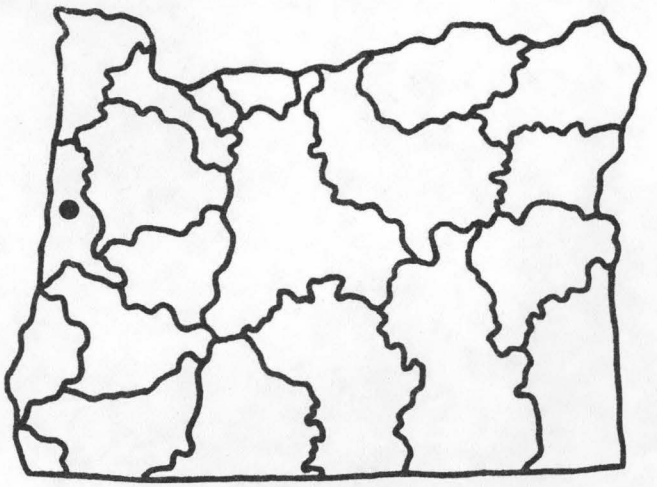
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	75.3	.13	1.12	1.000
80	137.6	.23	1.93	.943
50	646.9	1.10	6.84	.712
30	1565.3	2.65	12.30	.529
10	4354.8	7.38	20.58	.318

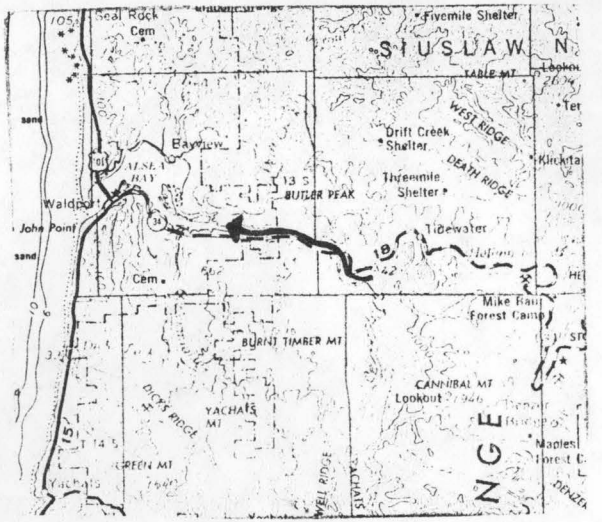
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1606 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.34, T13S, R10W
D.	Latitude, Longitude	44°24'N,123°52'W
E.	Stream Name	Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	9.7 to 18.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

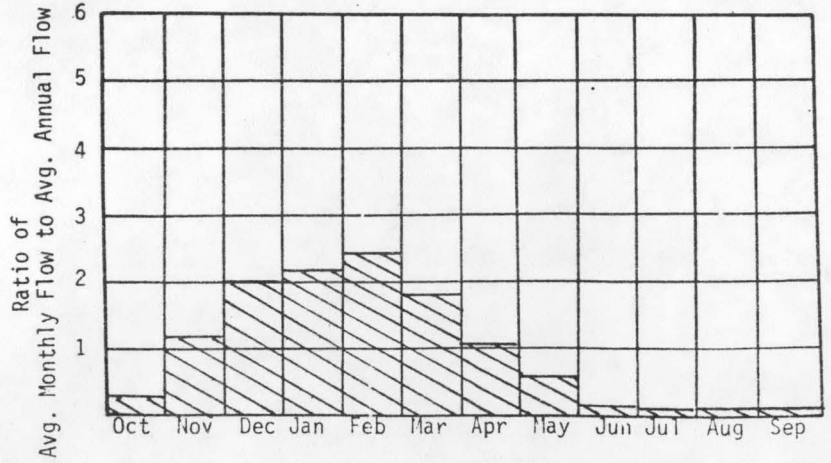
A.	Upstream Elevation of Reach	47	Ft. MSL
B.	Downstream Elevation of Reach	34	Ft. MSL
C.	Total Available Head in Reach	13	Ft.
D.	Average Slope in Reach	1.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	331	Sq.Mi.
F.	Inflow Classification	Natural	

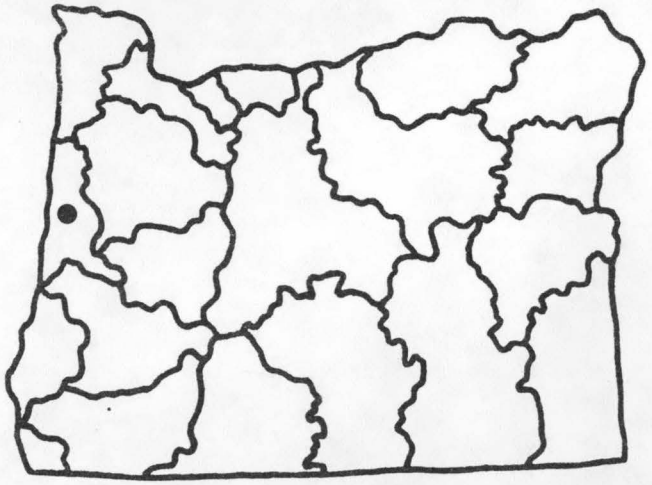
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	70.9	.08	.68	1.000
80	129.7	.14	1.18	.943
50	608.9	.67	4.19	.712
30	1470.7	1.62	7.51	.529
10	4086.9	4.50	12.56	.319

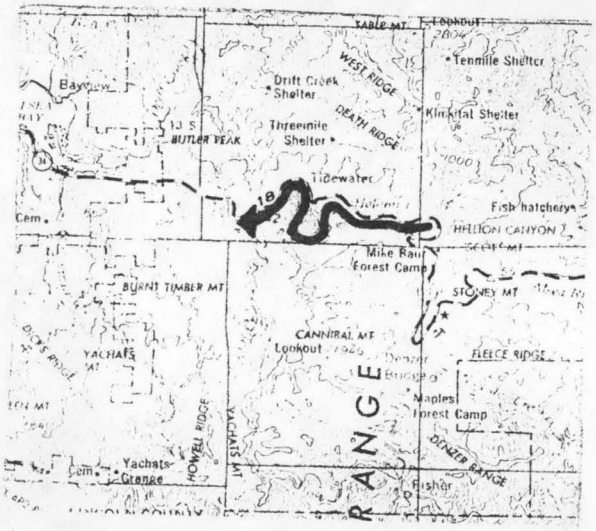
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1507 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Lincoln	
C. Township, Range	Sec.6, T14S, R9W	
D. Latitude, Longitude	44°22', 123°50'	
E. Stream Name	Alsea River	
F. Major Basin Name	Mid Coast	
G. River Mile	18.6 to 25.1	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

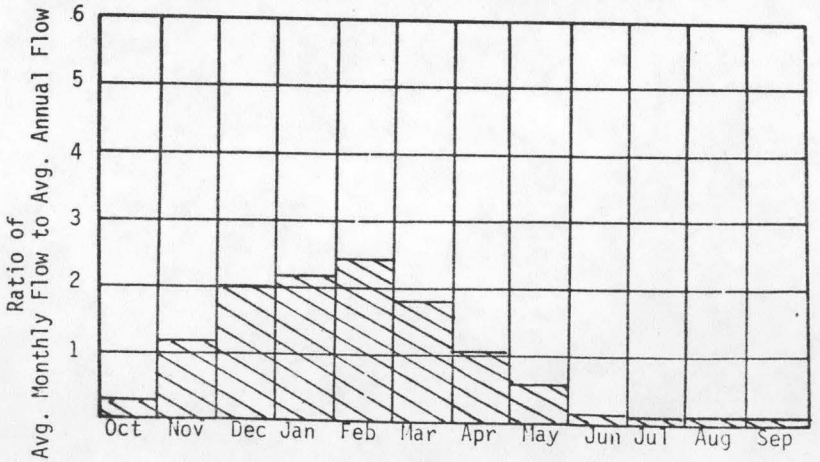
A. Upstream Elevation of Reach	88	Ft. MSL
B. Downstream Elevation of Reach	47	Ft. MSL
C. Total Available Head in Reach	41	Ft.
D. Average Slope in Reach	6.3	Ft./Mi.
E. Drainage Area above Reach Mouth	309	Sq.Mi.
F. Inflow Classification	Natural	

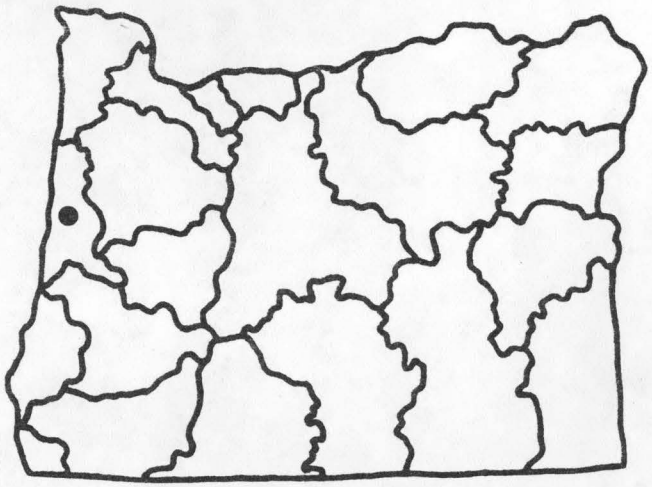
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	66.3	.23	2.02	1.000
80	121.5	.42	3.49	.943
50	569.4	1.98	12.35	.713
30	1372.9	4.77	22.13	.530
10	3810.2	13.24	36.97	.319

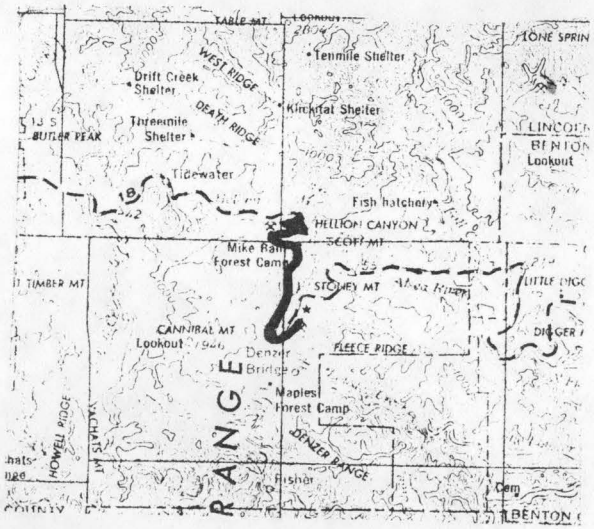
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1405 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.18, T14S, R9W
D.	Latitude, Longitude	44°21'N, 123°47'W
E.	Stream Name	Five Rivers
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 3.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

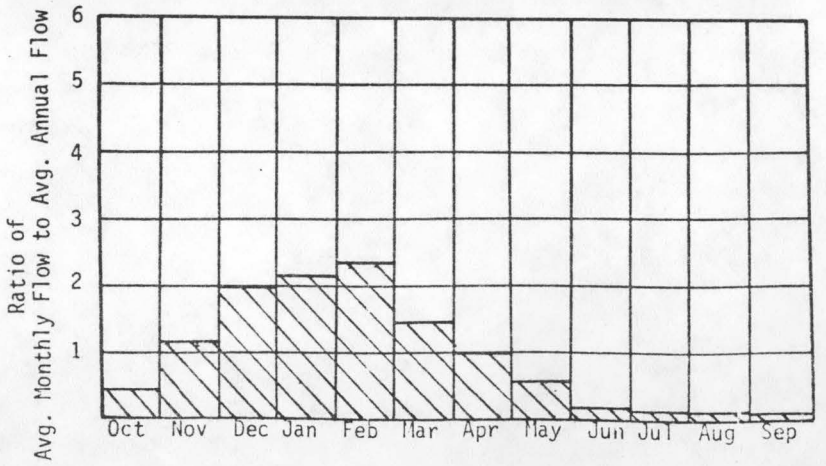
A.	Upstream Elevation of Reach	140	Ft. MSL
B.	Downstream Elevation of Reach	88	Ft. MSL
C.	Total Available Head in Reach	52	Ft.
D.	Average Slope in Reach	15.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	94	Sq.Mi.
F.	Inflow Classification	Natural	

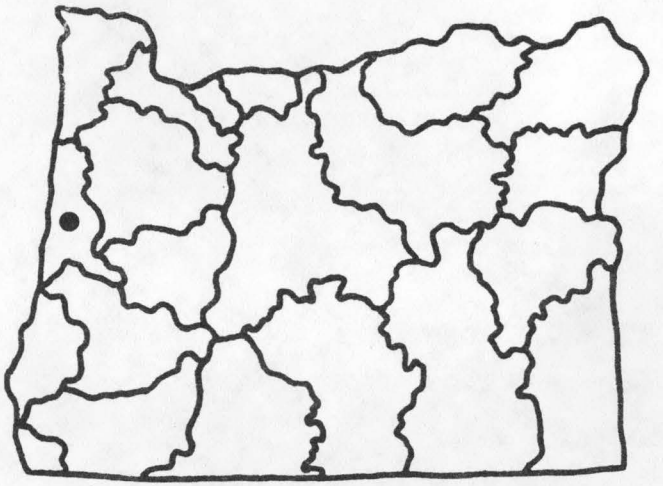
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	23.1	.10	.89	1.000
80	43.2	.19	1.57	.942
50	196.4	.87	5.42	.714
30	460.1	2.03	9.49	.534
10	1250.3	5.51	15.59	.323

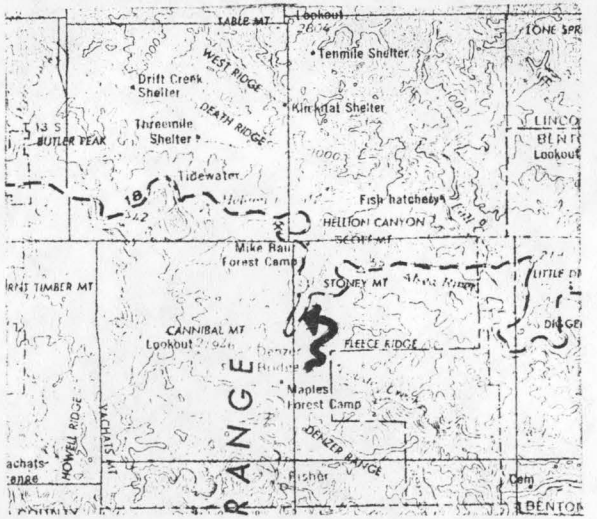
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 460 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Benton
C.	Township, Range	Sec.27, T14S, R9W
D.	Latitude, Longitude	44°19'N, 123°45'W
E.	Stream Name	Lobster Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 7.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

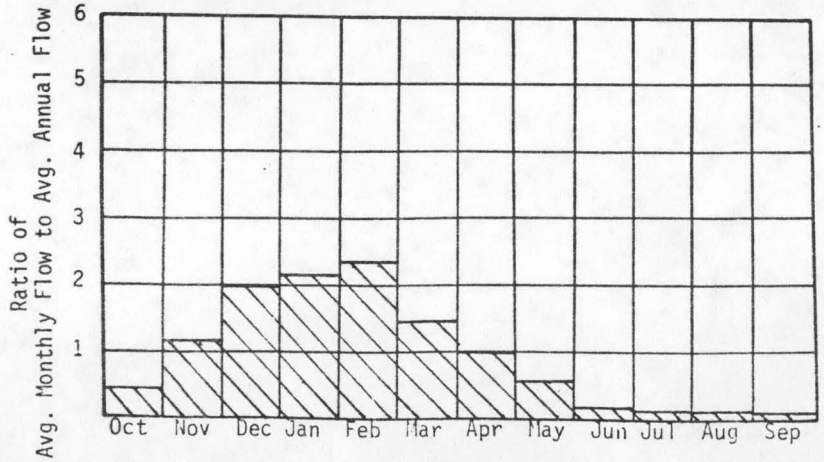
A.	Upstream Elevation of Reach	198	Ft. MSL
B.	Downstream Elevation of Reach	140	Ft. MSL
C.	Total Available Head in Reach	58	Ft.
D.	Average Slope in Reach	7.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	56	Sq.Mi.
F.	Inflow Classification	Natural	

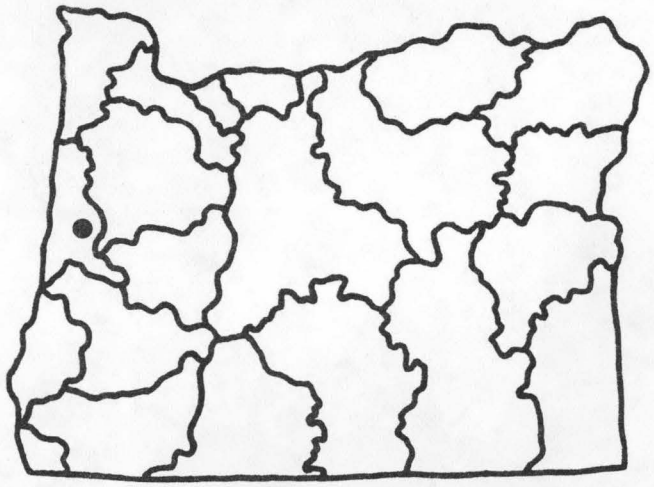
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	13.1	.06	.56	1.000
80	24.8	.12	1.01	.941
50	110.9	.55	3.41	.715
30	255.7	1.26	5.91	.537
10	687.2	3.38	9.62	.325

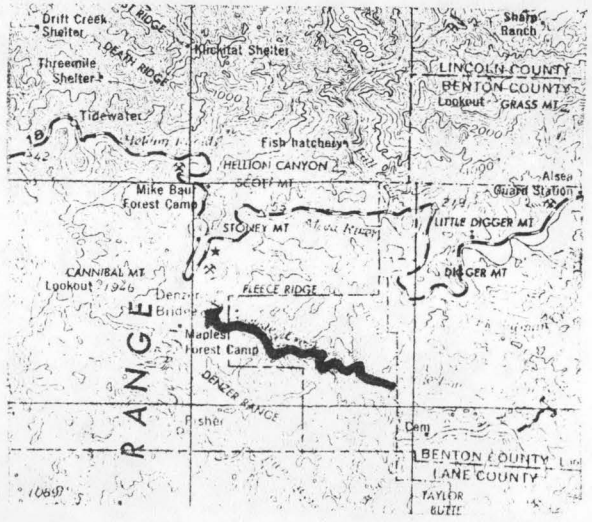
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 254 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-005-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Benton
C.	Township, Range	Sec.6, T14S, R8W
D.	Latitude, Longitude	44°21'N, 123°43'W
E.	Stream Name	Lobster Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	7.8 to 15.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

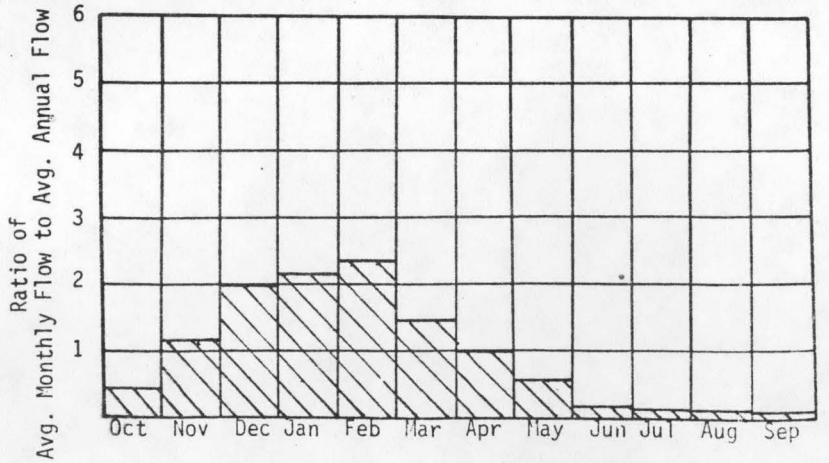
A.	Upstream Elevation of Reach	520	Ft. MSL
B.	Downstream Elevation of Reach	198	Ft. MSL
C.	Total Available Head in Reach	322	Ft.
D.	Average Slope in Reach	46	Ft./Mi.
E.	Drainage Area above Reach Mouth	33	Sq.Mi.
F.	Inflow Classification	Natural	

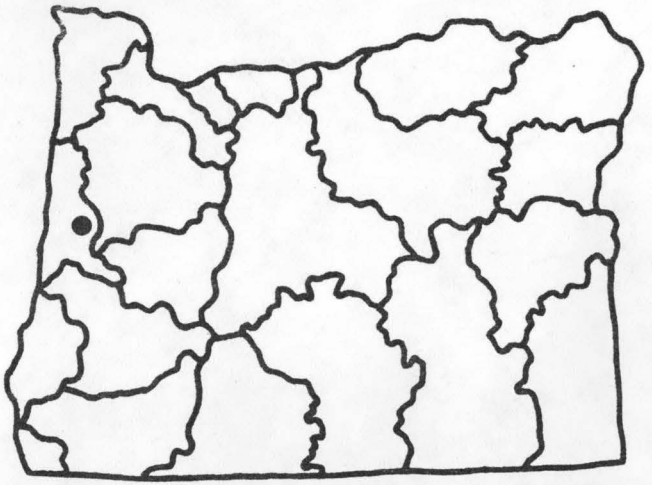
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.3	.20	1.74	1.000
80	14.0	.38	3.14	.940
50	61.4	1.67	10.50	.716
30	139.3	3.80	17.95	.539
10	369.9	10.09	28.98	.328

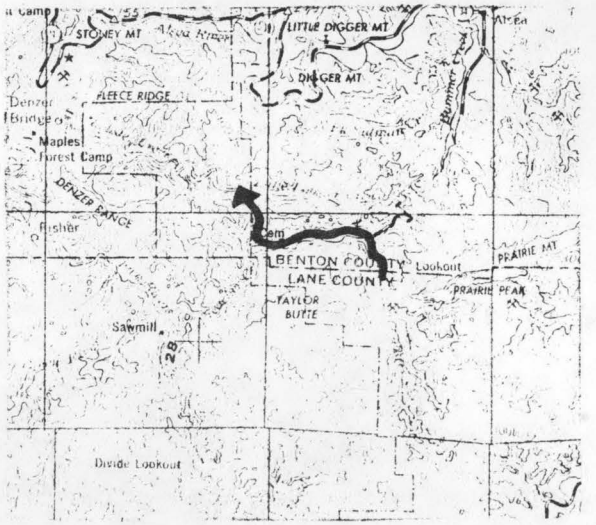
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 136 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-005-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Benton-Lane
C.	Township, Range	Sec.9, T15S, R8W
D.	Latitude, Longitude	44°17'N, 123°42'W
E.	Stream Name	Lobster Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	15.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

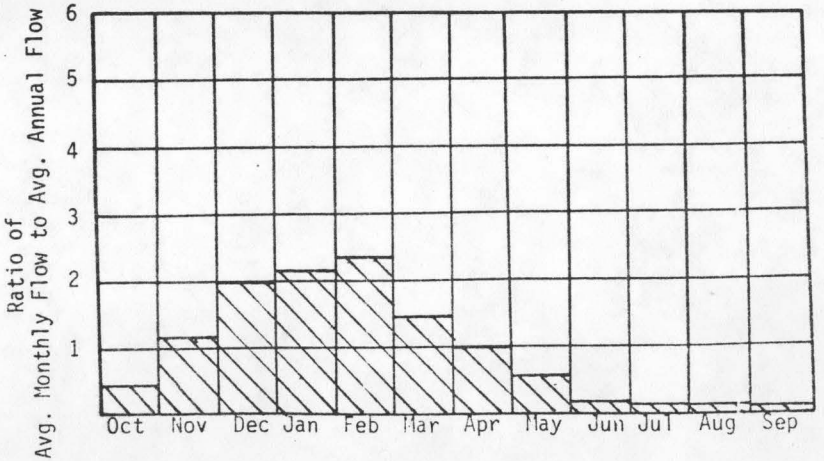
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	16	Sq.Mi.
F.	Inflow Classification	Natural	

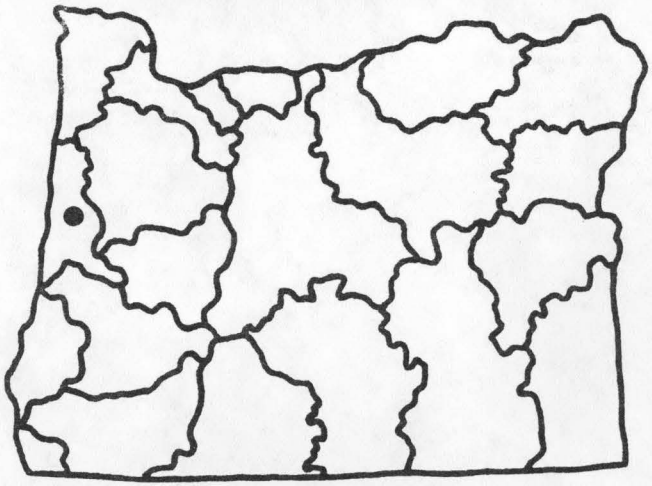
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.1	.03	.25	1.000
80	9.9	.06	.45	.940
50	42.9	.24	1.51	.717
30	96.4	.54	2.56	.541
10	254.3	1.42	4.10	.329

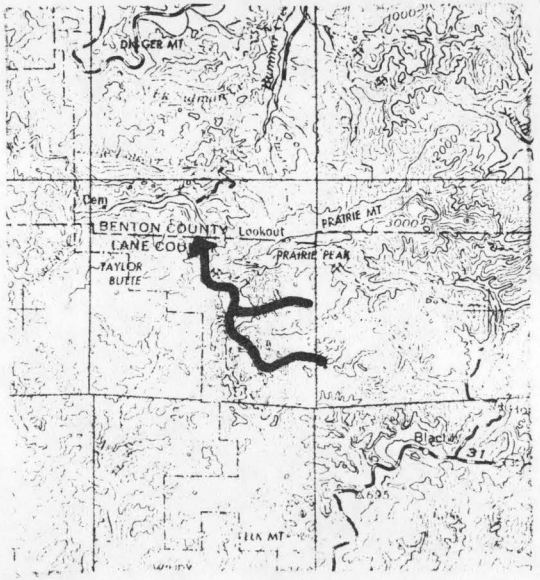
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 94 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.25, T14S, R10W
D.	Latitude, Longitude	44°19'N, 123°52'W
E.	Stream Name	Five Rivers
F.	Major Basin Name	Mid Coast
G.	River Mile	3.3 to 9.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

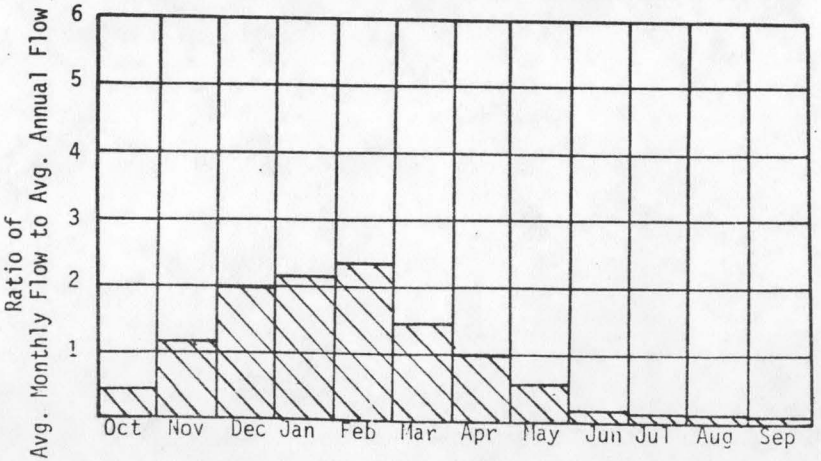
A.	Upstream Elevation of Reach	195	Ft. MSL
B.	Downstream Elevation of Reach	140	Ft. MSL
C.	Total Available Head in Reach	55	Ft.
D.	Average Slope in Reach	9.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	61	Sq.Mi.
F.	Inflow Classification	Natural	

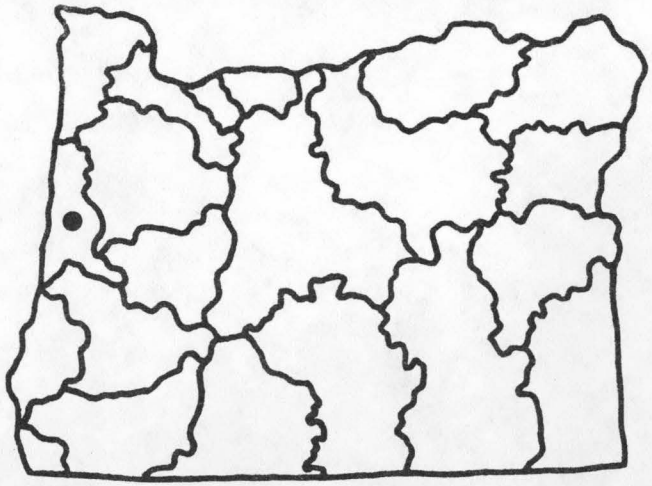
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.1	.07	.61	1.000
80	28.5	.13	1.09	.941
50	127.7	.60	3.73	.715
30	295.6	1.38	6.47	.536
10	796.5	3.71	10.56	.325

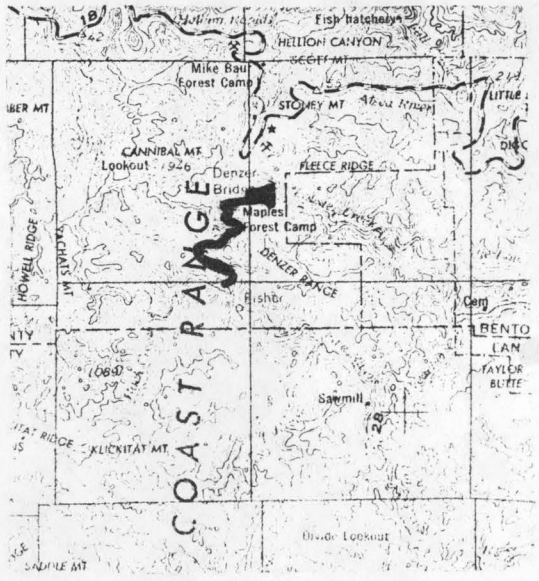
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 294 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lincoln-Lane
C.	Township, Range	Sec.6, T15S, R10W
D.	Latitude, Longitude	44°17'N, 123°47'W
E.	Stream Name	Five Rivers
F.	Major Basin Name	Mid Coast
G.	River Mile	9.5 to 14.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

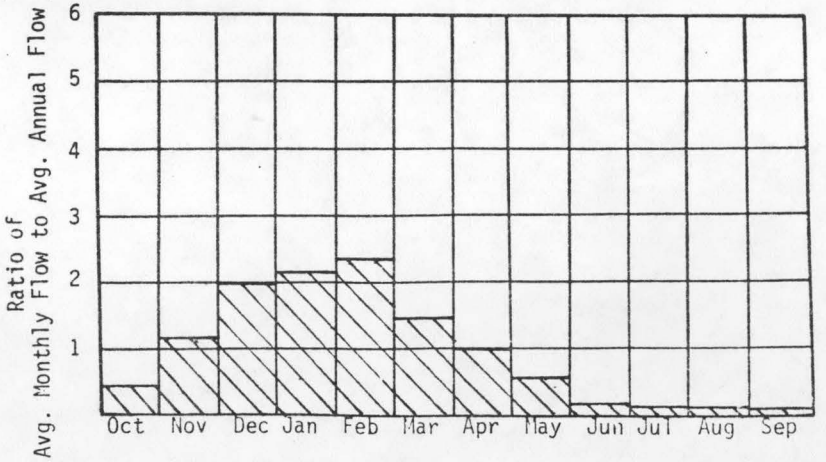
A.	Upstream Elevation of Reach	245	Ft. MSL
B.	Downstream Elevation of Reach	195	Ft. MSL
C.	Total Available Head in Reach	50	Ft.
D.	Average Slope in Reach	10	Ft./Mi.
E.	Drainage Area above Reach Mouth	39	Sq.Mi.
F.	Inflow Classification	Natural	

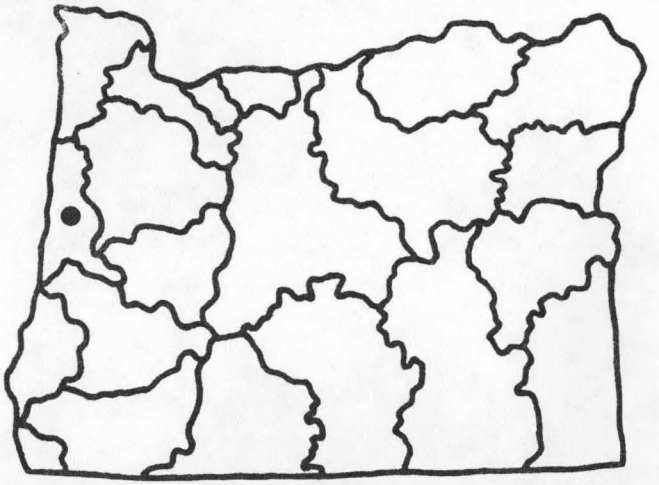
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.6	.04	.32	1.000
80	16.5	.07	.58	.940
50	72.8	.31	1.93	.716
30	166.0	.70	3.32	.539
10	442.3	1.87	5.37	.327

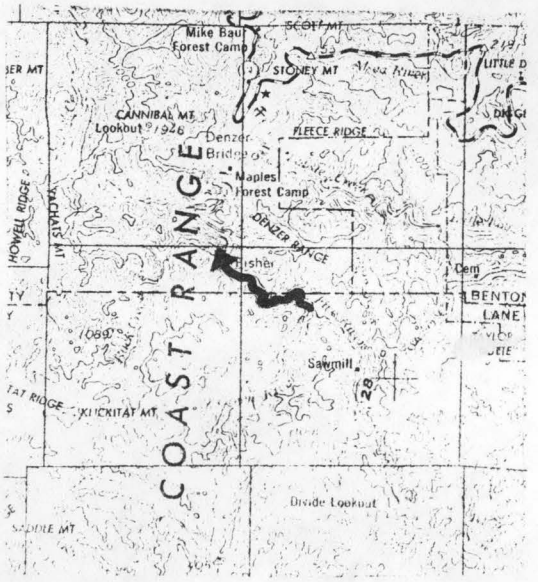
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 163 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.8, T15S, R9W
D.	Latitude, Longitude	44°14'N, 123°47'W
E.	Stream Name	Five Rivers
F.	Major Basin Name	Mid Coast
G.	River Mile	14.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

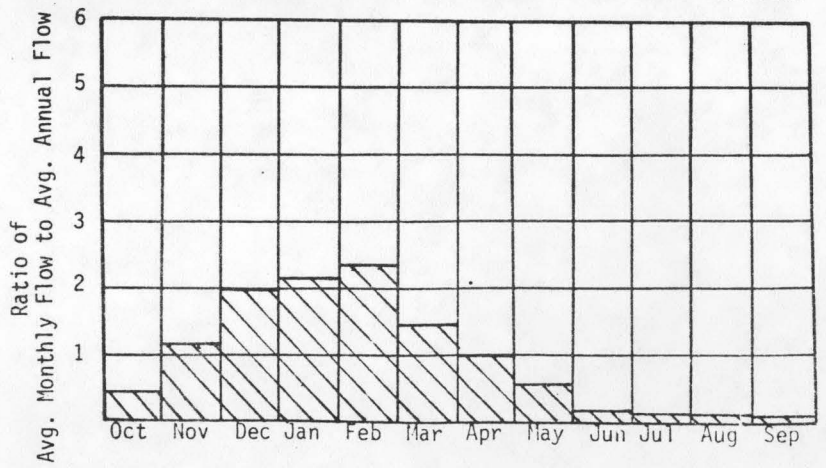
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	21	Sq.Mi.
F.	Inflow Classification	Natural	

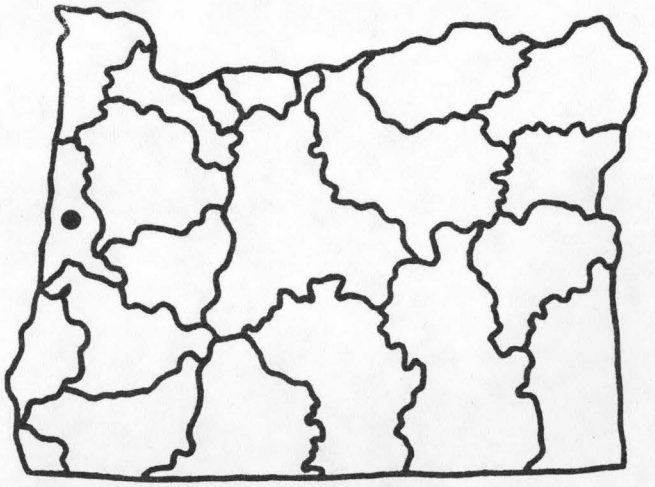
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.3	.04	.31	1.000
80	12.1	.07	.56	.940
50	53.1	.30	1.86	.716
30	120.0	.67	3.17	.540
10	317.8	1.78	5.11	.328

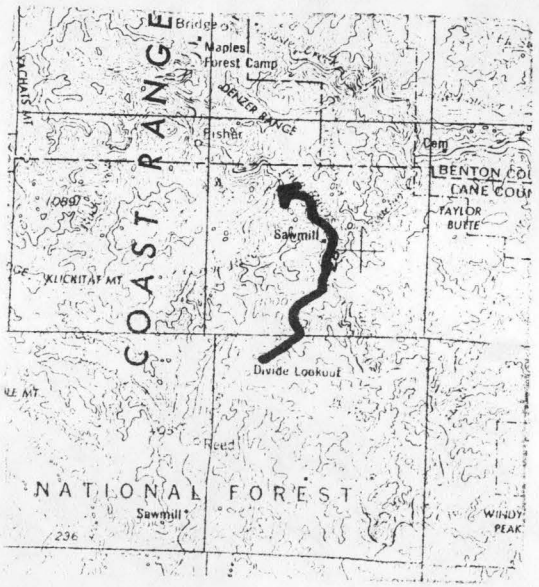
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 117 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

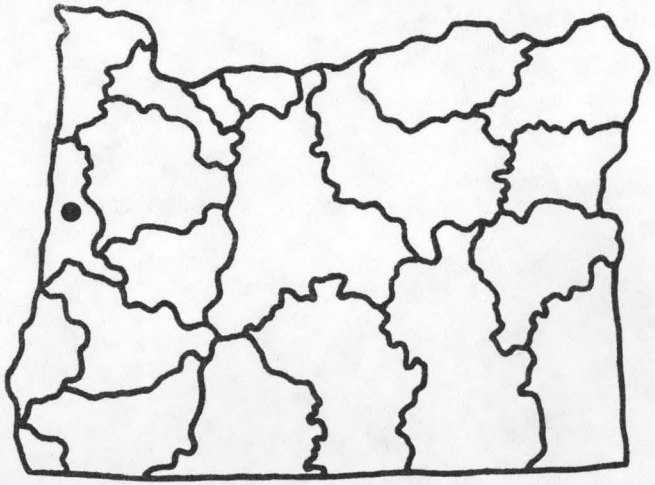


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.4, T14S, R9W
D.	Latitude, Longitude	44°18'N, 123°46'W
E.	Stream Name	Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	25.1 to 32.2



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

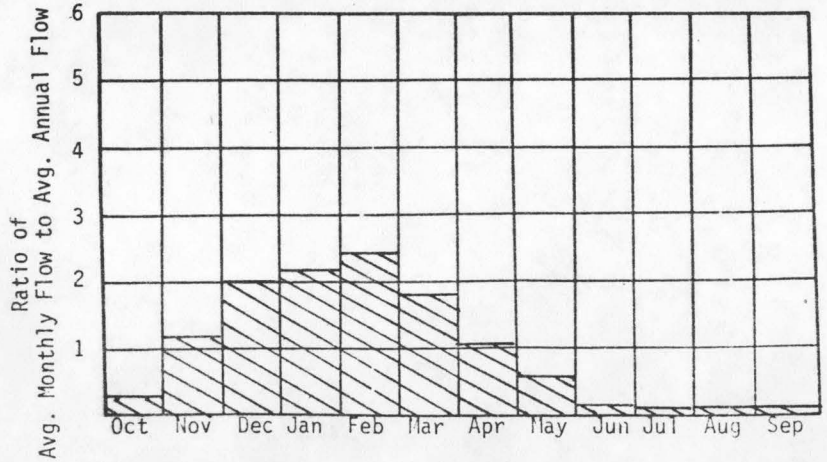
A.	Upstream Elevation of Reach	180	Ft. MSL
B.	Downstream Elevation of Reach	88	Ft. MSL
C.	Total Available Head in Reach	92	Ft.
D.	Average Slope in Reach	13.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	202	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

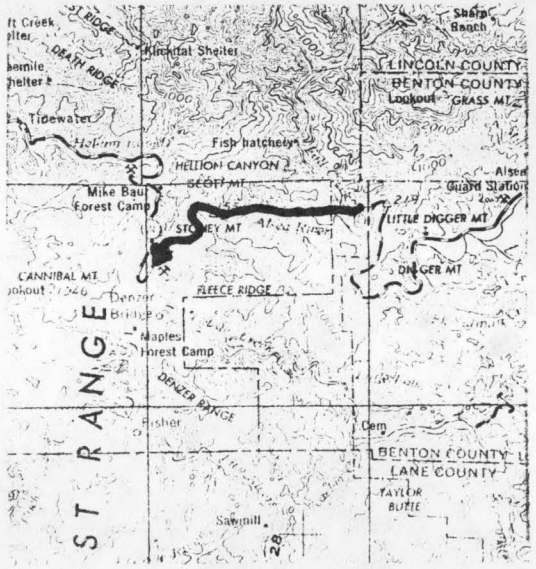
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	45.2	.35	3.09	1.000
80	83.5	.65	5.38	.943
50	386.9	3.02	18.84	.713
30	923.0	7.20	33.49	.531
10	2542.1	19.82	55.61	.320

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 938 CFS



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-036-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.26, T13S, R9W
D.	Latitude, Longitude	44°24'N, 123°45'W
E.	Stream Name	Fall Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 5.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

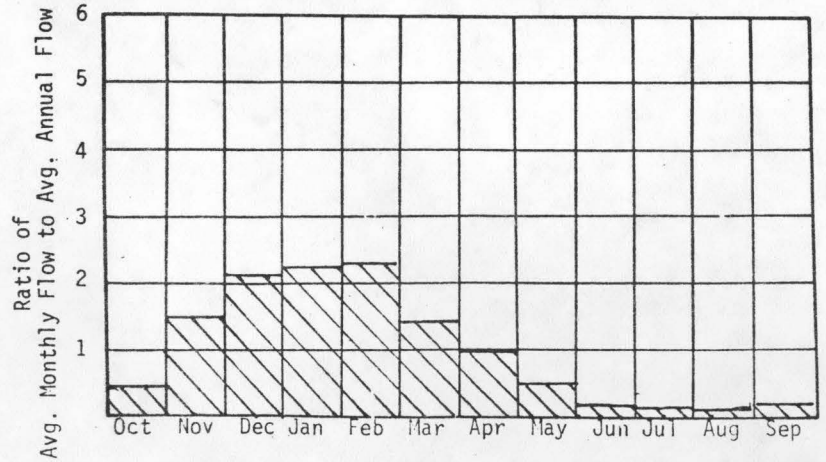
A.	Upstream Elevation of Reach	325	Ft. MSL
B.	Downstream Elevation of Reach	180	Ft. MSL
C.	Total Available Head in Reach	145	Ft.
D.	Average Slope in Reach	25.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	2.9	Sq.Mi.
F.	Inflow Classification	Natural	

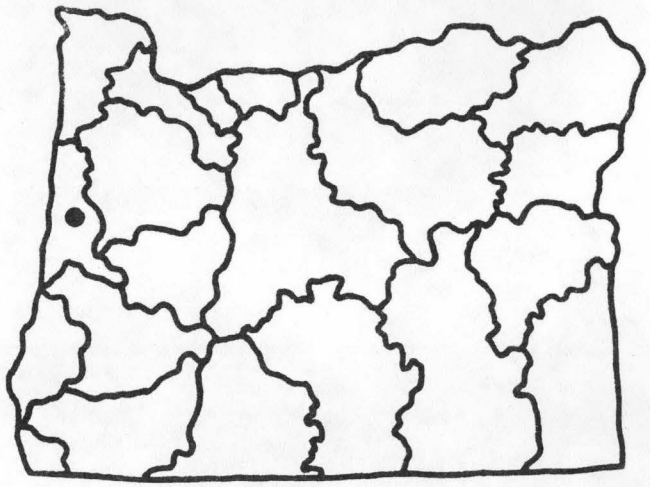
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.8	.08	.74	1.000
80	13.1	.16	1.33	.940
50	57.5	.71	4.43	.716
30	130.3	1.60	7.57	.540
10	345.5	4.25	12.20	.328

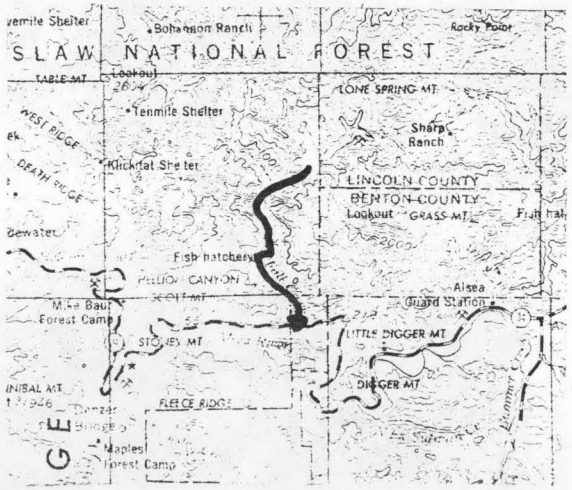
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 175 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-036-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.23. T13S. R8W
D.	Latitude, Longitude	44°27'N. 123°43'W
E.	Stream Name	Fall Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	5.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

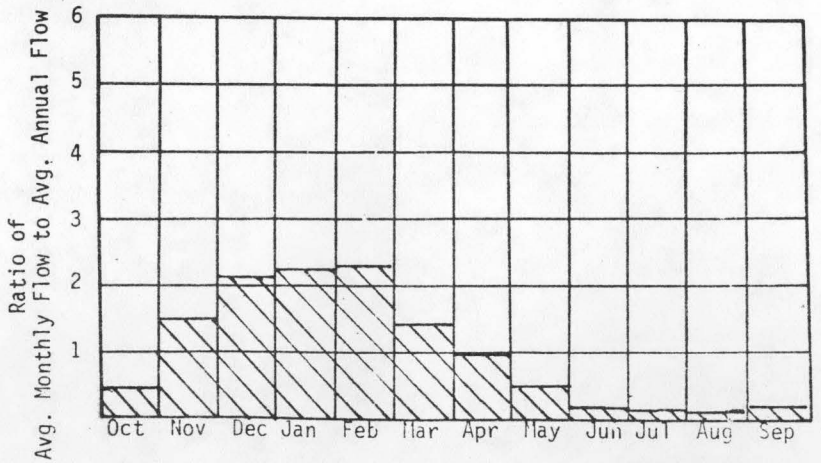
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	17	Sq.Mi.
F.	Inflow Classification	Natural	

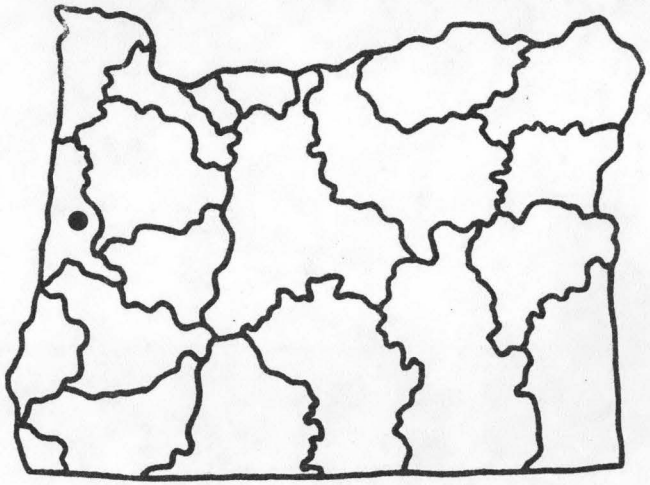
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.2	.03	.25	1.000
80	10.0	.06	.46	.940
50	43.4	.24	1.52	.717
30	97.5	.55	2.58	.541
10	257.2	1.44	4.15	.329

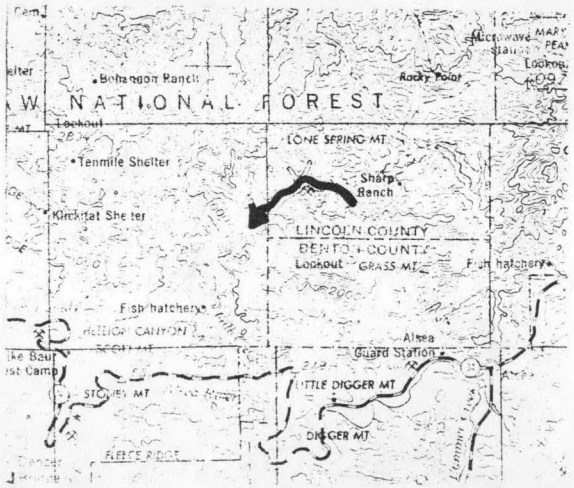
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 95 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Benton
C.	Township, Range	Sec.13, T14S, R8W
D.	Latitude, Longitude	44°21'N, 123°42'W
E.	Stream Name	Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	32.2 to 42.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

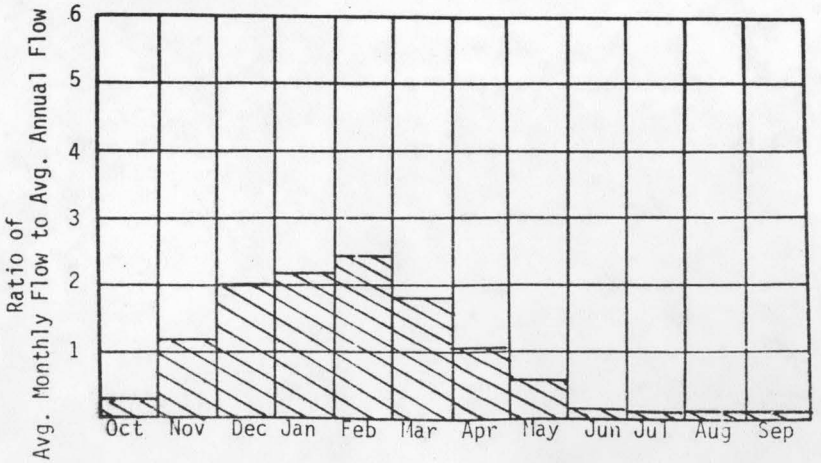
A.	Upstream Elevation of Reach	238	Ft. MSL
B.	Downstream Elevation of Reach	180	Ft. MSL
C.	Total Available Head in Reach	58	Ft.
D.	Average Slope in Reach	5.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	164	Sq.Mi.
F.	Inflow Classification	Natural	

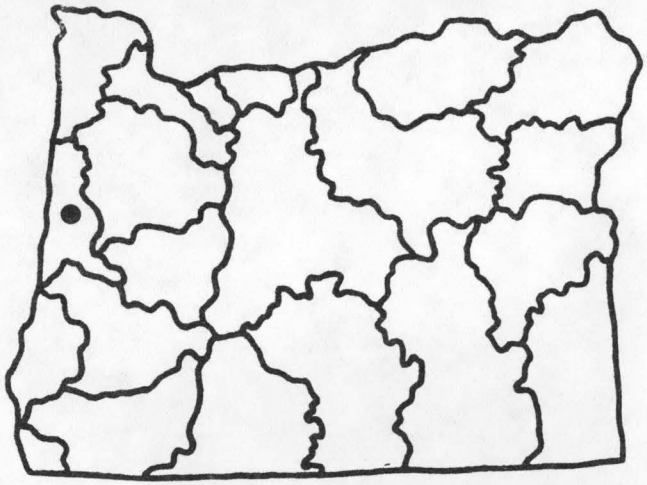
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	36.1	.18	1.56	1.000
80	67.1	.33	2.72	.942
50	308.7	1.52	9.48	.714
30	732.0	3.60	16.77	.532
10	2007.1	9.87	27.76	.321

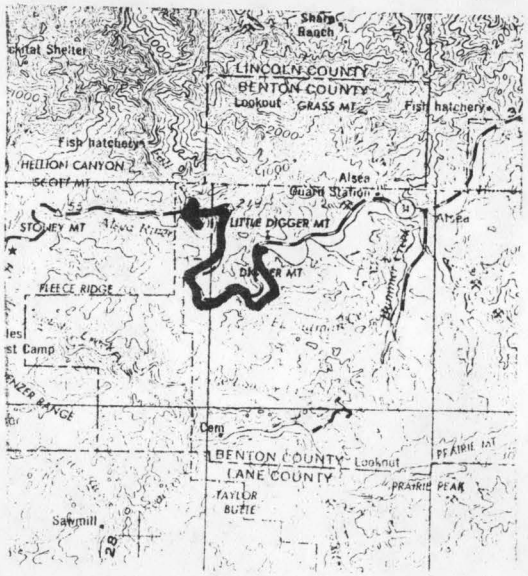
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 740 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Benton
C.	Township, Range	Sec.10, T14S, R8W
D.	Latitude, Longitude	44°23'N, 123°37'W
E.	Stream Name	Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	42.0 to 49.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

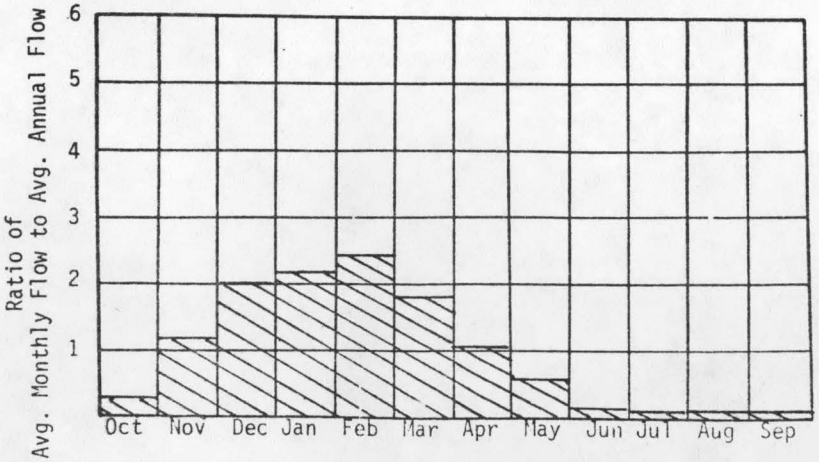
A.	Upstream Elevation of Reach	278	Ft. MSL
B.	Downstream Elevation of Reach	238	Ft. MSL
C.	Total Available Head in Reach	40	Ft.
D.	Average Slope in Reach	5.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	146	Sq.Mi.
F.	Inflow Classification	Natural	

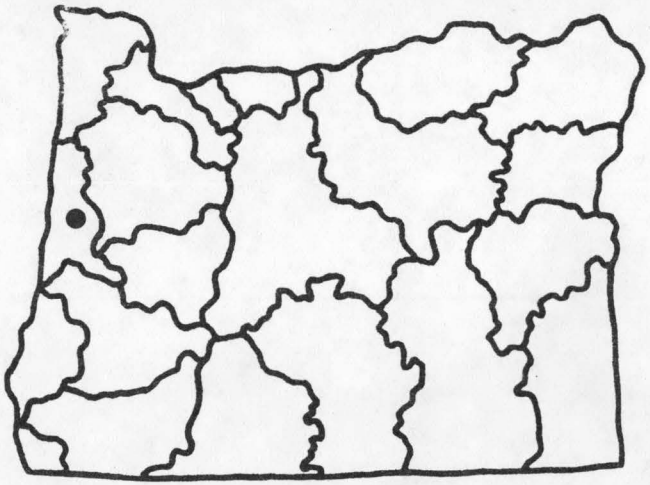
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	32.3	.11	.96	1.000
80	60.0	.20	1.68	.942
50	275.4	.93	5.84	.714
30	651.0	2.21	10.30	.533
10	1781.0	6.04	17.01	.322

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 656 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-041-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Benton
C.	Township, Range	Sec.20, T14S, R7W
D.	Latitude, Longitude	44°20'N, 123°32'W
E.	Stream Name	South Fork Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 9.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

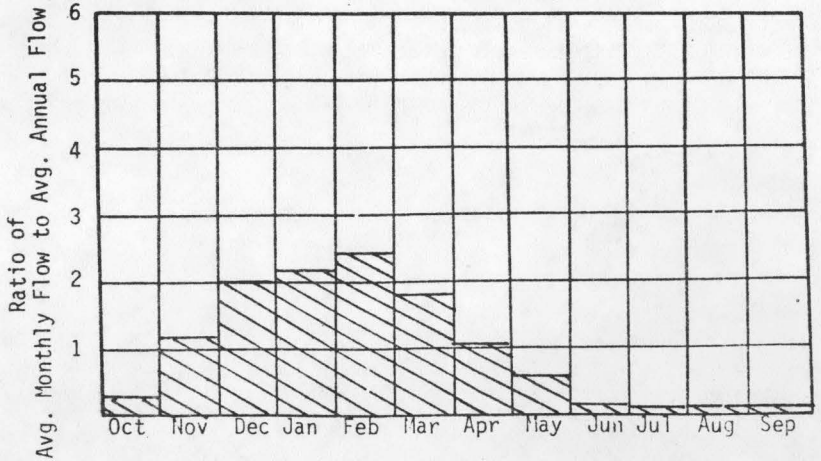
A.	Upstream Elevation of Reach	749	Ft. MSL
B.	Downstream Elevation of Reach	278	Ft. MSL
C.	Total Available Head in Reach	471	Ft.
D.	Average Slope in Reach	51.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	48	Sq.Mi.
F.	Inflow Classification	Natural	

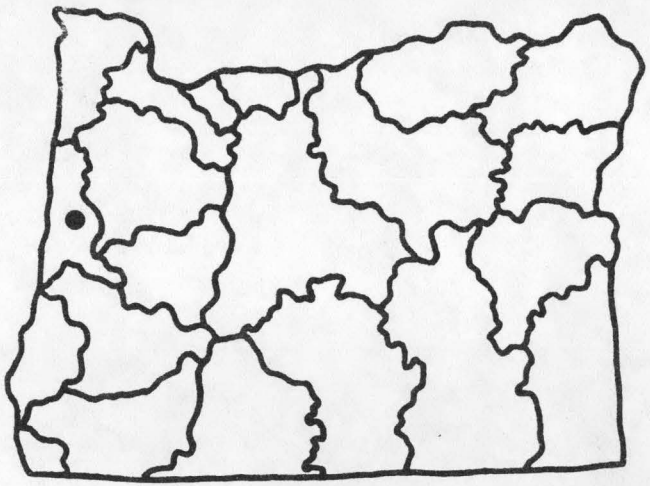
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.5	.38	3.32	1.000
80	18.1	.72	5.96	.941
50	80.3	3.20	20.08	.716
30	183.5	7.32	34.52	.538
10	489.9	19.55	55.94	.327

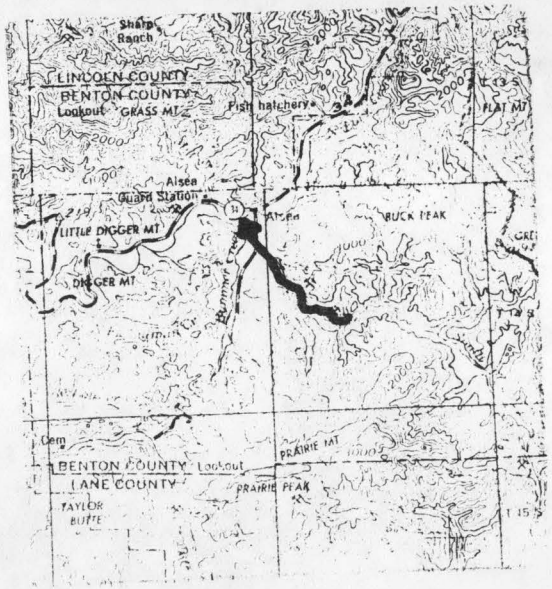
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 180 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-041-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Benton-Lane
C.	Township, Range	Sec.26, T14S, R7W
D.	Latitude, Longitude	44°18'N, 123°30'W
E.	Stream Name	South Fork Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	9.1 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

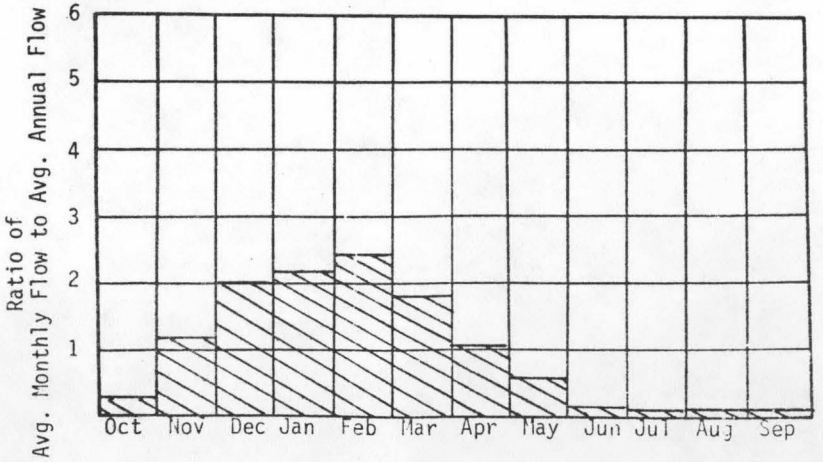
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	2.1	Sq.Mi.
F.	Inflow Classification	Natural	

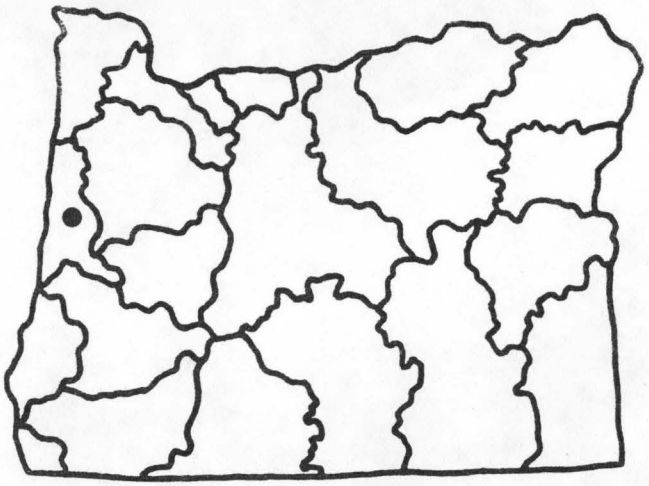
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.8	.03	.23	1.000
80	9.2	.05	.42	.940
50	39.9	.22	1.40	.717
30	89.5	.50	2.37	.541
10	235.8	1.32	3.81	.330

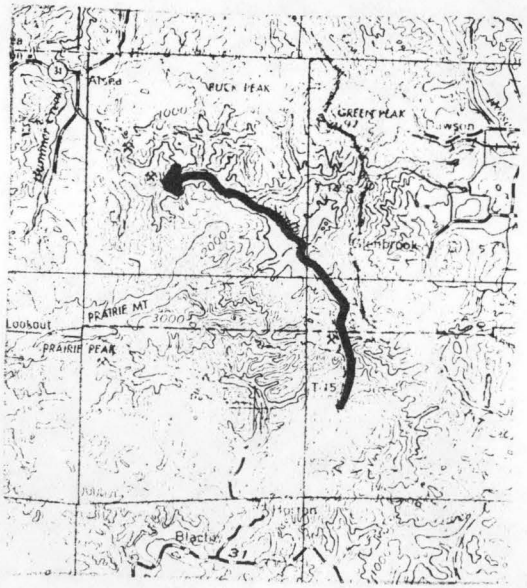
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 87 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Benton
C.	Township, Range	Sec.32, T13S, R7W
D.	Latitude, Longitude	44°23'N, 123°32'W
E.	Stream Name	North Fork Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 4.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

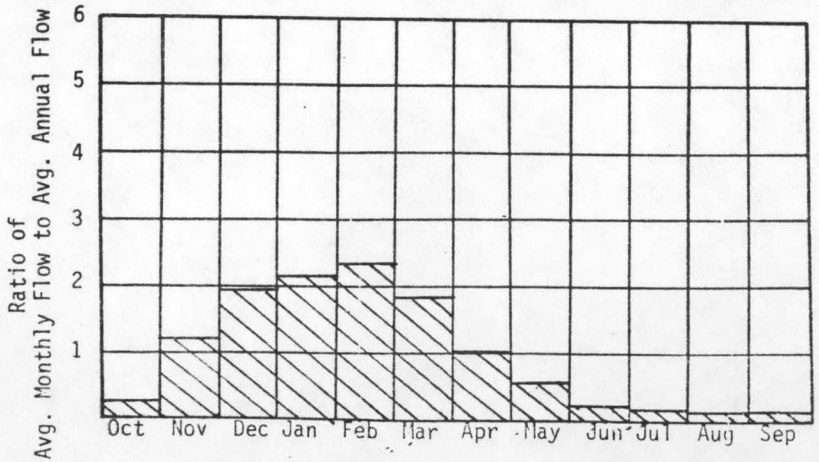
A.	Upstream Elevation of Reach	330	Ft. MSL
B.	Downstream Elevation of Reach	278	Ft. MSL
C.	Total Available Head in Reach	52	Ft.
D.	Average Slope in Reach	11.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	67	Sq.Mi.
F.	Inflow Classification	Natural	

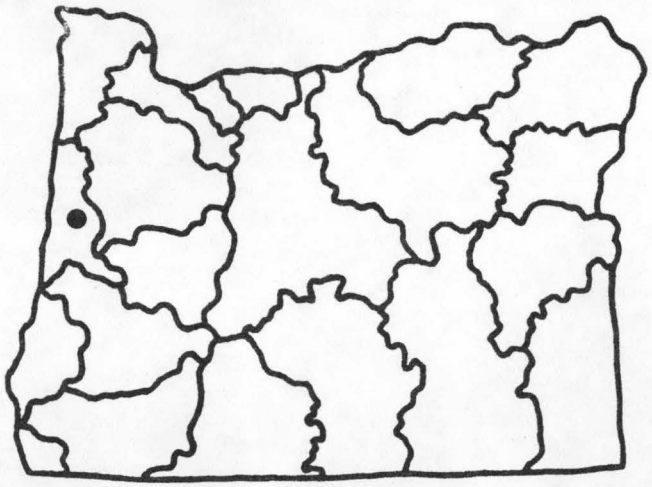
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	16.4	.07	.63	1.000
80	31.0	.14	1.13	.941
50	139.5	.61	3.85	.715
30	323.6	1.43	6.69	.536
10	873.5	3.85	10.94	.324

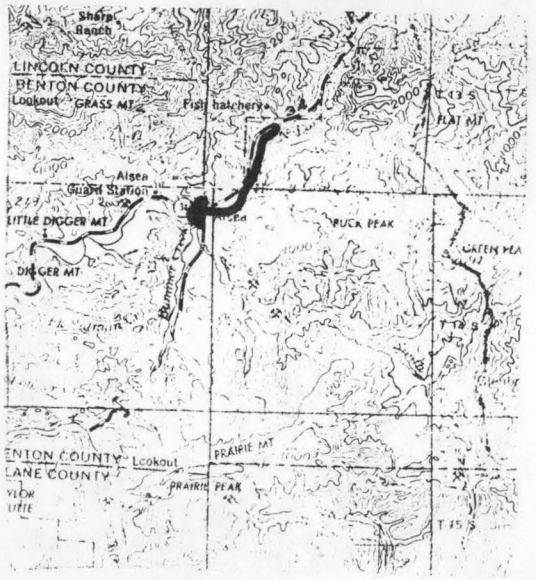
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 322 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-022-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Benton
C.	Township, Range	Sec.21, T13S, R7W
D.	Latitude, Longitude	44°25'N 123°34'W
E.	Stream Name	Crooked Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 1.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

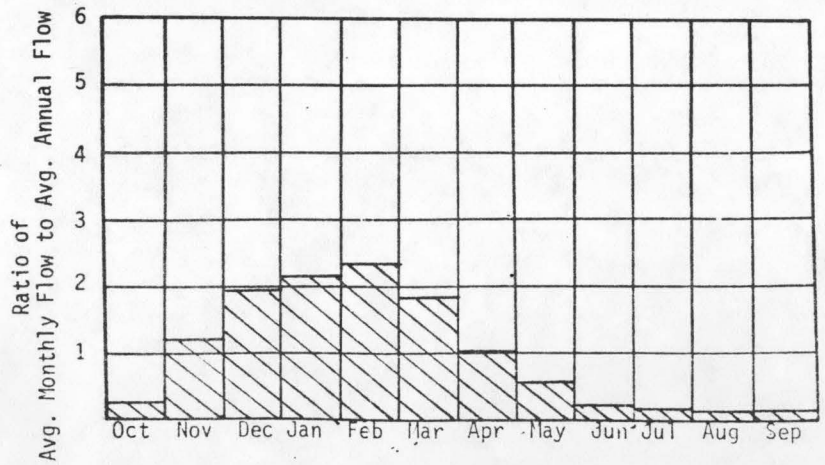
A.	Upstream Elevation of Reach	400	Ft. MSL
B.	Downstream Elevation of Reach	330	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	46.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	19	Sq.Mi.
F.	Inflow Classification	Natural	

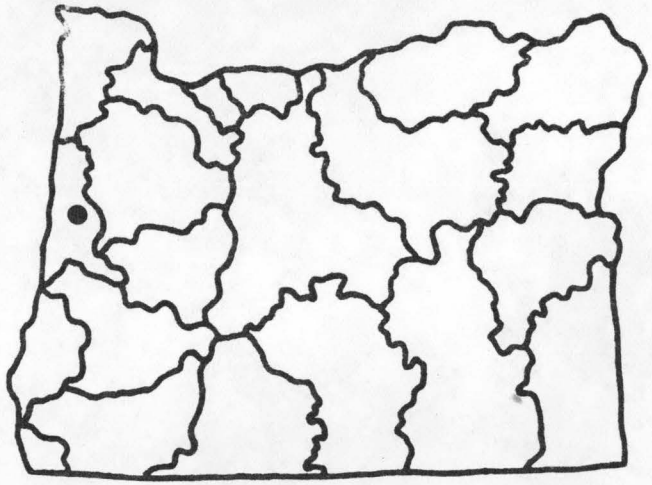
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.2	.03	.27	1.000
80	10.1	.06	.49	.940
50	44.0	.26	1.64	.717
30	98.9	.59	2.78	.541
10	260.9	1.55	4.46	.329

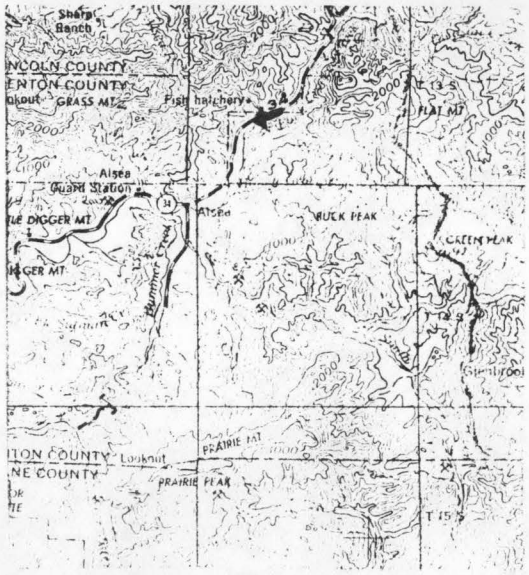
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 96 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-022-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Benton
C.	Township, Range	Sec.21, T13S, R7W
D.	Latitude, Longitude	44°27'N, 123°31'W
E.	Stream Name	Crooked Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	1.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

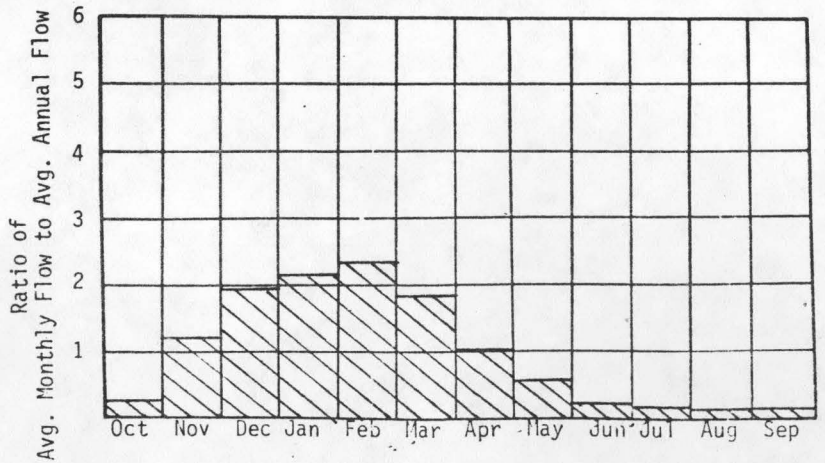
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

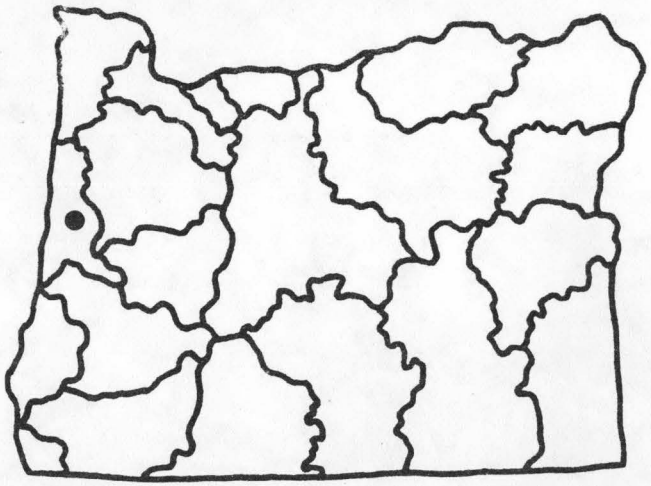
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.6	.03	.22	1.000
80	8.8	.05	.41	.940
50	38.2	.21	1.34	.717
30	85.6	.48	2.27	.541
10	225.3	1.26	3.64	.330

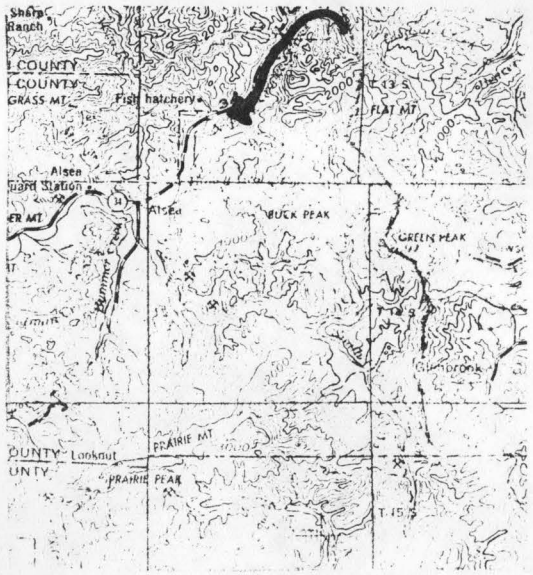
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 83 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Benton-Lincoln	
C. Township, Range	Sec.24, T13S, R7W	
D. Latitude, Longitude	44°26'N, 123°35'W	
E. Stream Name	North Fork Alsea River	
F. Major Basin Name	Mid Coast	
G. River Mile	4.5 to 10.7	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

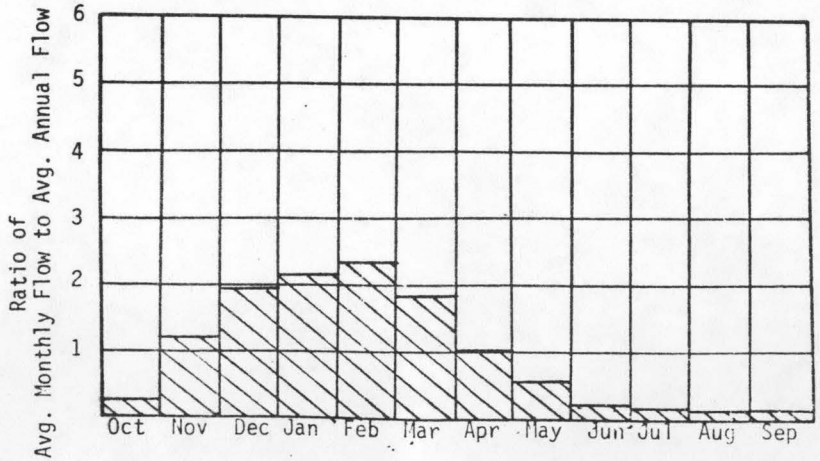
A. Upstream Elevation of Reach	840	Ft. MSL
B. Downstream Elevation of Reach	330	Ft. MSL
C. Total Available Head in Reach	510	Ft.
D. Average Slope in Reach	82.3	Ft./Mi.
E. Drainage Area above Reach Mouth	34	Sq.Mi.
F. Inflow Classification	Natural	

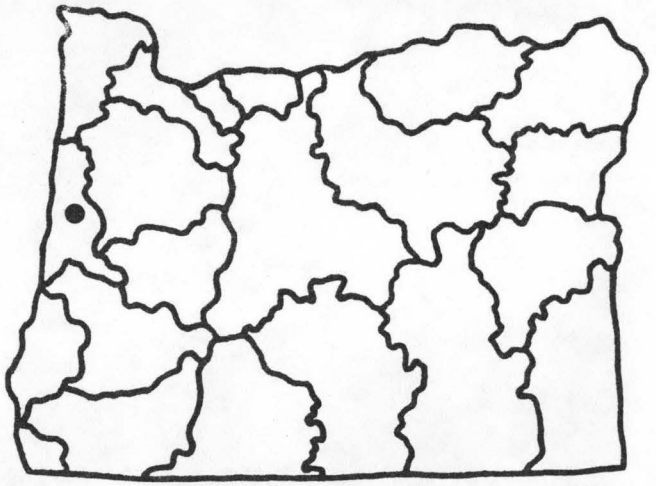
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.7	.38	3.29	1.000
80	16.6	.72	5.90	.940
50	73.2	3.17	19.85	.716
30	167.0	7.22	34.05	.538
10	445.1	19.24	55.11	.327

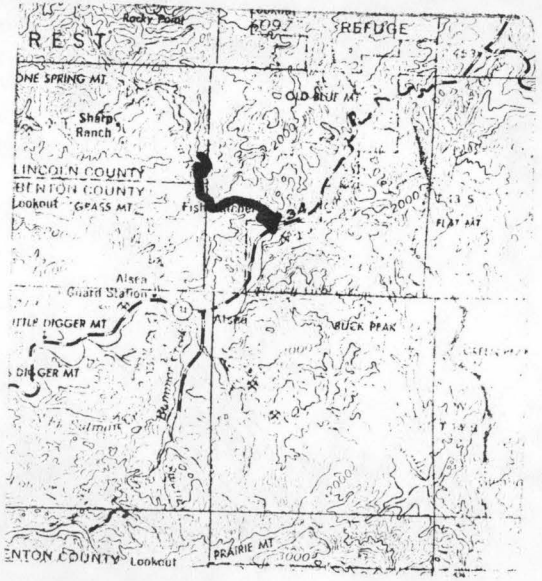
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 164 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec.12, T13S, R8W
D.	Latitude, Longitude	44°28'N, 123°38'W
E.	Stream Name	North Fork Alsea River
F.	Major Basin Name	Mid Coast
G.	River Mile	10.7 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

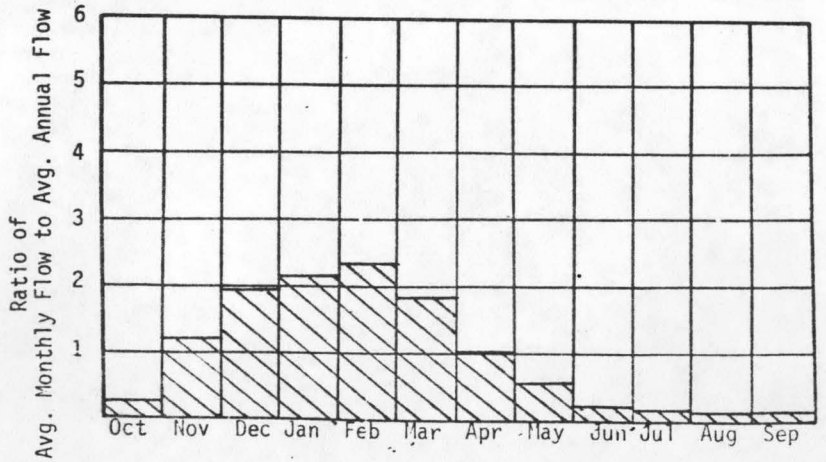
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	2.4	Sq.Mi.
F.	Inflow Classification	Natural	

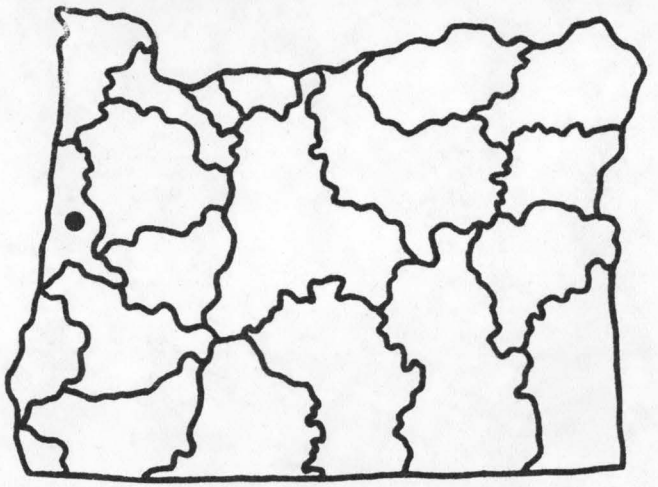
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.4	.04	.36	1.000
80	14.1	.08	.65	.940
50	61.9	.35	2.17	.716
30	140.6	.79	3.71	.539
10	373.5	2.09	6.00	.328

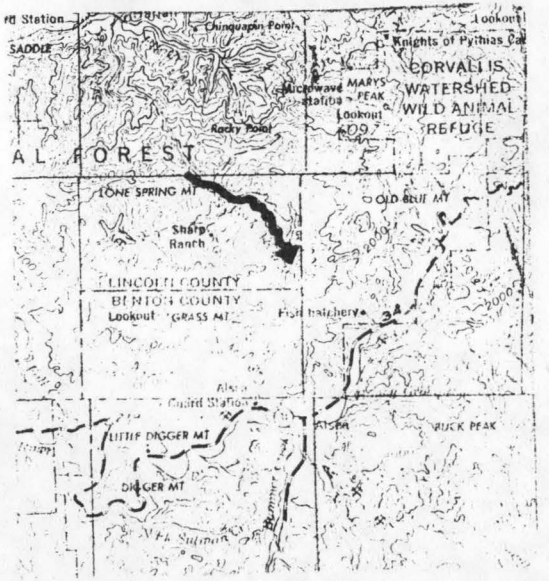
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 138 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-640-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lincoln-Lane
C.	Township, Range	Sec.32, T14S, R11W
D.	Latitude, Longitude	44°18'N, 124°01'W
E.	Stream Name	Yachats River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 10.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

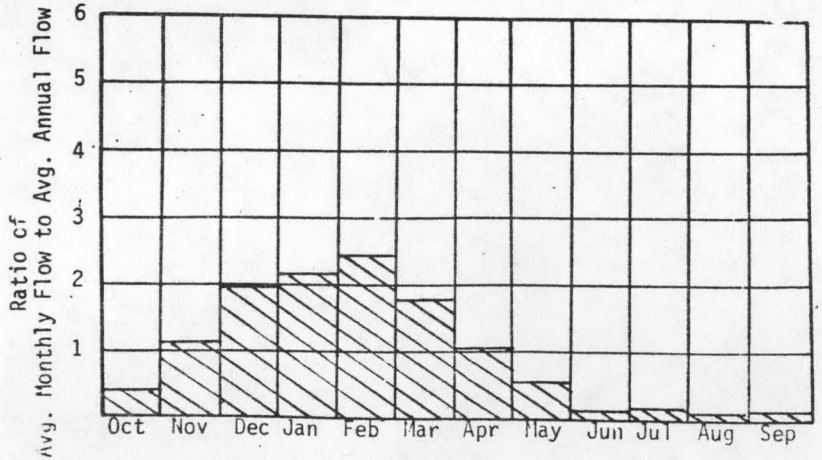
A.	Upstream Elevation of Reach	200	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	200	Ft.
D.	Average Slope in Reach	19	Ft./Mi.
E.	Drainage Area above Reach Mouth	42	Sq.Mi.
F.	Inflow Classification	Natural	

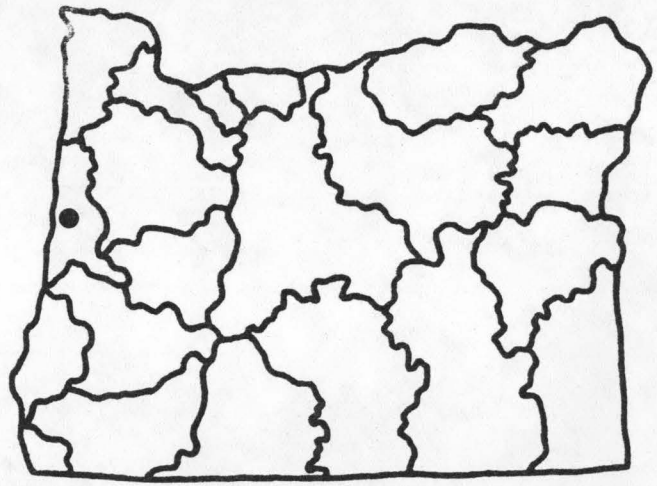
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.1	.14	1.20	1.000
80	15.5	.26	2.16	.940
50	68.1	1.15	7.24	.716
30	155.0	2.63	12.40	.539
10	412.6	6.99	20.05	.327

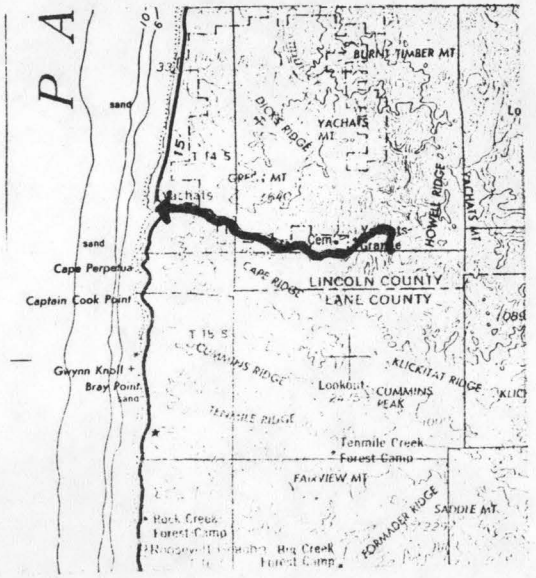
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 152 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-640-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lincoln-Lane
C.	Township, Range	Sec.34, T15S, R11W
D.	Latitude, Longitude	44°16'N, 123°57'W
E.	Stream Name	Yachats River
F.	Major Basin Name	Mid Coast
G.	River Mile	10.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

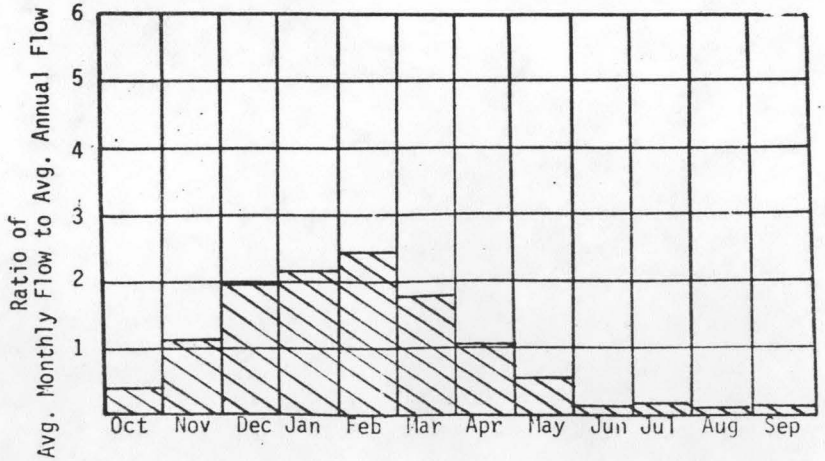
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	13	Sq.Mi.
F.	Inflow Classification	Natural	

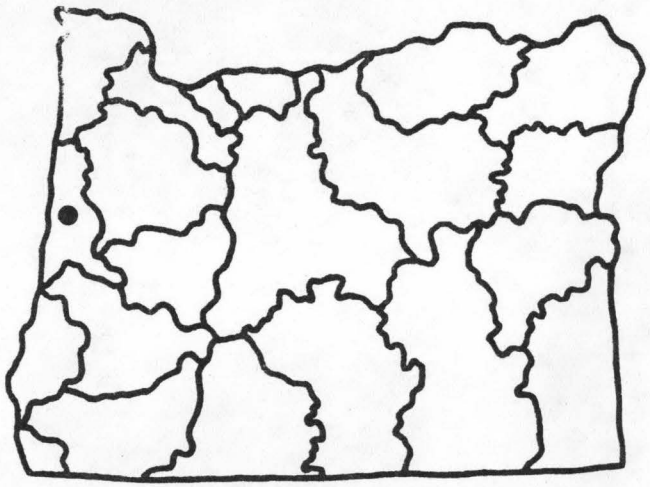
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.21	1.000
80	8.2	.05	.38	.939
50	35.6	.20	1.25	.717
30	79.5	.44	2.11	.542
10	209.0	1.17	3.38	.330

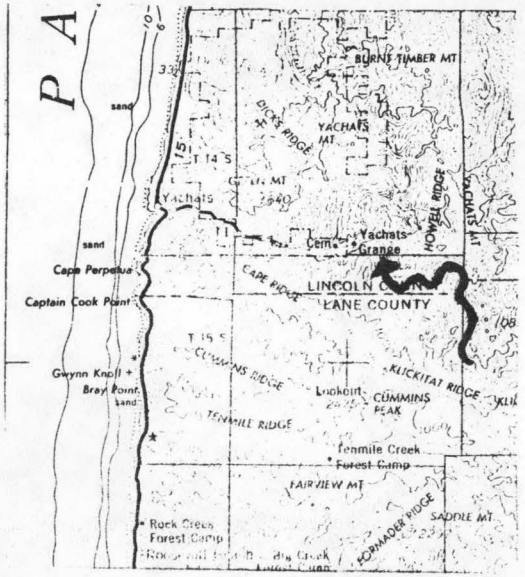
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-645-000-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Lane	
C. Township, Range	Sec.36, T15S, R12W	
D. Latitude, Longitude	44°13'N, 124°04'W	
E. Stream Name	Tenmile Creek	
F. Major Basin Name	Mid Coast	
G. River Mile	0.0 to 5.3	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

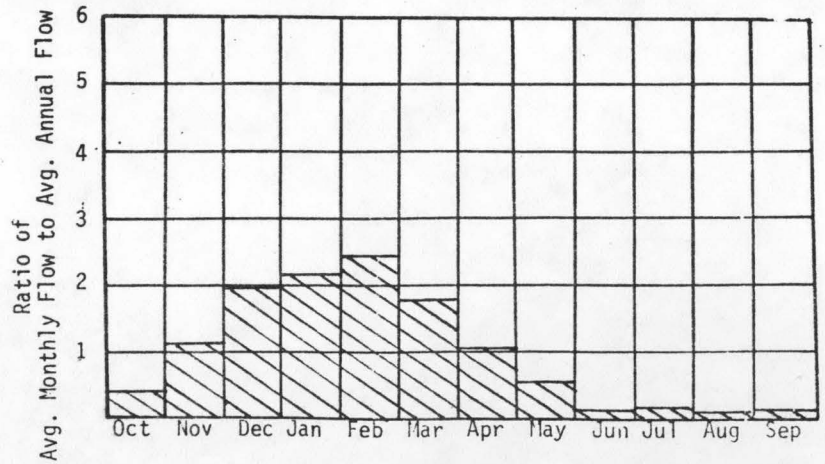
A. Upstream Elevation of Reach	291	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	291	Ft.
D. Average Slope in Reach	54.9	Ft./Mi.
E. Drainage Area above Reach Mouth	22	Sq.Mi.
F. Inflow Classification	Natural	

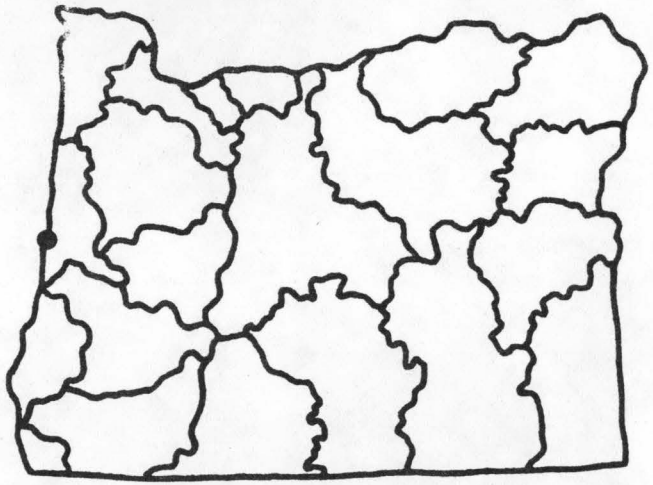
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.7	.14	1.23	1.000
80	11.0	.27	2.23	.940
50	47.8	1.18	7.40	.716
30	107.8	2.66	12.58	.540
10	284.8	7.02	20.23	.329

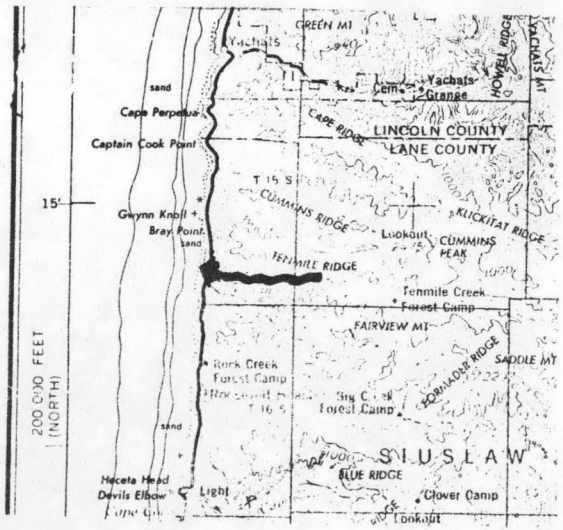
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 105 $\overline{\text{CFS}}$





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-645-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.32, T15S, R11W
D.	Latitude, Longitude	44°13'N, 123°58'W
E.	Stream Name	Tenmile Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	5.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

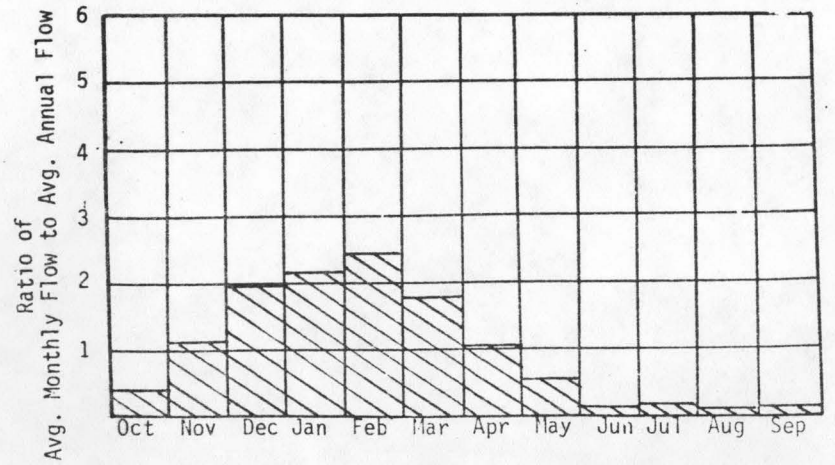
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	16	Sq.Mi.
F.	Inflow Classification	Natural	

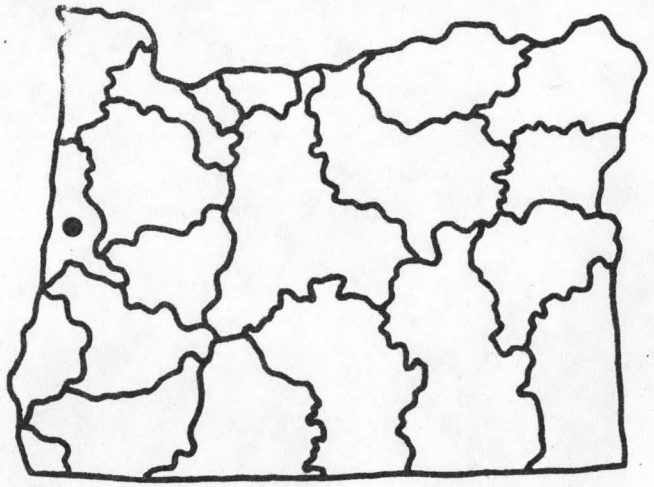
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.0	.03	.24	1.000
80	9.7	.05	.44	.940
50	42.0	.23	1.47	.717
30	94.3	.53	2.50	.541
10	248.5	1.39	4.01	.329

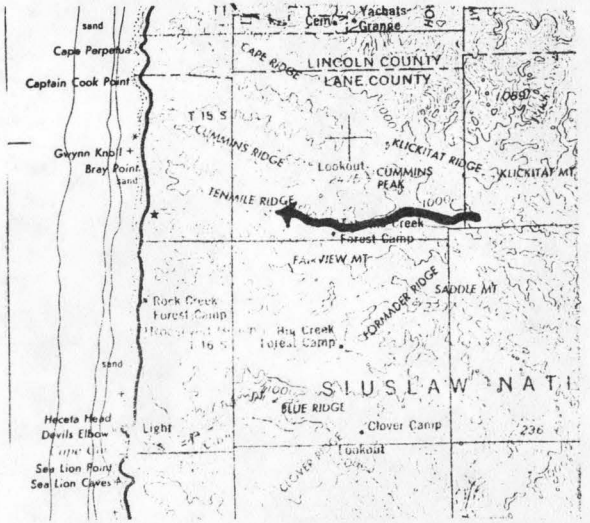
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 92 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

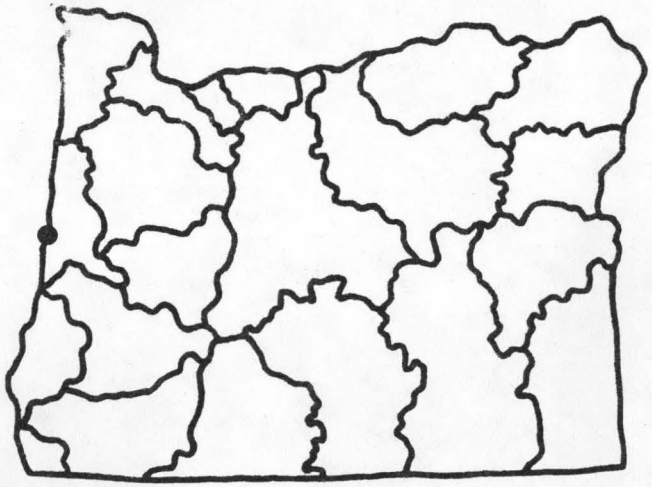


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-650-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.14, T16S, R12W
D.	Latitude, Longitude	44°12'N, 124°06'W
E.	Stream Name	Big Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 2.0



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

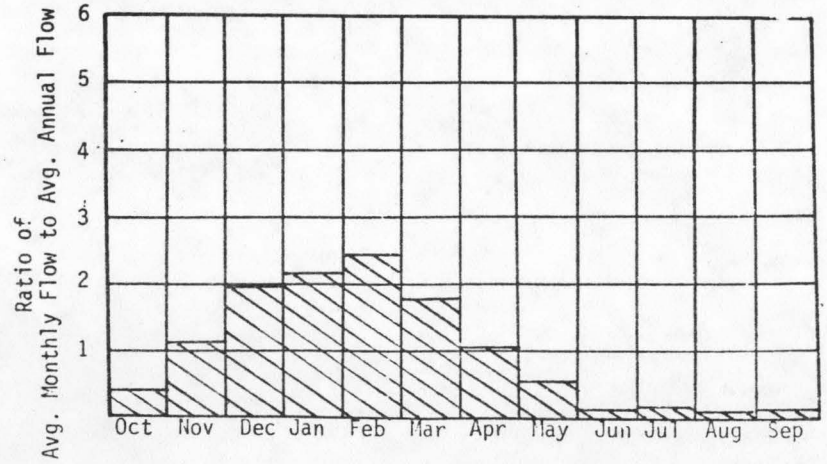
A.	Upstream Elevation of Reach	78	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	78	Ft.
D.	Average Slope in Reach	39	Ft./Mi.
E.	Drainage Area above Reach Mouth	15	Sq.Mi.
F.	Inflow Classification	Natural	

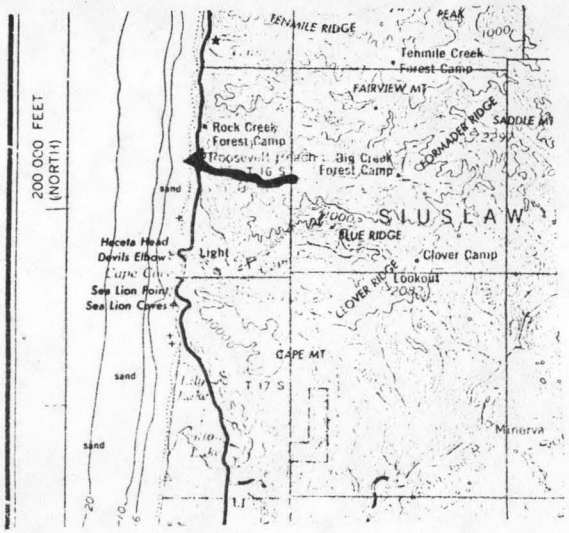
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.03	.25	1.000
80	8.3	.05	.45	.939
50	36.0	.24	1.49	.717
30	80.4	.53	2.52	.542
10	211.4	1.40	4.04	.330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 78 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-650-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.24, T16S, R11W
D.	Latitude, Longitude	44°11'N, 124°01'W
E.	Stream Name	Big Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	2.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

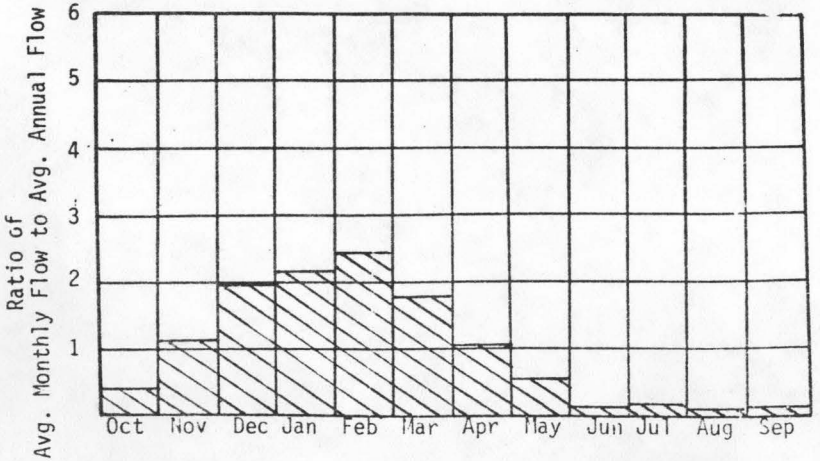
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	13	Sq.Mi.
F.	Inflow Classification	Natural	

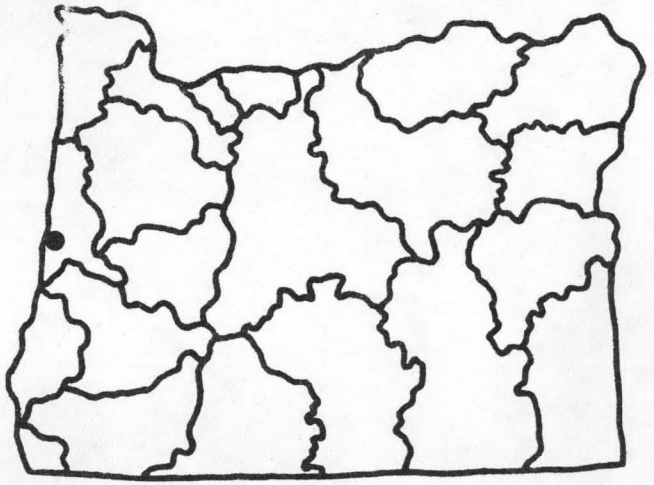
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.02	.20	1.000
80	8.0	.04	.37	.939
50	34.4	.19	1.21	.717
30	76.8	.43	2.04	.542
10	201.7	1.13	3.26	.330

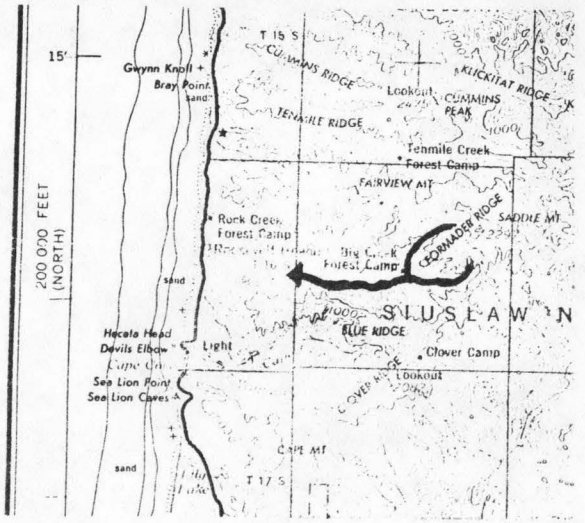
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 74 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.28, T18S, R12W
D.	Latitude, Longitude	43°59'N, 124°06'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 6.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

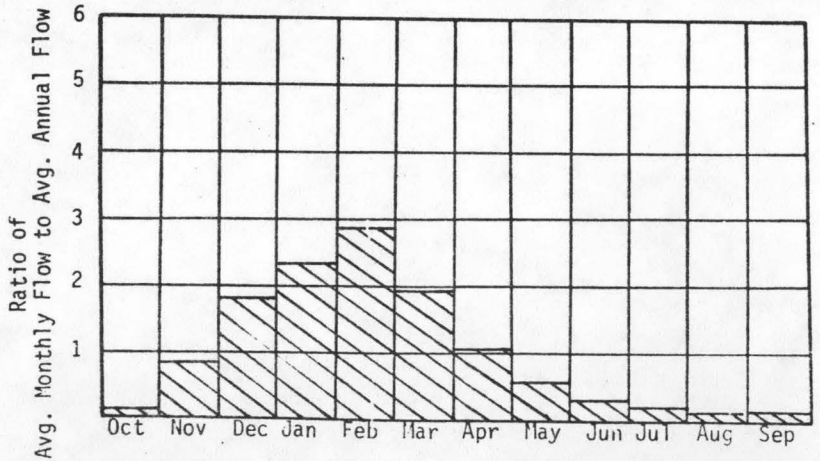
A.	Upstream Elevation of Reach	12	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	12	Ft.
D.	Average Slope in Reach	1.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	753	Sq.Mi.
F.	Inflow Classification	Natural	

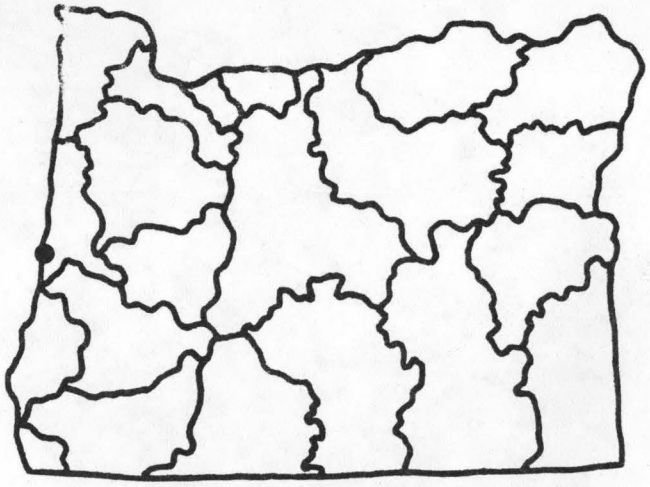
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	121.7	.12	1.08	1.000
80	220.3	.22	1.85	.944
50	1050.9	1.07	6.66	.712
30	2576.4	2.62	12.10	.527
10	7236.8	7.36	20.40	.316

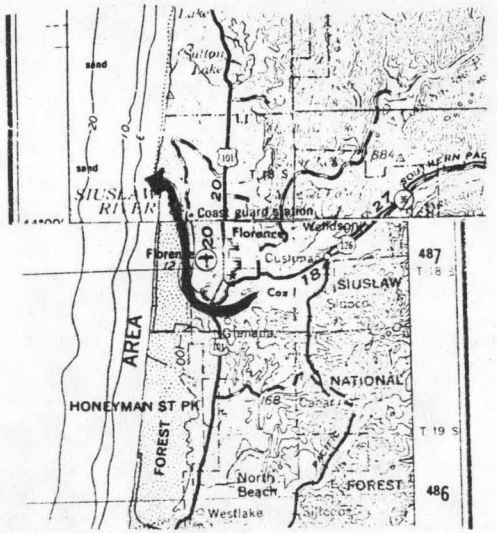
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2669 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM-COOS BAY

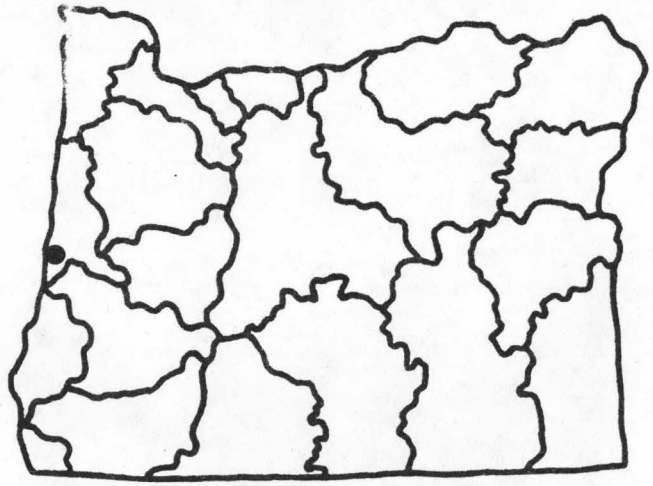


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-022-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.7, T18S, R12W
D.	Latitude, Longitude	44°01'N, 124°03'W
E.	Stream Name	North Fork Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 12.6



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	42	Ft. MSL
B.	Downstream Elevation of Reach	12	Ft. MSL
C.	Total Available Head in Reach	30	Ft.
D.	Average Slope in Reach	2.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	62	Sq.Mi.
F.	Inflow Classification	Natural	

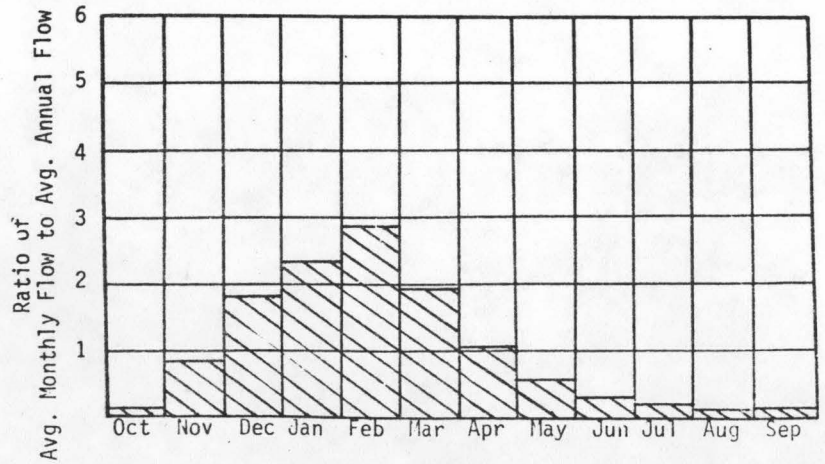
U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM-COOS BAY

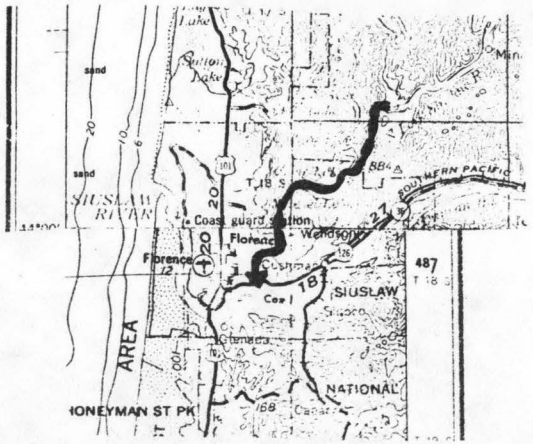
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	13.6	.03	.30	1.000
80	25.7	.07	.54	.941
50	115.1	.29	1.83	.715
30	265.7	.68	3.18	.536
10	714.6	1.82	5.17	.325

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 264 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-022-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Lane	
C. Township, Range	Sec.34, T17S, R11W	
D. Latitude, Longitude	44°04'N, 124°00'W	
E. Stream Name	North Fork Siuslaw River	
F. Major Basin Name	Mid Coast	
G. River Mile	12.6 to 16.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

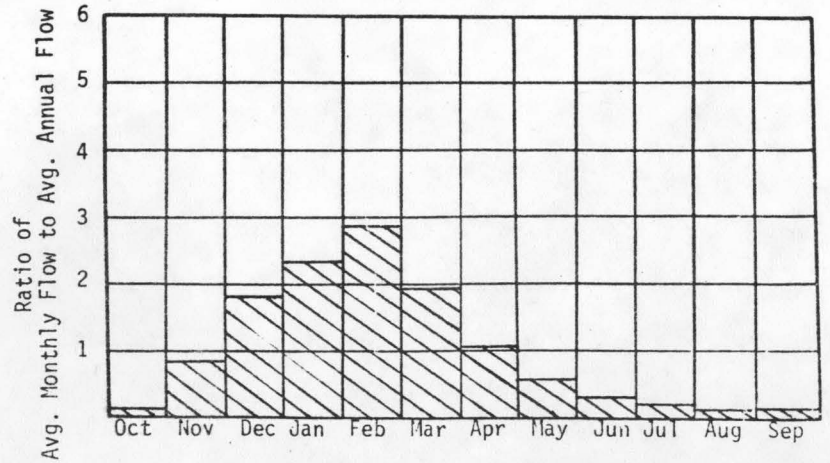
A. Upstream Elevation of Reach	64	Ft. MSL
B. Downstream Elevation of Reach	42	Ft. MSL
C. Total Available Head in Reach	22	Ft.
D. Average Slope in Reach	5.5	Ft./Mi.
E. Drainage Area above Reach Mouth	40	Sq.Mi.
F. Inflow Classification	Natural	

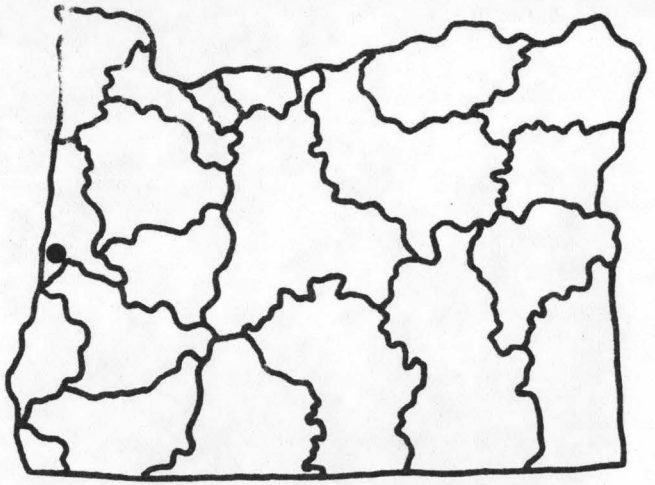
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.8	.02	.16	1.000
80	18.7	.03	.29	.941
50	83.1	.15	.97	.716
30	190.1	.35	1.67	.538
10	508.1	.95	2.71	.326

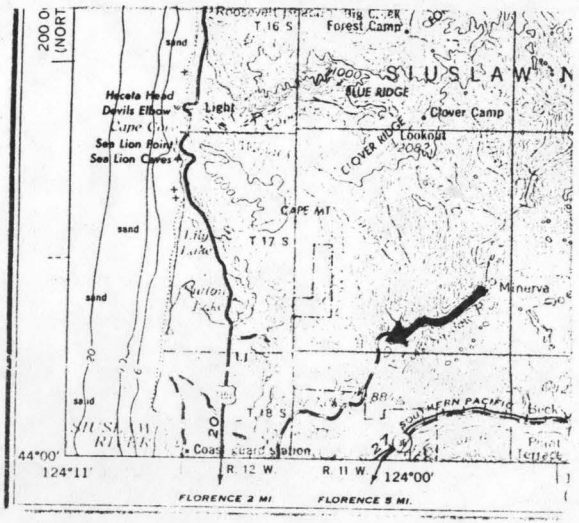
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 87 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-022-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.23, T17S, R11W
D.	Latitude, Longitude	44°06'N, 123°57'W
E.	Stream Name	North Fork Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	16.0 to 22.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

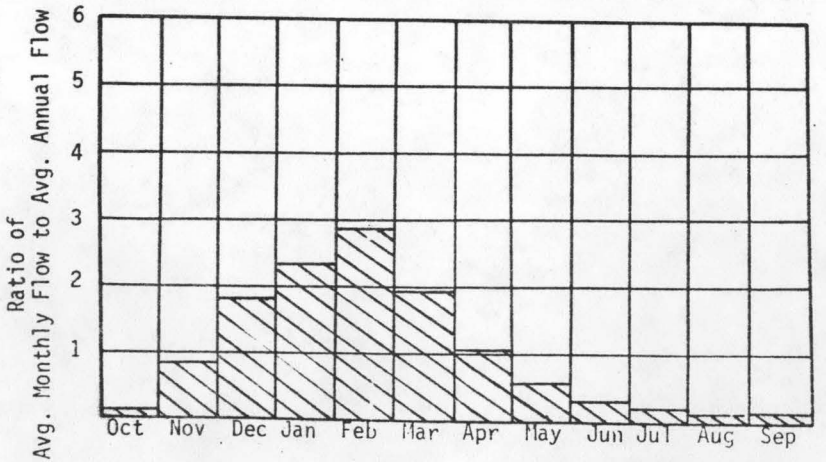
A.	Upstream Elevation of Reach	145	Ft. MSL
B.	Downstream Elevation of Reach	64	Ft. MSL
C.	Total Available Head in Reach	81	Ft.
D.	Average Slope in Reach	12.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	35	Sq.Mi.
F.	Inflow Classification	Natural	

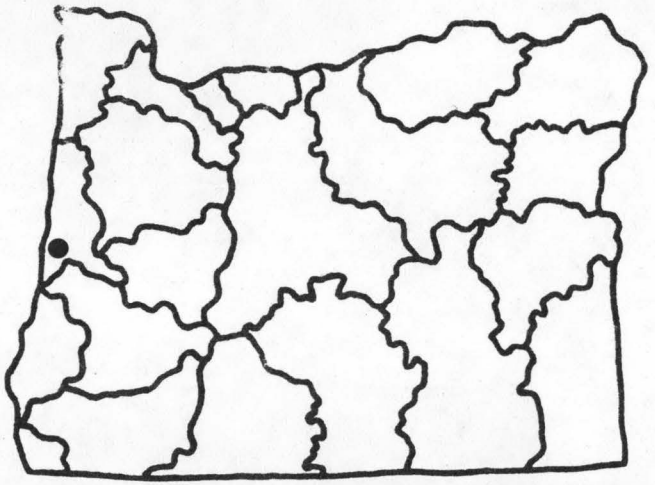
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.8	.05	.41	1.000
80	13.1	.09	.74	.940
50	57.2	.39	2.46	.716
30	129.6	.89	4.21	.540
10	343.8	2.36	6.78	.328

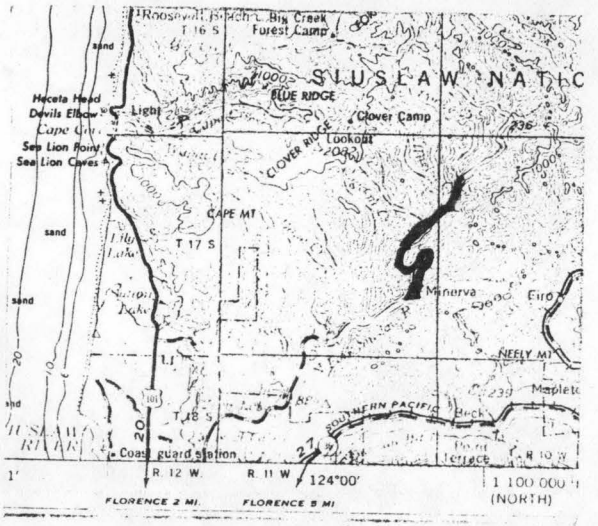
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 126 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-022-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.7, T16S, R10W
D.	Latitude, Longitude	44°10'N, 123°55'W
E.	Stream Name	North Fork Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	22.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

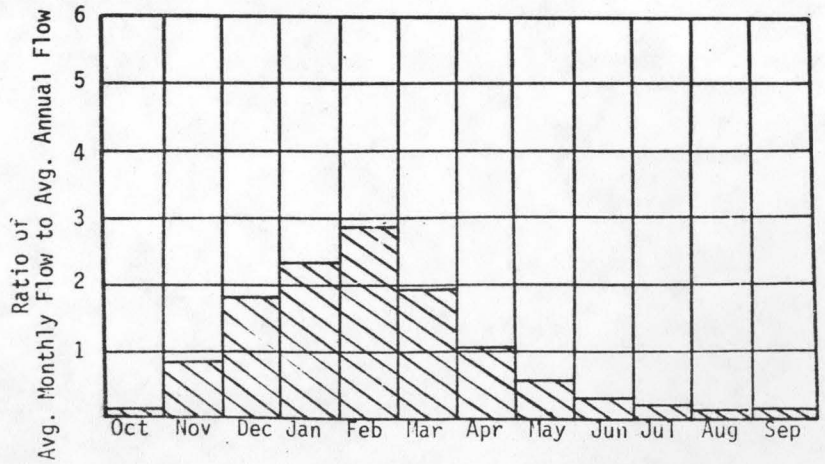
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

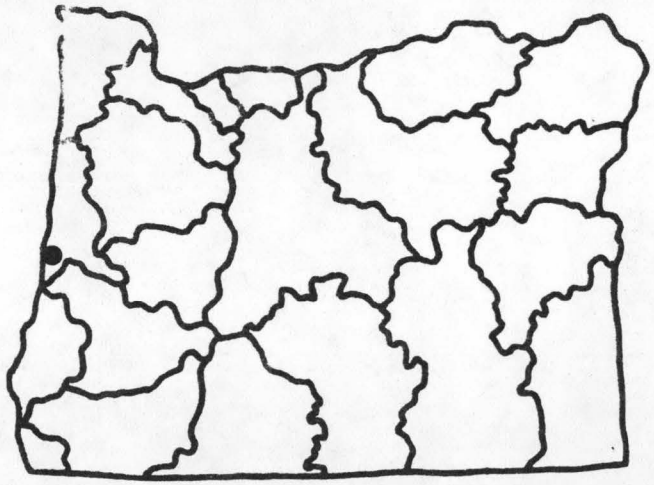
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.21	1.000
80	8.2	.05	.38	.939
50	35.6	.20	1.25	.717
30	79.5	.44	2.11	.542
10	209.0	1.17	3.38	.330

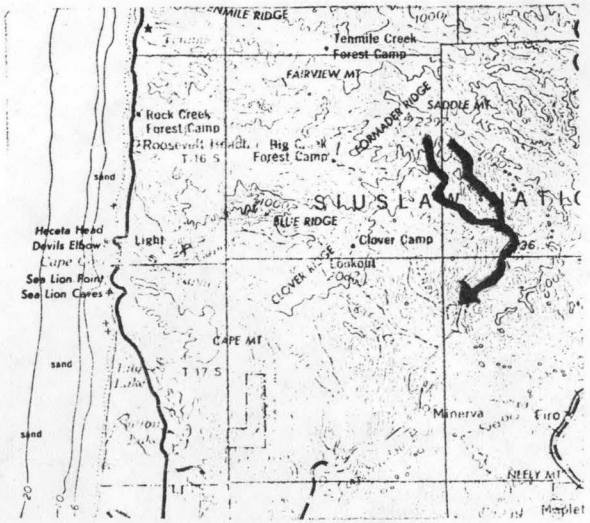
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec.15, T18S, R11W
D.	Latitude, Longitude	44°00'N, 124°00'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	6.3 to 16.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

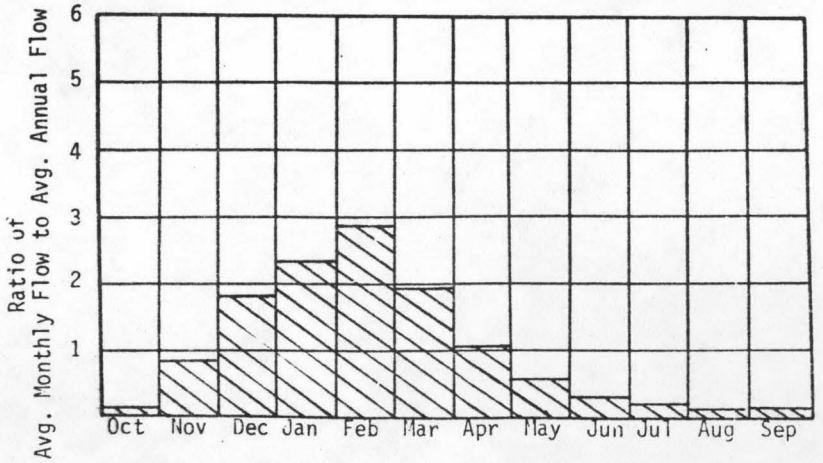
A.	Upstream Elevation of Reach	31	Ft. MSL
B.	Downstream Elevation of Reach	12	Ft. MSL
C.	Total Available Head in Reach	19	Ft.
D.	Average Slope in Reach	2	Ft./Mi.
E.	Drainage Area above Reach Mouth	679	Sq.Mi.
F.	Inflow Classification	Natural	

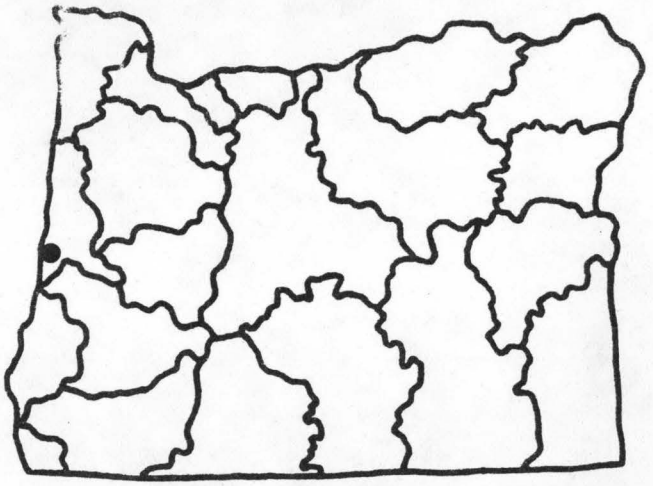
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	107.7	.17	1.52	1.000
80	195.4	.31	2.60	.944
50	928.7	1.50	9.32	.712
30	2269.1	3.65	16.89	.528
10	6358.2	10.24	28.42	.317

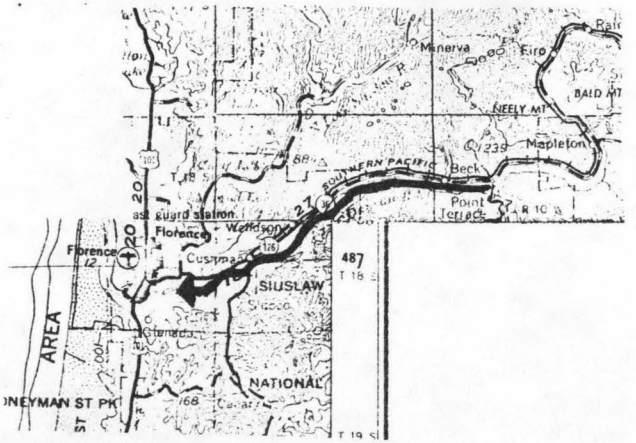
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2345 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM-COOS BAY

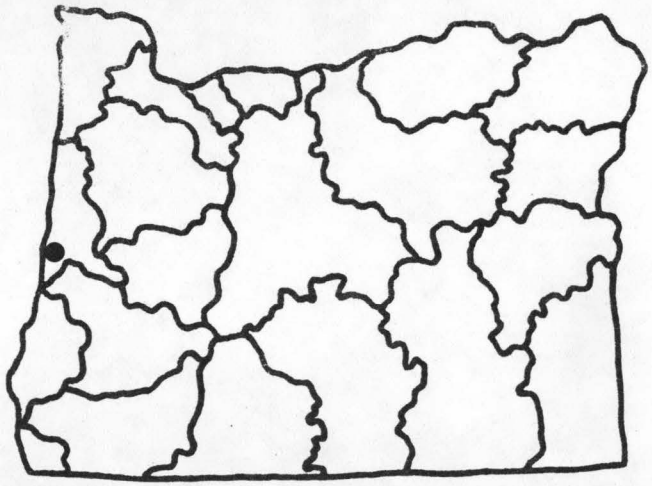


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-029-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 21, T18S, R10W
D.	Latitude, Longitude	43°59'N, 123°54'W
E.	Stream Name	Sweet Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 7.0



U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM-ROSEBURG

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

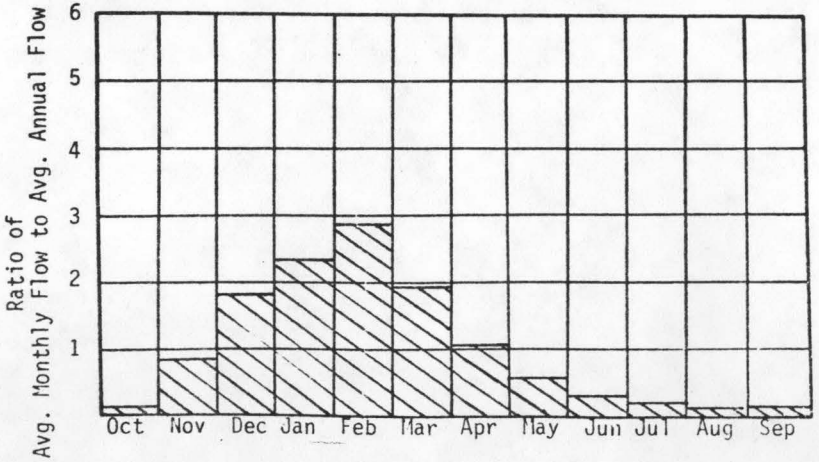
A.	Upstream Elevation of Reach	522	Ft. MSL
B.	Downstream Elevation of Reach	31	Ft. MSL
C.	Total Available Head in Reach	491	Ft.
D.	Average Slope in Reach	70.1	Ft./Mi.
E.	Drainage Area above Reach Mouth	25	Sq.Mi.
F.	Inflow Classification	Natural	

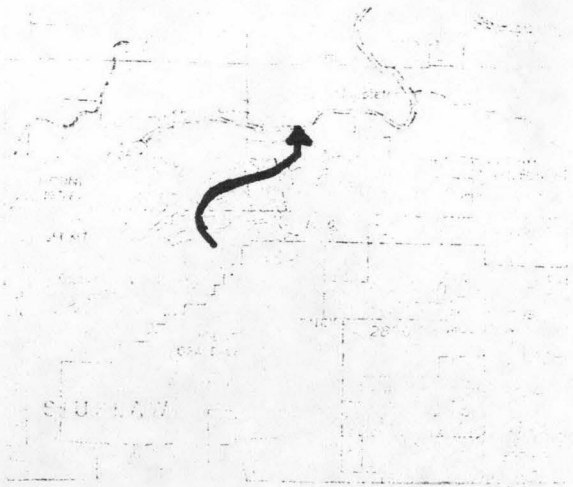
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.5	.23	2.01	1.000
80	10.6	.44	3.64	.940
50	46.3	1.92	12.08	.717
30	104.2	4.33	20.52	.541
10	275.1	11.45	32.98	.329

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 101 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-029-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 33, T19S, R10W
D.	Latitude, Longitude	43°57'N, 123°52'W
E.	Stream Name	Sweet Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	7.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

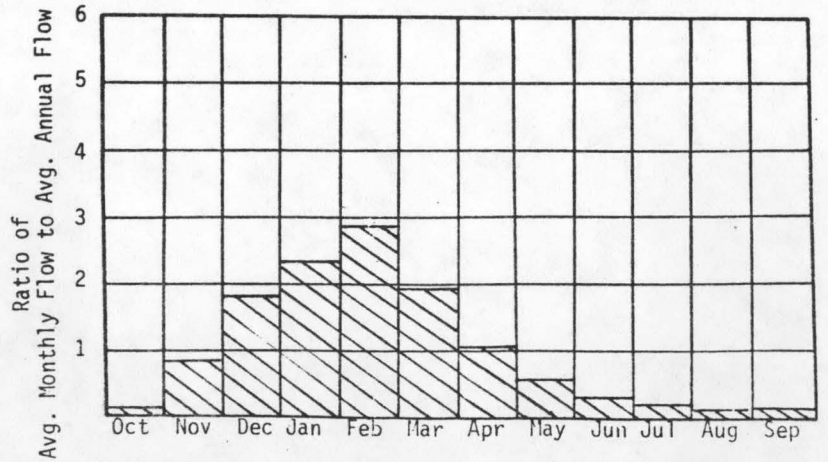
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

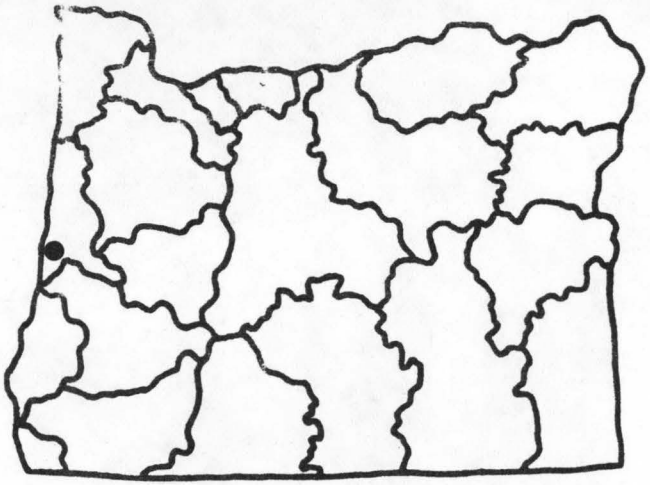
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.20	1.000
80	8.1	.05	.37	.939
50	34.9	.20	1.23	.717
30	78.0	.44	2.07	.542
10	204.8	1.15	3.31	.330

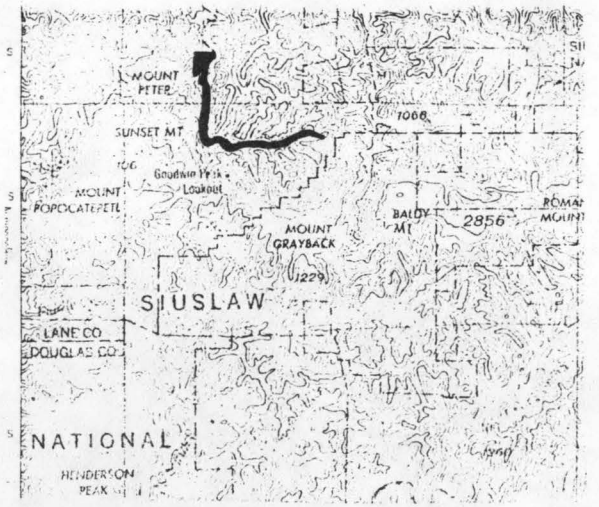
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 75 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 10, T18S, R10W
D.	Latitude, Longitude	44°00'N, 123°52'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	16.0 to 20.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

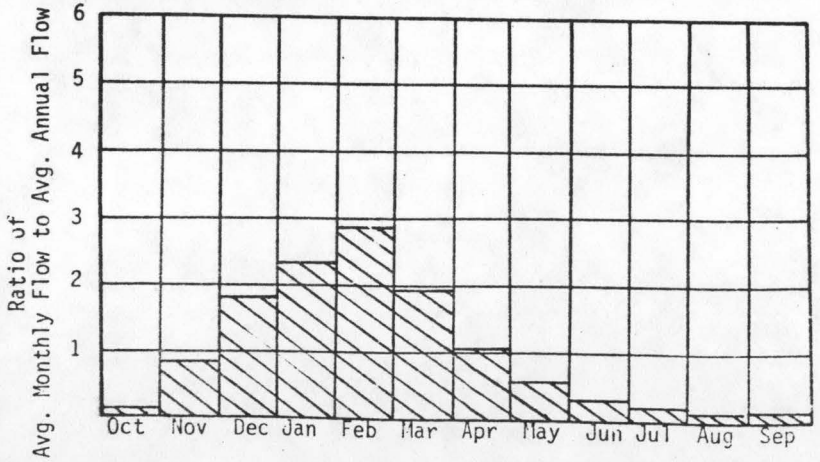
A.	Upstream Elevation of Reach	40	Ft. MSL
B.	Downstream Elevation of Reach	31	Ft. MSL
C.	Total Available Head in Reach	9	Ft.
D.	Average Slope in Reach	1.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	616	Sq.Mi.
F.	Inflow Classification	Natural	

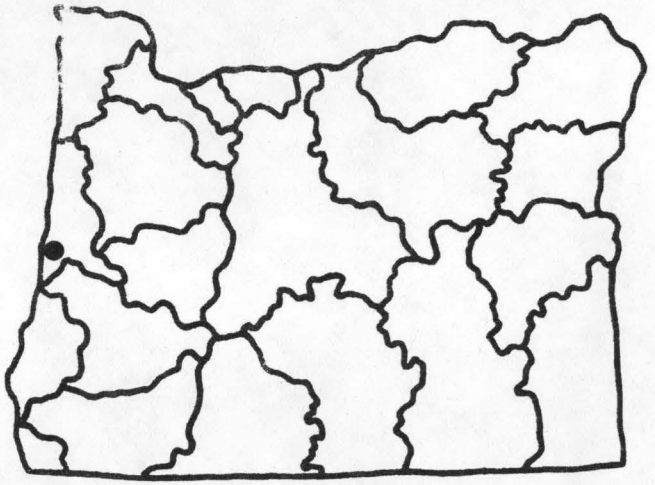
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	99.1	.08	.66	1.000
80	180.1	.14	1.14	.944
50	854.1	.65	4.06	.712
30	2082.1	1.59	7.34	.528
10	5824.6	4.44	12.35	.317

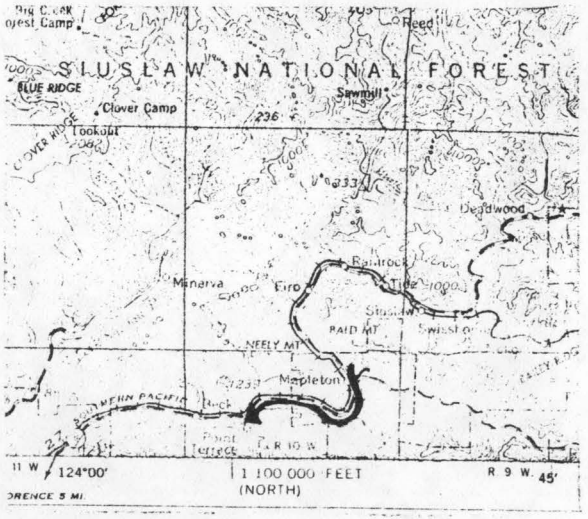
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2148 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-033-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 1, T18S, R10W
D.	Latitude, Longitude	44°02'N, 123°50'W
E.	Stream Name	Knowles Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 2.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

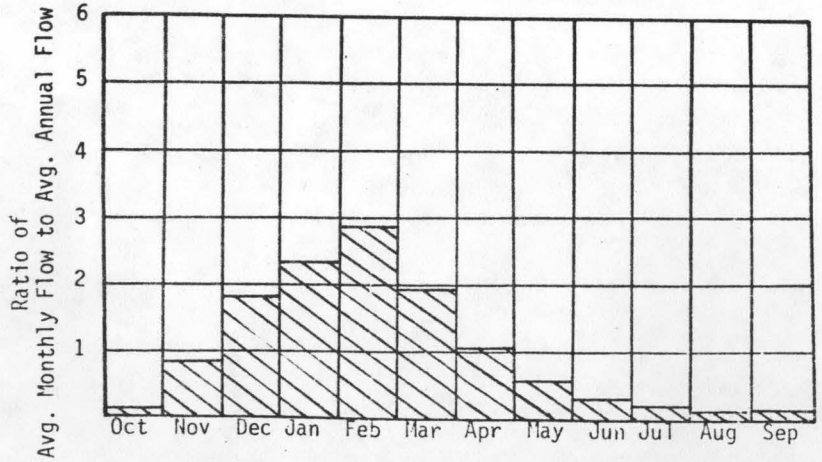
A.	Upstream Elevation of Reach	48	Ft. MSL
B.	Downstream Elevation of Reach	40	Ft. MSL
C.	Total Available Head in Reach	8	Ft.
D.	Average Slope in Reach	3.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	20	Sq.Mi.
F.	Inflow Classification	Natural	

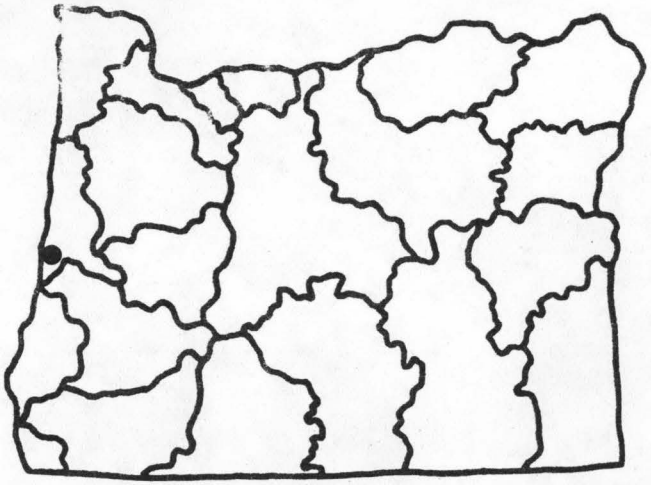
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.0	.00	.03	1.000
80	9.7	.01	.05	.940
50	42.1	.03	.18	.717
30	94.5	.06	.30	.541
10	249.2	.17	.49	.329

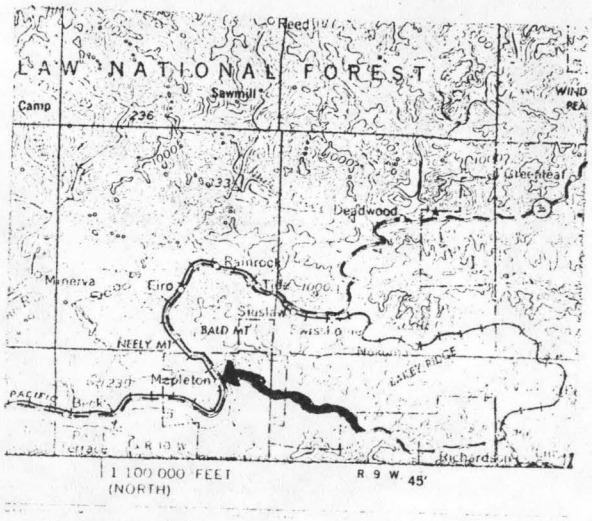
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 92 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-033-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 7, T18S, R9W
D.	Latitude, Longitude	43°59'N, 123°47'W
E.	Stream Name	Knowles Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	2.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

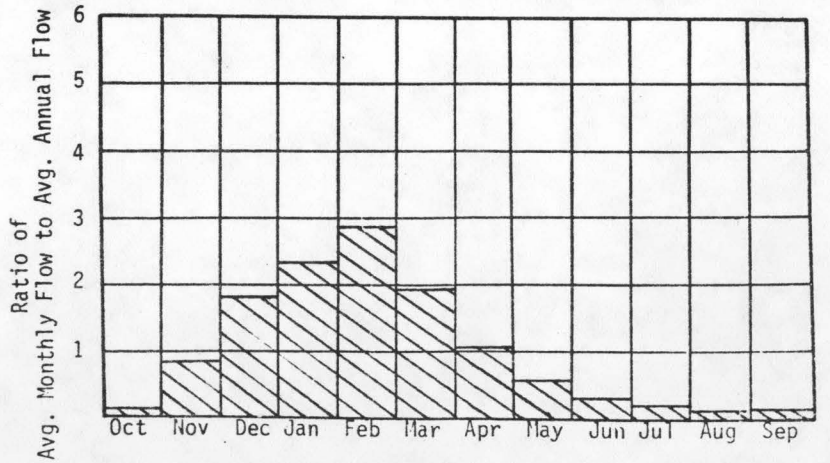
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	16	Sq.Mi.
F.	Inflow Classification	Natural	

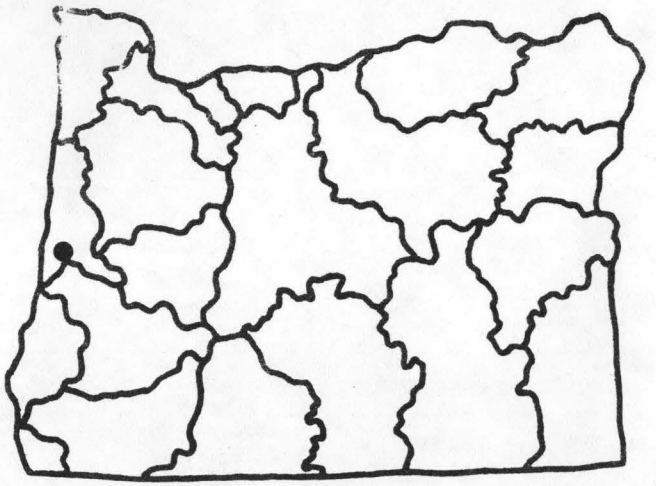
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.5	.03	.22	1.000
80	8.7	.05	.40	.940
50	37.8	.21	1.33	.717
30	84.8	.47	2.25	.541
10	223.0	1.25	3.60	.330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 82 CFS





U.S.G.S. TOPO SERIES
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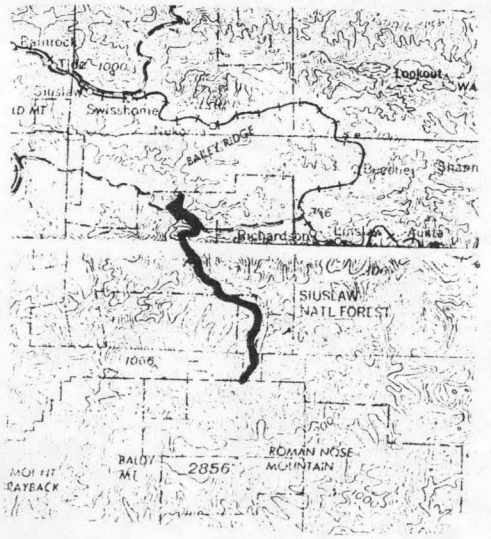
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 23, T17S, R10W
D.	Latitude, Longitude	44°04'N, 123°51'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	20.7 to 29.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

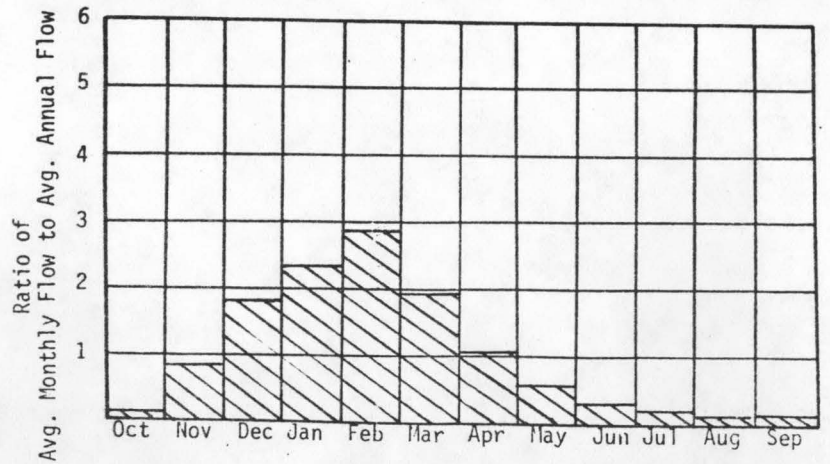
A.	Upstream Elevation of Reach	56	Ft. MSL
B.	Downstream Elevation of Reach	40	Ft. MSL
C.	Total Available Head in Reach	16	Ft.
D.	Average Slope in Reach	1.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	582	Sq.Mi.
F.	Inflow Classification	Natural	

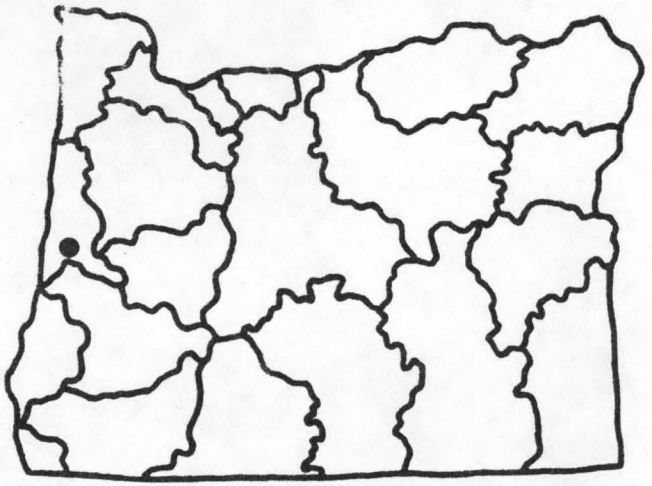
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	92.6	.13	1.10	1.000
80	168.5	.23	1.89	.944
50	797.5	1.08	6.75	.712
30	1940.5	2.63	12.18	.528
10	5421.2	7.35	20.44	.317

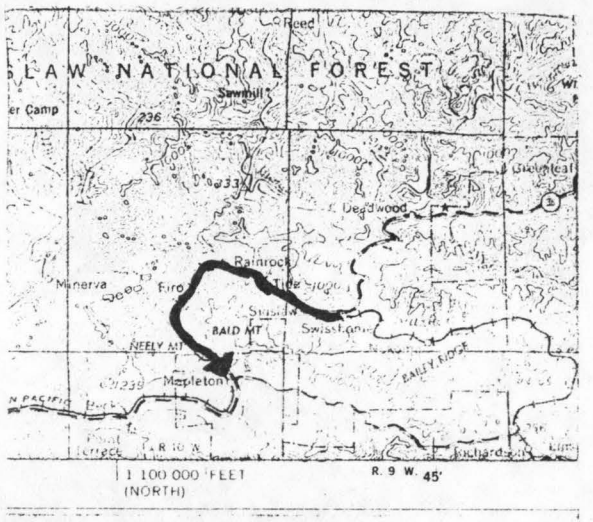
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2000 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 28, T17S, R9W
D.	Latitude, Longitude	44°04'N, 123°47'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 2.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

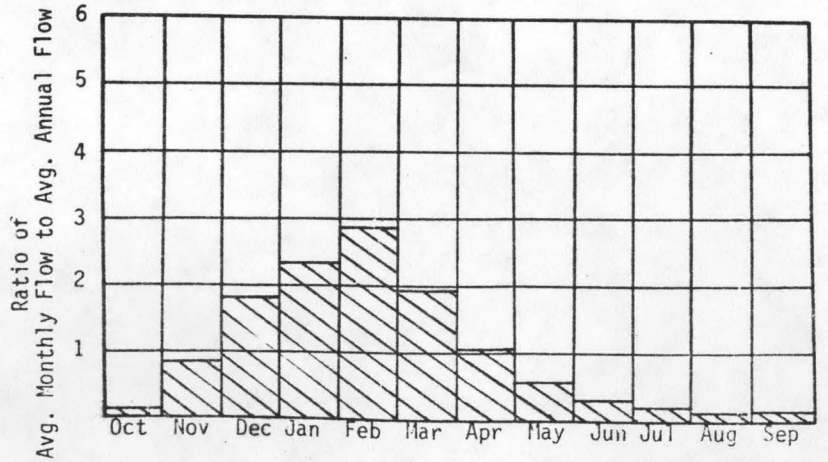
A.	Upstream Elevation of Reach	207	Ft. MSL
B.	Downstream Elevation of Reach	56	Ft. MSL
C.	Total Available Head in Reach	151	Ft.
D.	Average Slope in Reach	68.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	215	Sq.Mi.
F.	Inflow Classification	Natural	

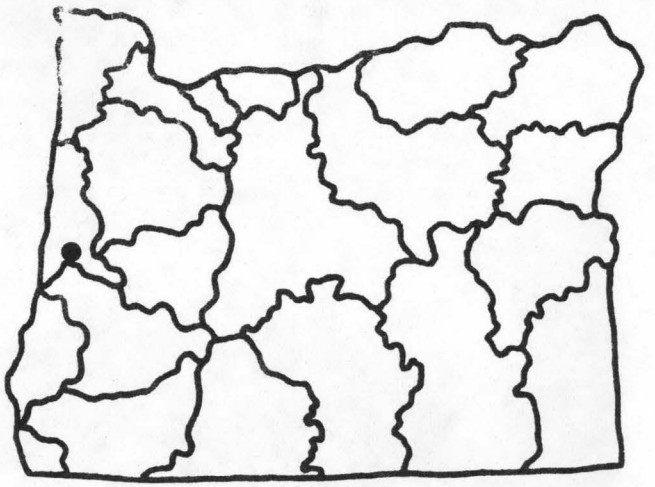
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	47.1	.60	5.28	1.000
80	87.0	1.11	9.19	.943
50	403.4	5.16	32.25	.713
30	963.6	12.33	57.37	.531
10	2656.0	33.99	95.31	.320

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 979 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-021-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 7, T17S, R9W
D.	Latitude, Longitude	44°06'N, 123°47'W
E.	Stream Name	Indian Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 12.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

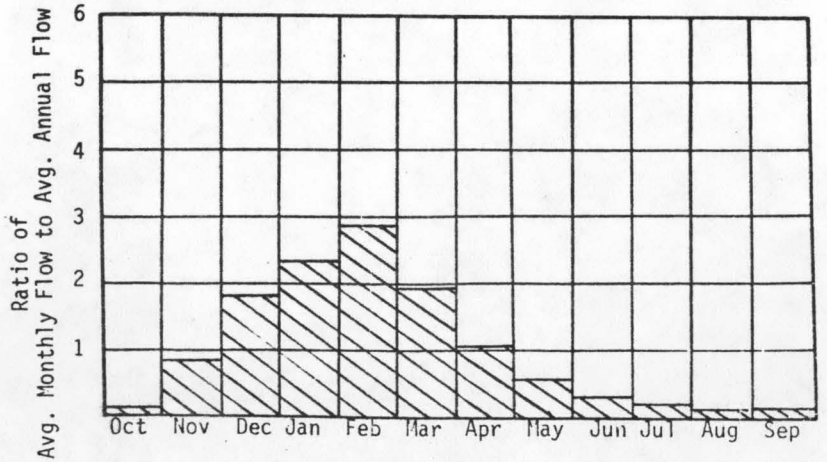
A.	Upstream Elevation of Reach	290	Ft. MSL
B.	Downstream Elevation of Reach	207	Ft. MSL
C.	Total Available Head in Reach	83	Ft.
D.	Average Slope in Reach	6.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	47	Sq.Mi.
F.	Inflow Classification	Natural	

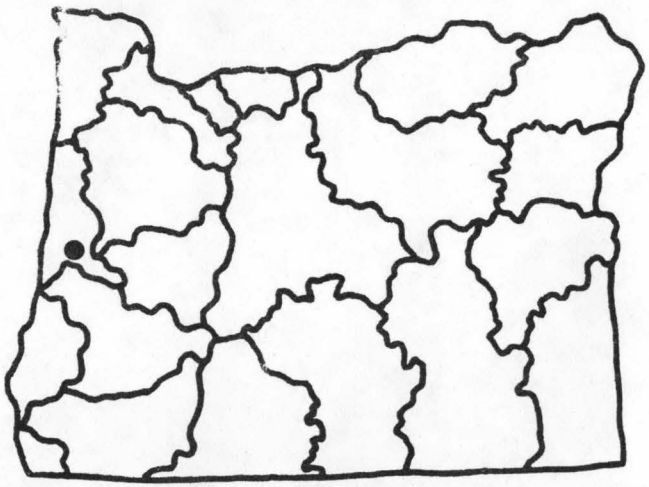
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.0	.08	.68	1.000
80	21.0	.15	1.21	.941
50	93.2	.66	4.11	.715
30	213.8	1.50	7.08	.537
10	572.6	4.03	11.50	.326

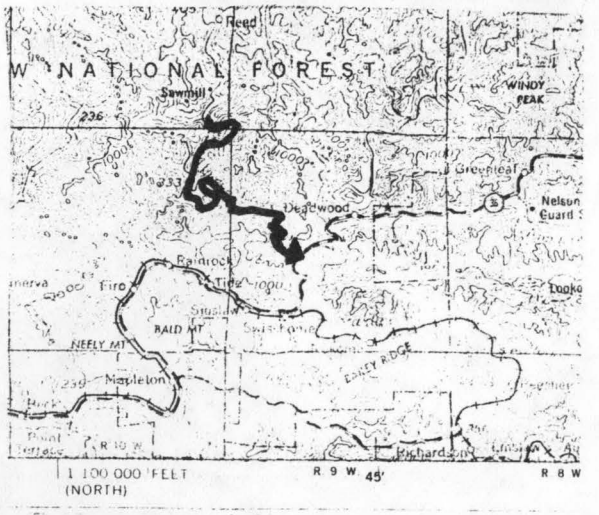
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 211 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-021-010-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 23, T17S, R9W
D.	Latitude, Longitude	44°05'N, 123°48'W
E.	Stream Name	West Fork Indian Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

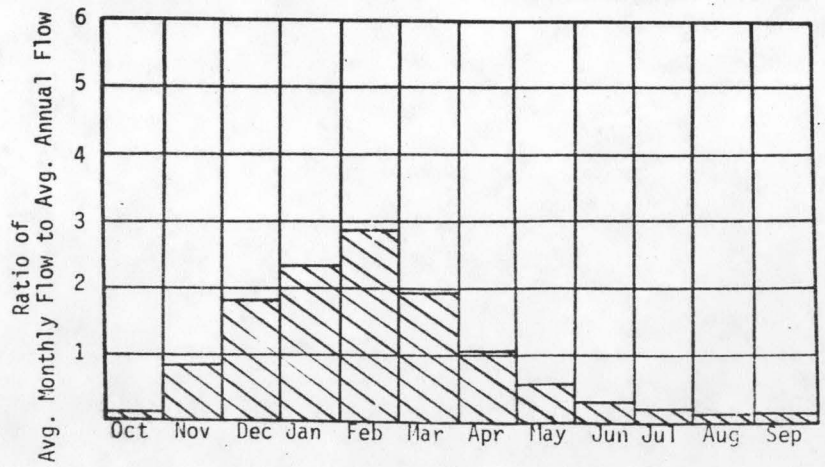
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

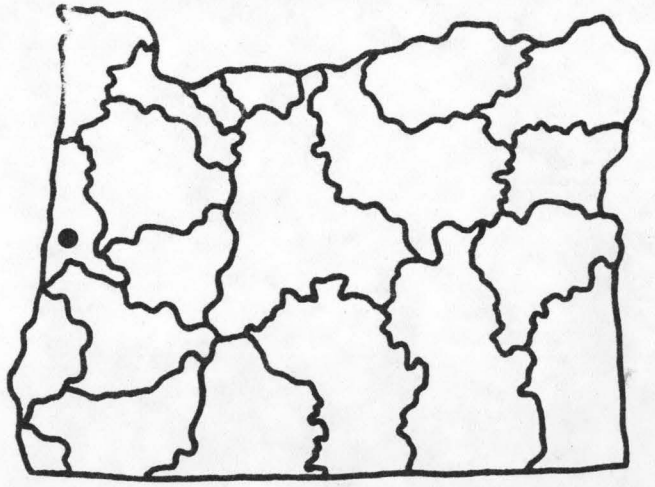
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.02	.21	1.000
80	8.3	.05	.38	.939
50	35.7	.20	1.25	.717
30	79.9	.45	2.12	.542
10	209.9	1.17	3.39	.330

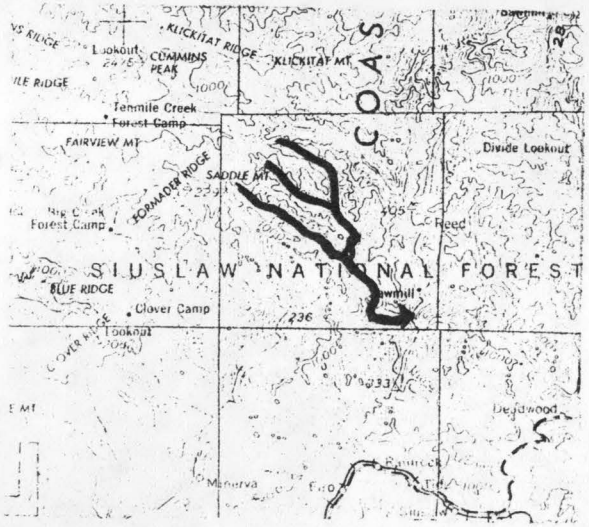
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-021-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 31, T16S, R10W
D.	Latitude, Longitude	44°10'N, 123°47'W
E.	Stream Name	Indian Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	12.0 to 16.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

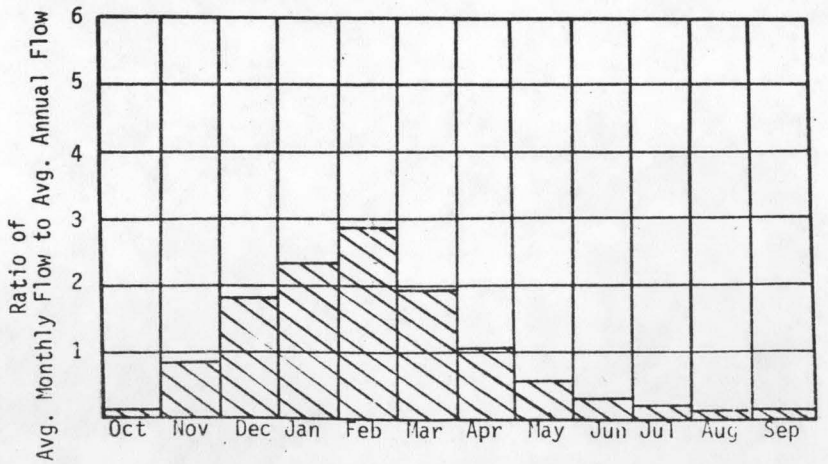
A.	Upstream Elevation of Reach	350	Ft. MSL
B.	Downstream Elevation of Reach	290	Ft. MSL
C.	Total Available Head in Reach	60	Ft.
D.	Average Slope in Reach	15	Ft./Mi.
E.	Drainage Area above Reach Mouth	19	Sq.Mi.
F.	Inflow Classification	Natural	

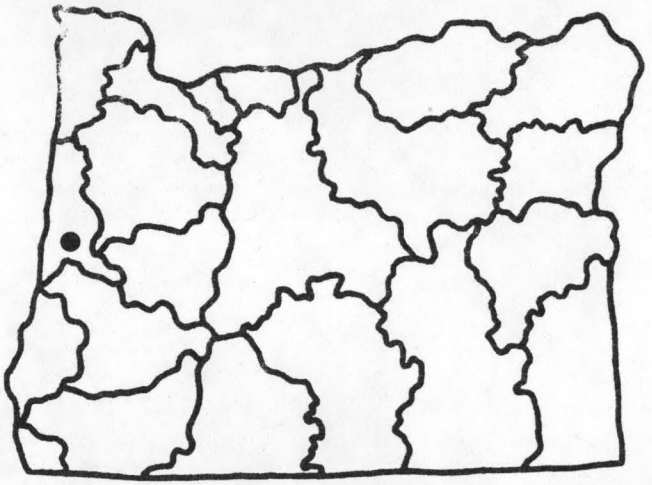
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.4	.03	.24	1.000
80	10.4	.05	.44	.940
50	45.3	.23	1.45	.717
30	102.0	.52	2.46	.541
10	269.3	1.37	3.95	.329

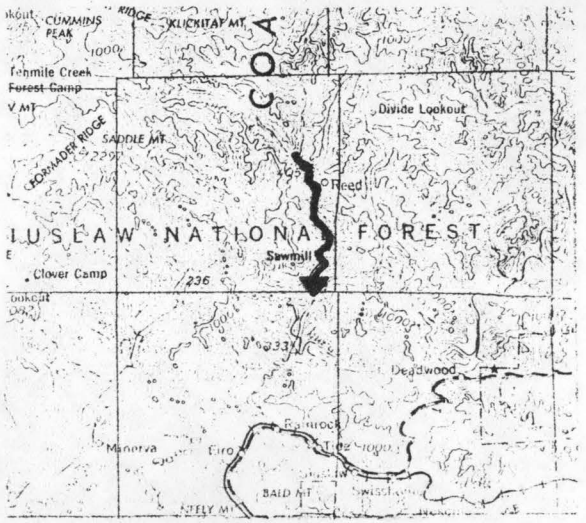
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 99 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-021-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 24, T16S, R10W
D.	Latitude, Longitude	44°12'N, 123°47'W
E.	Stream Name	Indian Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	16.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

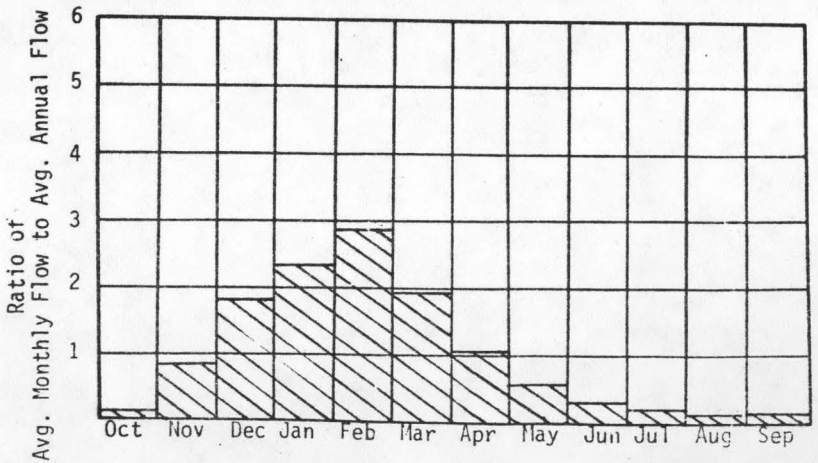
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	16	Sq.Mi.
F.	Inflow Classification	Natural	

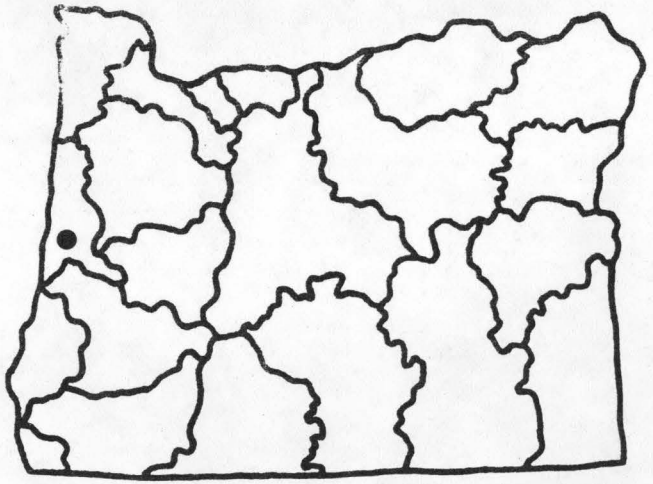
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.0	.03	.24	1.000
80	9.6	.05	.44	.940
50	41.7	.23	1.47	.717
30	93.7	.52	2.48	.541
10	247.1	1.38	3.99	.329

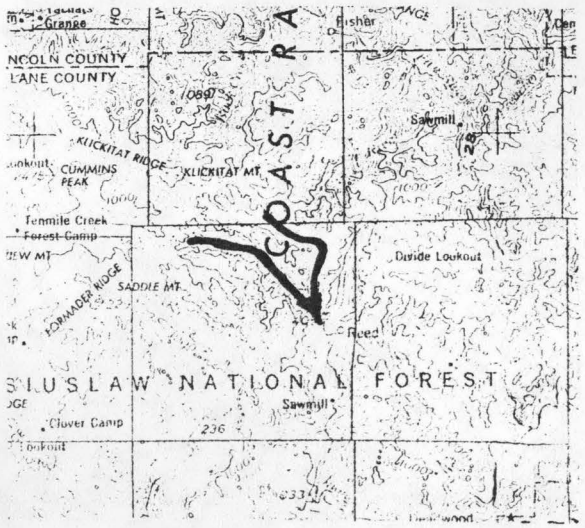
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 91 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 15, T17S, R9W
D.	Latitude, Longitude	44°07'N, 123°46'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	2.2 to 5.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

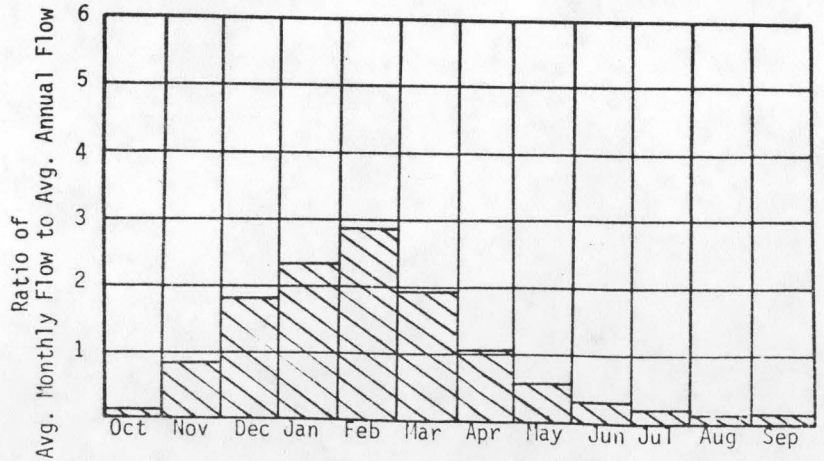
A.	Upstream Elevation of Reach	243	Ft. MSL
B.	Downstream Elevation of Reach	207	Ft. MSL
C.	Total Available Head in Reach	36	Ft.
D.	Average Slope in Reach	12.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	166	Sq.Mi.
F.	Inflow Classification	Natural	

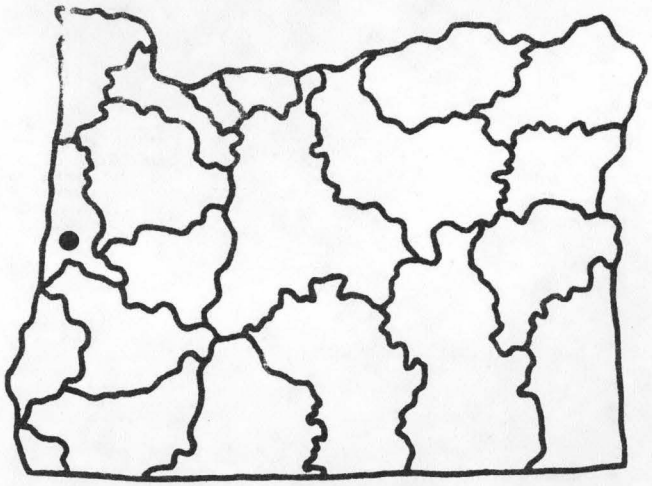
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	36.4	.11	.97	1.000
80	67.6	.21	1.70	.942
50	311.4	.95	5.94	.713
30	738.5	2.25	10.50	.532
10	2025.3	6.18	17.38	.321

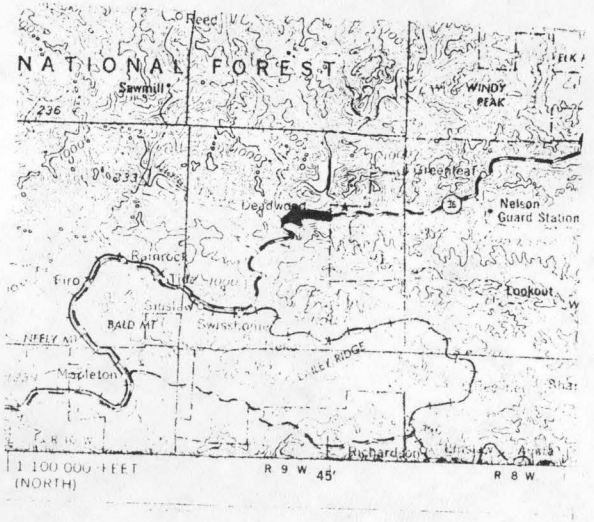
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 746 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 10, T17S, R9W
D.	Latitude, Longitude	44°08'N, 123°45'W
E.	Stream Name	Deadwood Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 6.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

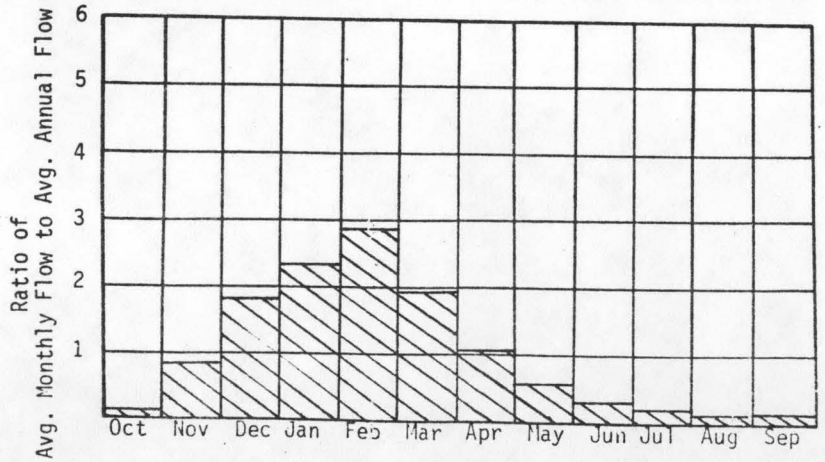
A.	Upstream Elevation of Reach	342	Ft. MSL
B.	Downstream Elevation of Reach	243	Ft. MSL
C.	Total Available Head in Reach	99	Ft.
D.	Average Slope in Reach	15.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	56	Sq.Mi.
F.	Inflow Classification	Natural	

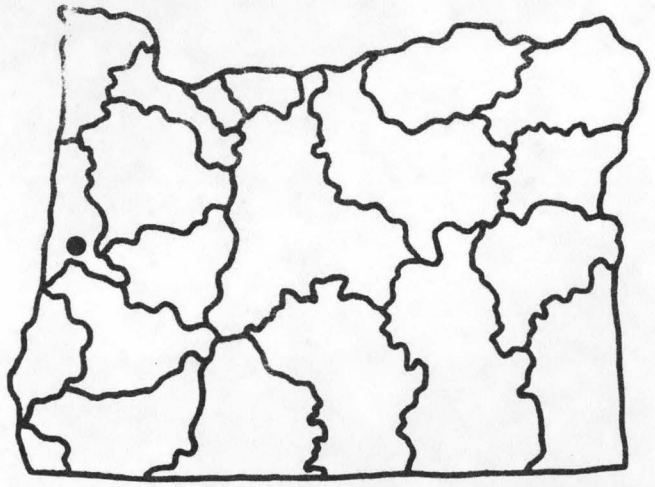
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	14.8	.12	1.08	1.000
80	27.9	.23	1.93	.941
50	125.1	1.05	6.57	.715
30	289.5	2.43	11.41	.536
10	779.7	6.54	18.61	.325

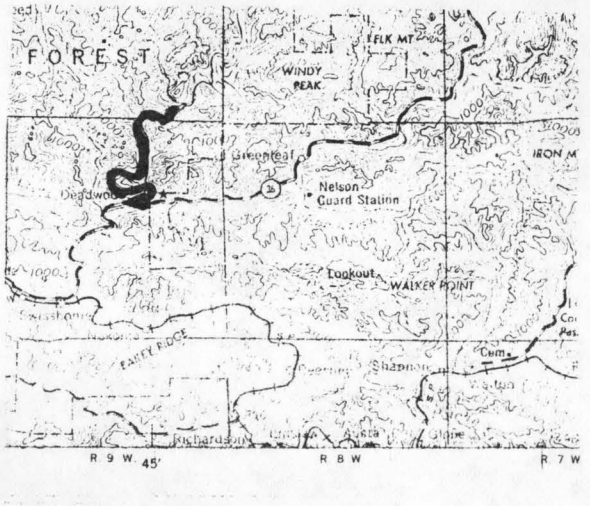
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 288 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM

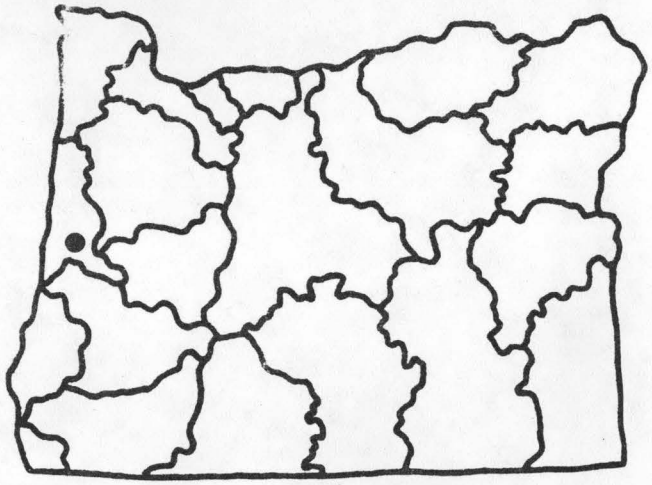


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-001-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 35, T16S, R9W
D.	Latitude, Longitude	44°09'N, 123°45'W
E.	Stream Name	West Fork Deadwood Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 0.7



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

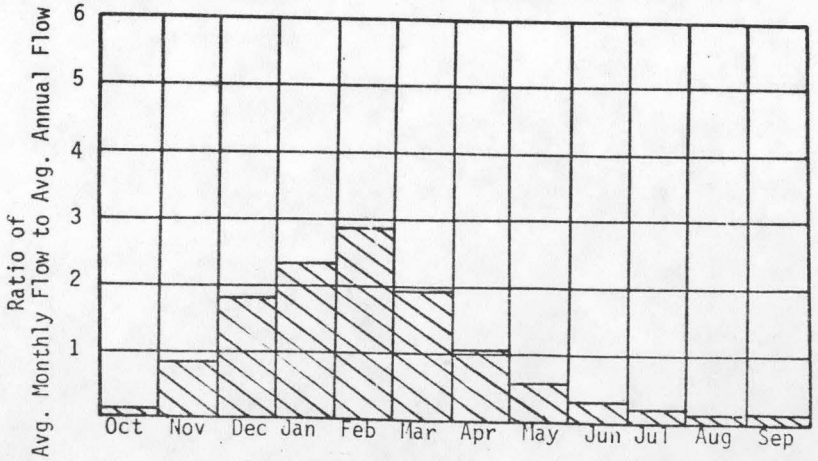
A.	Upstream Elevation of Reach	348	Ft. MSL
B.	Downstream Elevation of Reach	342	Ft. MSL
C.	Total Available Head in Reach	6	Ft.
D.	Average Slope in Reach	8.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq.Mi.
F.	Inflow Classification	Natural	

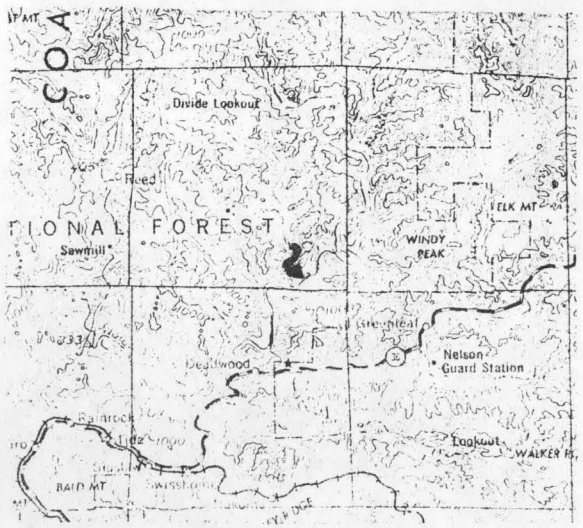
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.00	.02	1.000
80	8.3	.00	.03	.939
50	36.0	.02	.12	.717
30	80.6	.04	.19	.542
10	211.7	.11	.31	.330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 78 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-001-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 35, T16S, R9W
D.	Latitude, Longitude	44°12'N, 123°46'W
E.	Stream Name	West Fork Deadwood Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.7 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

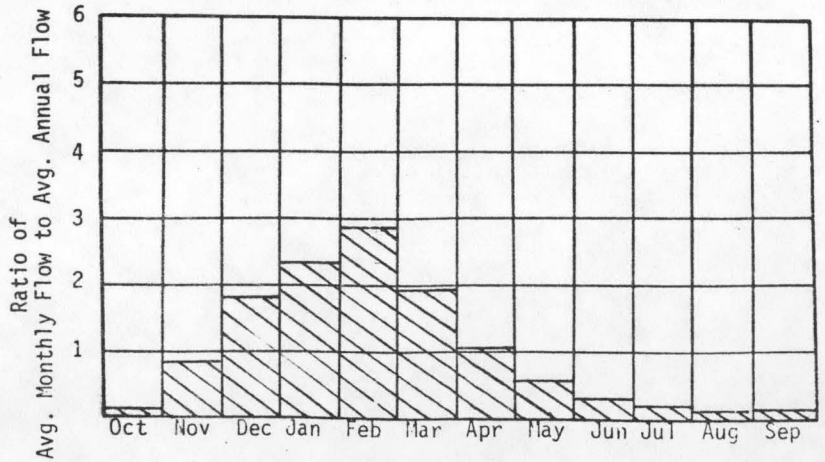
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	13	Sq.Mi.
F.	Inflow Classification	Natural	

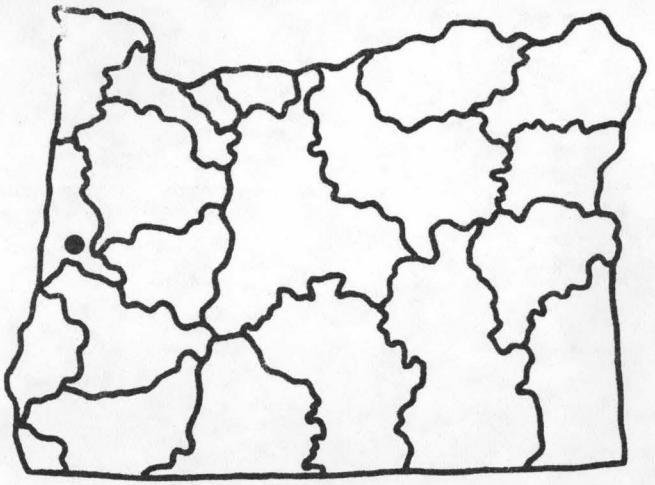
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.20	1.000
80	8.1	.05	.37	.939
50	34.9	.20	1.23	.717
30	78.1	.44	2.07	.542
10	205.1	1.15	3.32	.330

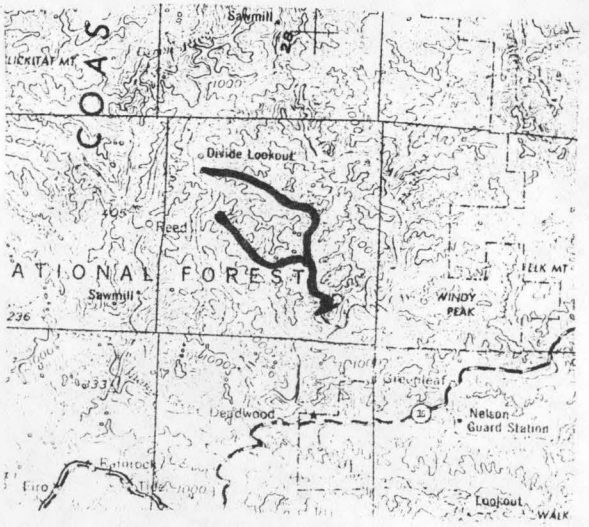
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 76 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 30, T16S, R8W
D.	Latitude, Longitude	44°11'N, 123°43'W
E.	Stream Name	Deadwood Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	6.5 to 15.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

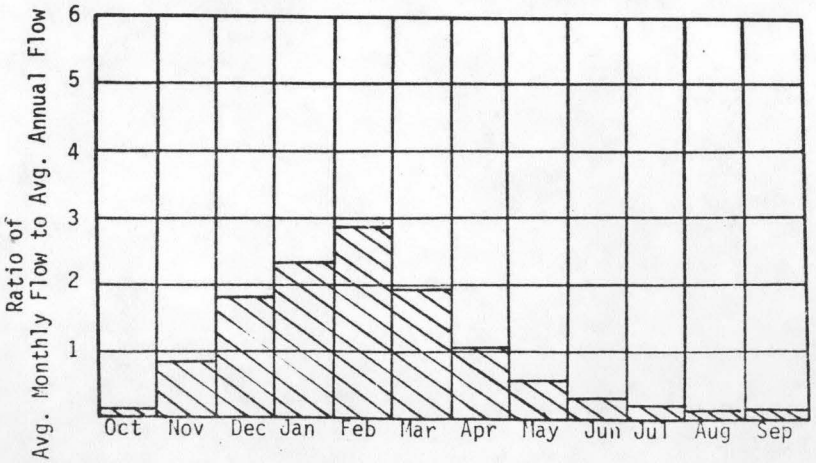
A.	Upstream Elevation of Reach	475	Ft. MSL
B.	Downstream Elevation of Reach	342	Ft. MSL
C.	Total Available Head in Reach	133	Ft.
D.	Average Slope in Reach	15.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	36	Sq.Mi.
F.	Inflow Classification	Natural	

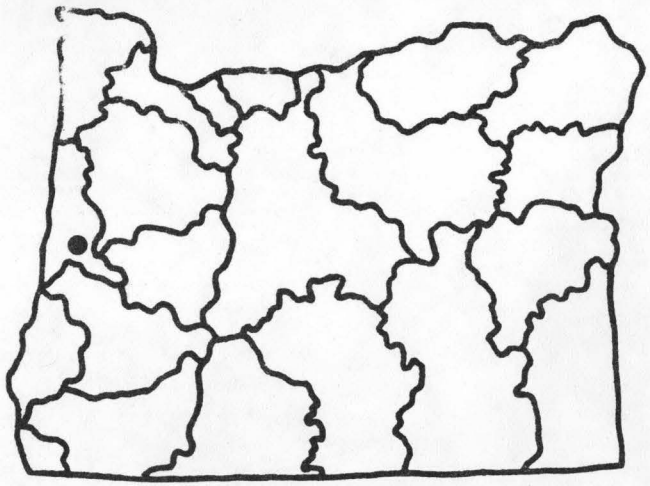
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.3	.09	.82	1.000
80	15.9	.18	1.48	.940
50	70.1	.79	4.95	.716
30	159.6	1.80	8.49	.539
10	425.1	4.79	13.73	.327

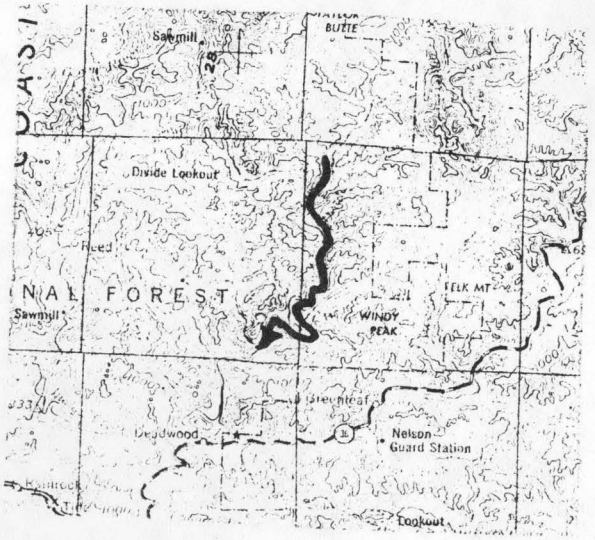
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 156 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 7, T15S, R8W
D.	Latitude, Longitude	44°14'N, 123°41'W
E.	Stream Name	Deadwood Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	15.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

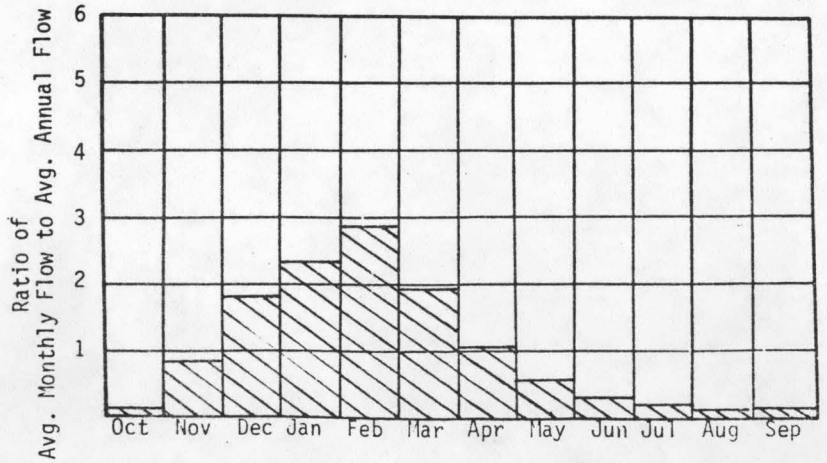
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	13	Sq.Mi.
F.	Inflow Classification	Natural	

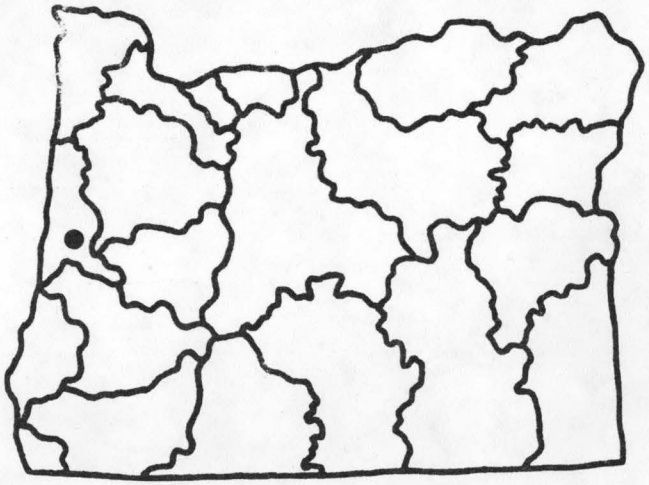
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.02	.21	1.000
80	8.3	.05	.38	.939
50	35.7	.20	1.25	.717
30	79.9	.45	2.12	.542
10	209.9	1.17	3.39	.330

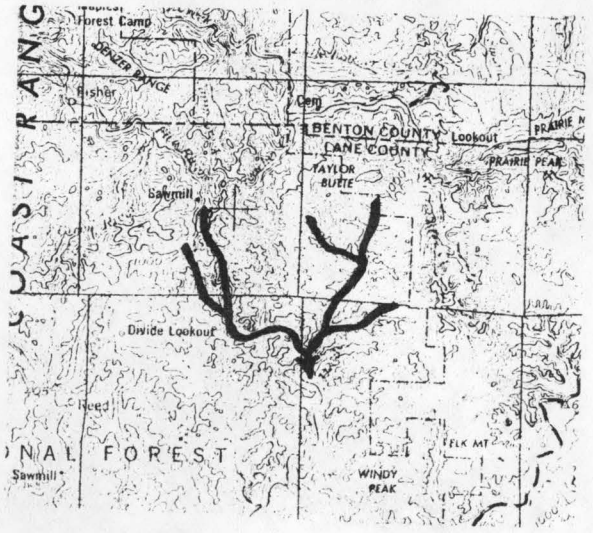
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 77 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 13, T17S, R9W
D.	Latitude, Longitude	44°05'N, 123°42'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	5.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

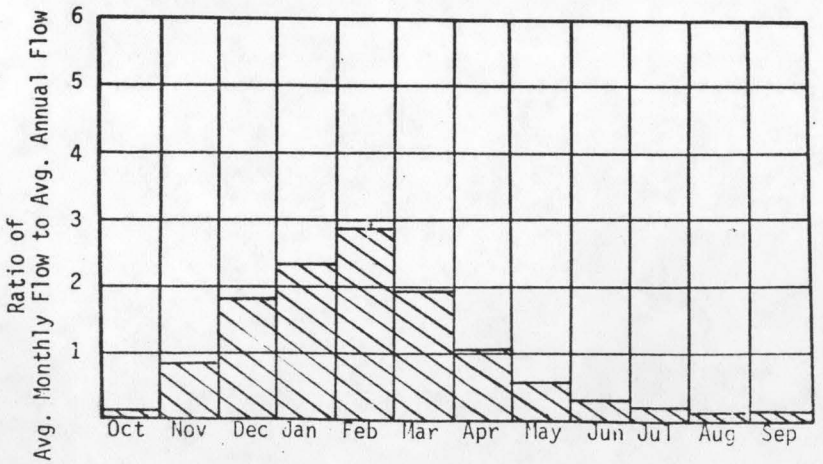
A.	Upstream Elevation of Reach	333	Ft. MSL
B.	Downstream Elevation of Reach	243	Ft. MSL
C.	Total Available Head in Reach	90	Ft.
D.	Average Slope in Reach	18	Ft./Mi.
E.	Drainage Area above Reach Mouth	104	Sq.Mi.
F.	Inflow Classification	Natural	

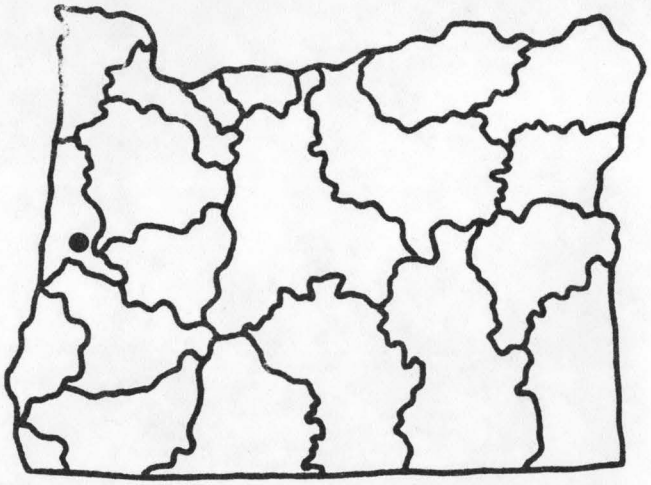
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	21.9	.17	1.47	1.000
80	41.1	.31	2.59	.942
50	186.6	1.42	8.91	.714
30	436.5	3.33	15.58	.534
10	1185.1	9.04	25.59	.323

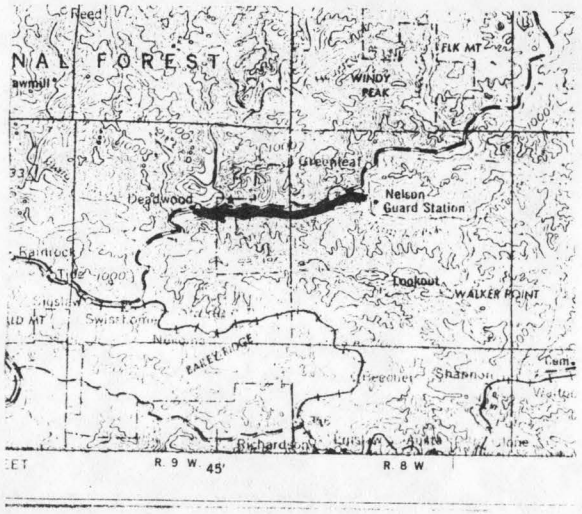
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 436 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 3, T17S, R8W
D.	Latitude, Longitude	44°07'N, 123°38'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	10.0 to 14.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

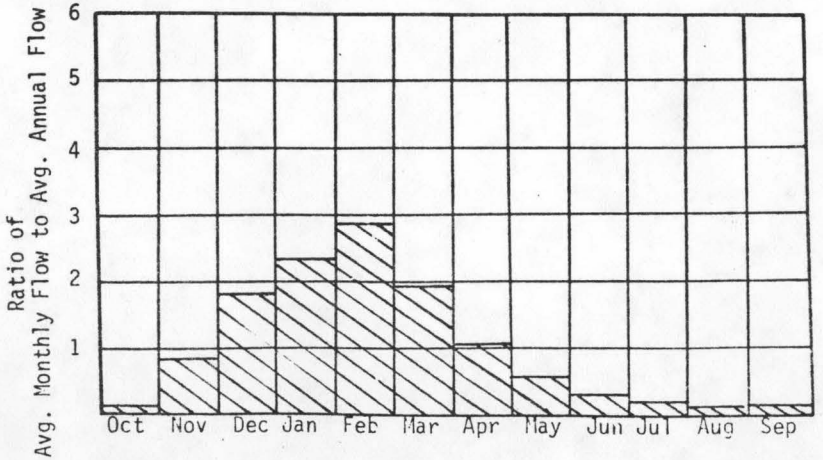
A.	Upstream Elevation of Reach	380	Ft. MSL
B.	Downstream Elevation of Reach	333	Ft. MSL
C.	Total Available Head in Reach	47	Ft.
D.	Average Slope in Reach	10.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	81	Sq.Mi.
F.	Inflow Classification	Natural	

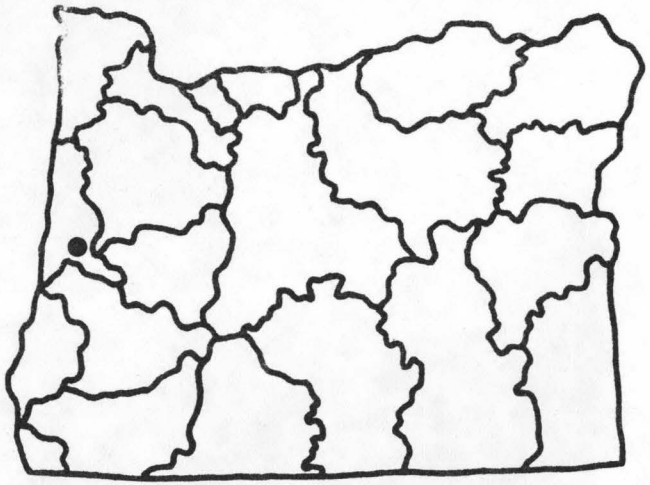
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	17.8	.07	.62	1.000
80	33.4	.13	1.10	.941
50	150.8	.60	3.76	.715
30	350.6	1.40	6.55	.535
10	947.8	3.78	10.72	.324

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 350 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SERIES
MAP NAME: SALEM

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Lane	
C. Township, Range	Sec. 30, T16S, R7W	
D. Latitude, Longitude	44°08'N, 123°36'W	
E. Stream Name	Lake Creek	
F. Major Basin Name	Mid Coast	
G. River Mile	14.5 to 19.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

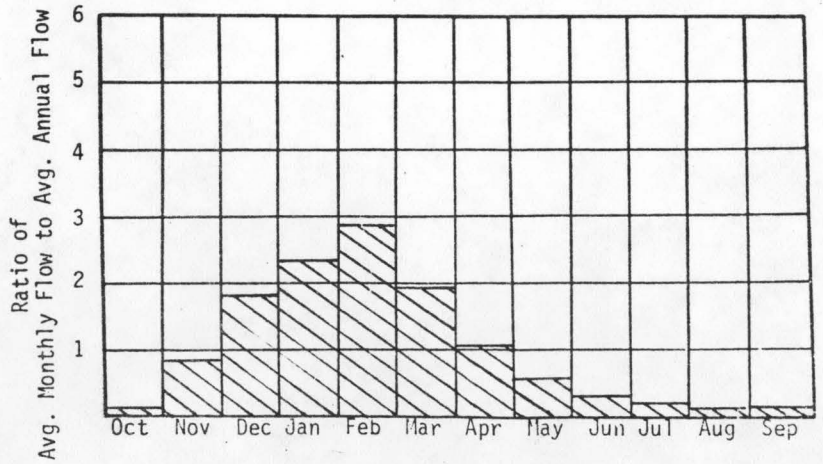
A. Upstream Elevation of Reach	600	Ft. MSL
B. Downstream Elevation of Reach	380	Ft. MSL
C. Total Available Head in Reach	220	Ft.
D. Average Slope in Reach	40	Ft./Mi.
E. Drainage Area above Reach Mouth	65	Sq.Mi.
F. Inflow Classification	Natural	

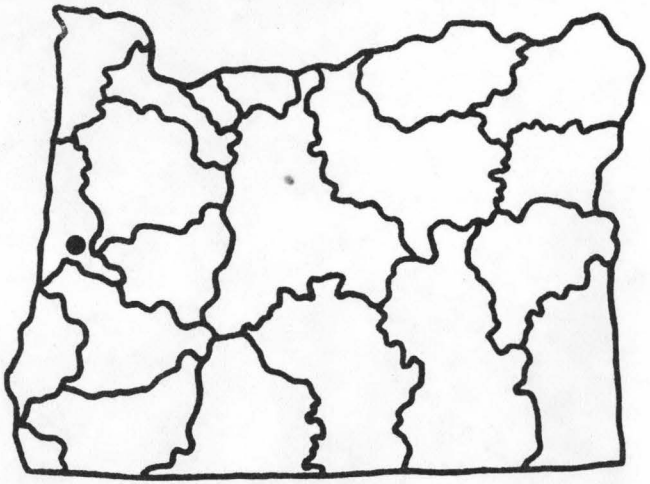
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.8	.24	2.09	1.000
80	24.3	.45	3.73	.941
50	108.5	2.02	12.68	.715
30	250.2	4.66	21.93	.537
10	671.9	12.53	35.71	.325

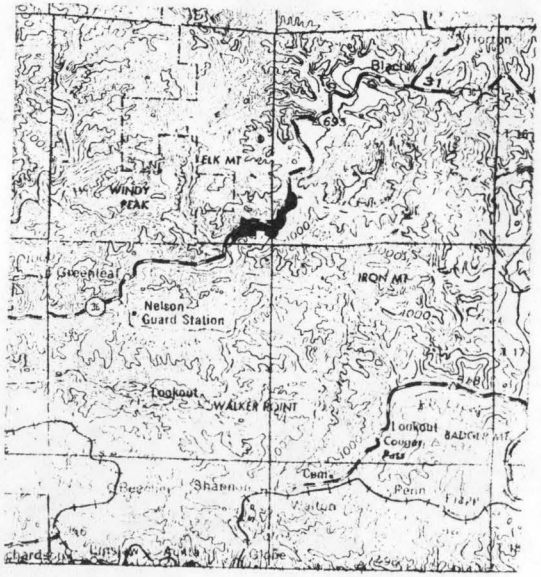
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 280 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 9, T16S, R7W
D.	Latitude, Longitude	44°11'N, 123°27'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	20.0 to 27.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

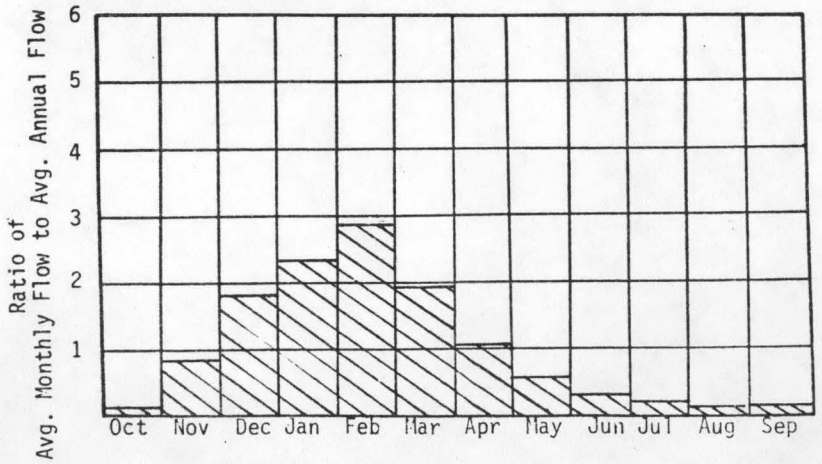
A.	Upstream Elevation of Reach	725	Ft. MSL
B.	Downstream Elevation of Reach	600	Ft. MSL
C.	Total Available Head in Reach	125	Ft.
D.	Average Slope in Reach	16.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	42	Sq.Mi.
F.	Inflow Classification	Natural	

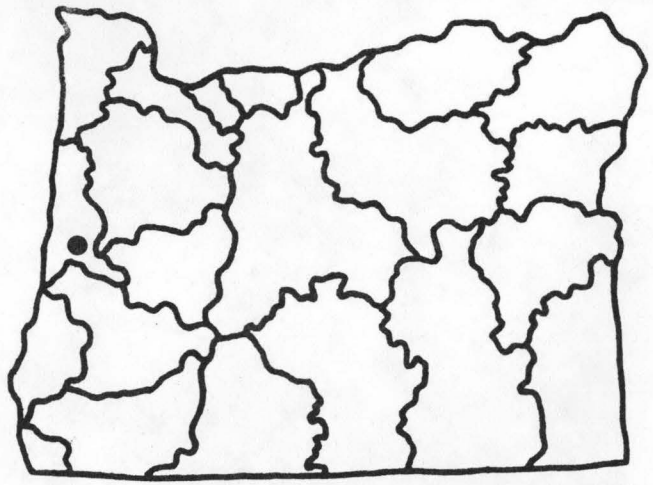
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.7	.09	.81	1.000
80	16.6	.18	1.45	.940
50	73.2	.78	4.86	.716
30	166.9	1.77	8.34	.538
10	444.9	4.71	13.50	.327

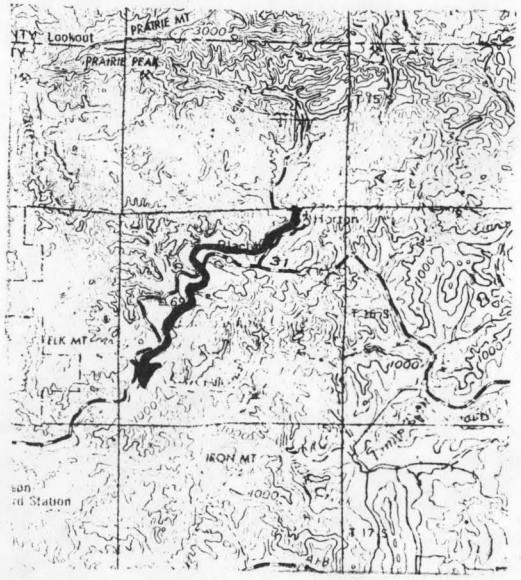
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 164 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM

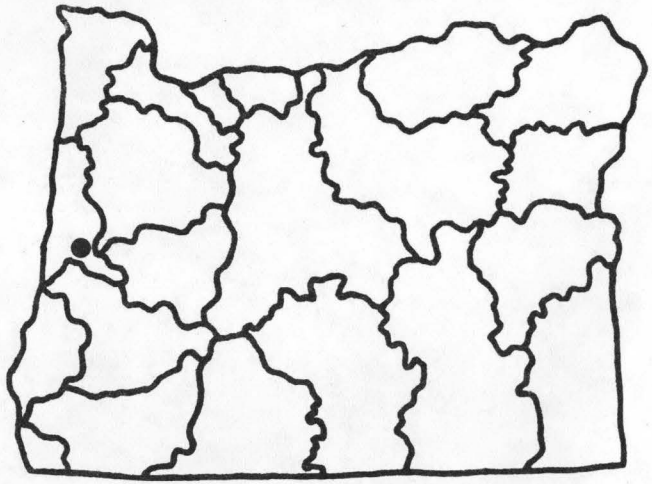


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 35, T15S, R7W
D.	Latitude, Longitude	44°15'N, 123°31'W
E.	Stream Name	Lake Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	27.6 to H.W.



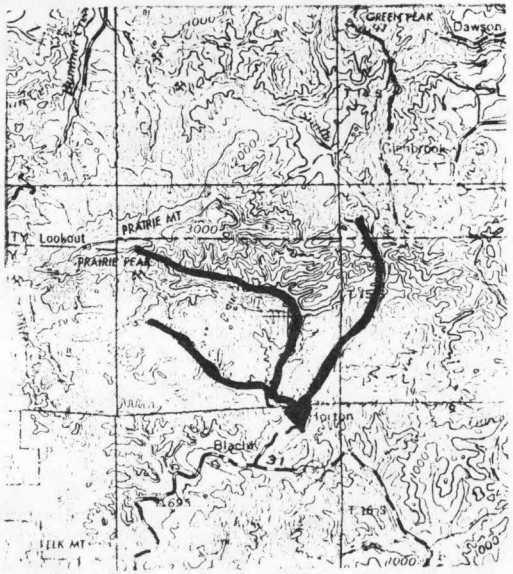
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	24	Sq.Mi.
F.	Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

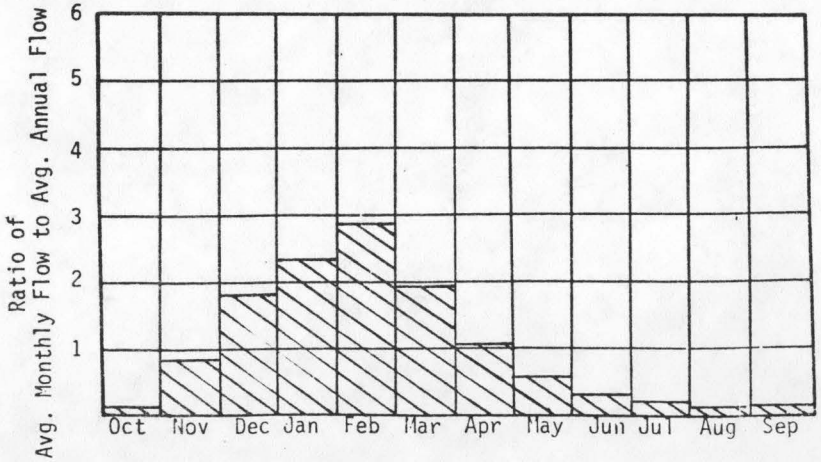
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.5	.04	.32	1.000
80	12.5	.07	.58	.940
50	54.8	.31	1.92	.716
30	123.9	.69	3.28	.540
10	328.4	1.84	5.28	.328

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM



IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 121 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 35, T19S, R9W
D.	Latitude, Longitude	44°03'N, 123°44'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	29.2 to 37.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

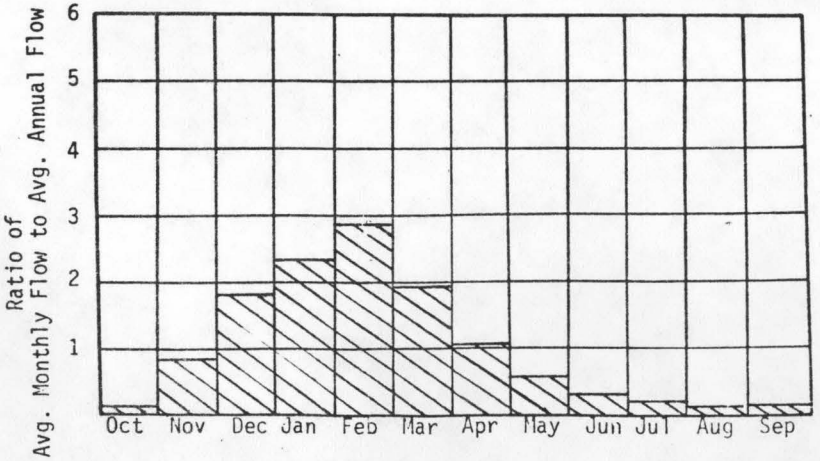
A.	Upstream Elevation of Reach	192	Ft. MSL
B.	Downstream Elevation of Reach	56	Ft. MSL
C.	Total Available Head in Reach	136	Ft.
D.	Average Slope in Reach	17	Ft./Mi.
E.	Drainage Area above Reach Mouth	348	Sq.Mi.
F.	Inflow Classification	Natural	

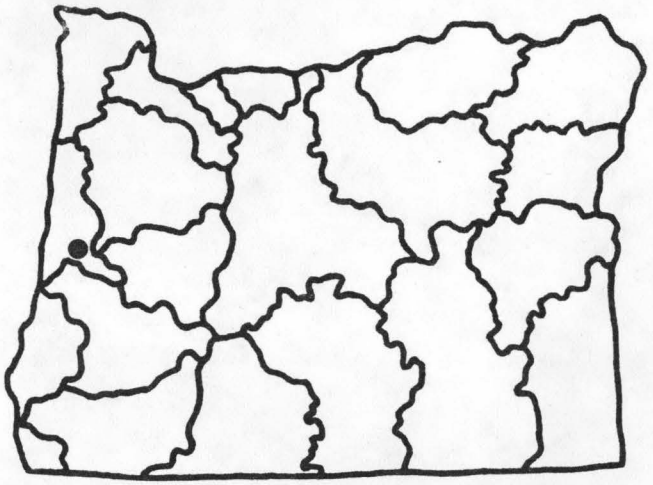
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	48.6	.56	4.91	1.000
80	89.6	1.03	8.53	.943
50	416.1	4.80	29.96	.713
30	994.7	11.46	53.32	.531
10	2743.5	31.62	88.64	.320

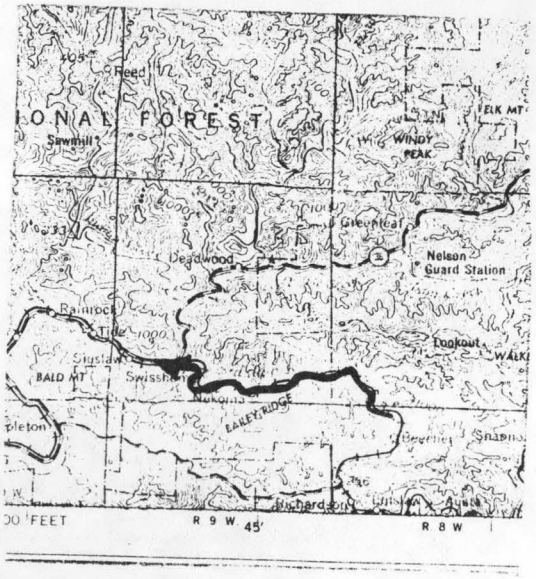
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1012 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655 -000-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 18, T18S, R8W
D.	Latitude, Longitude	44°00'N, 123°42'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	37.0 to 44.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

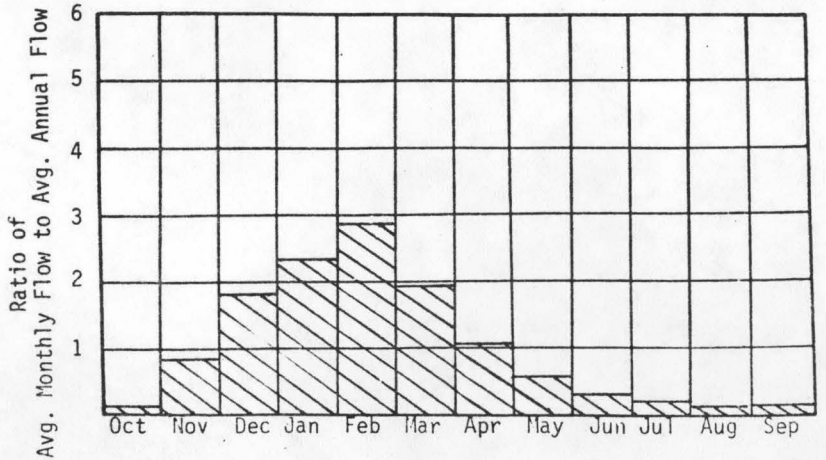
A.	Upstream Elevation of Reach	285	Ft. MSL
B.	Downstream Elevation of Reach	192	Ft. MSL
C.	Total Available Head in Reach	93	Ft.
D.	Average Slope in Reach	12	Ft./Mi.
E.	Drainage Area above Reach Mouth	328	Sq.Mi.
F.	Inflow Classification	Natural	

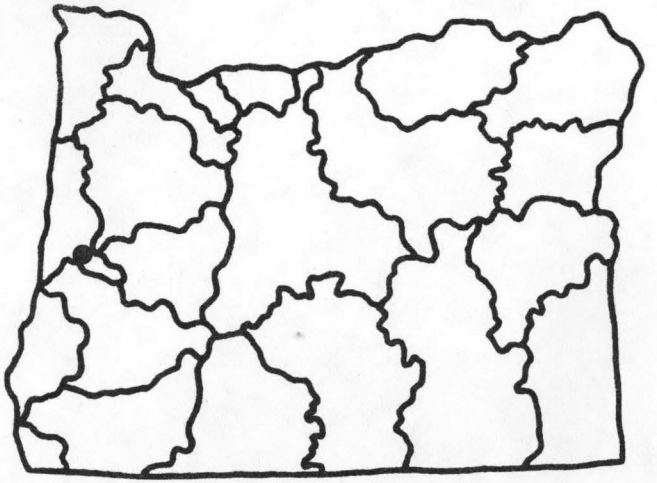
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	44.9	.35	3.10	1.000
80	83.0	.65	5.40	.943
50	384.5	3.03	18.93	.713
30	917.3	7.23	33.65	.531
10	2526.0	19.91	55.86	.320

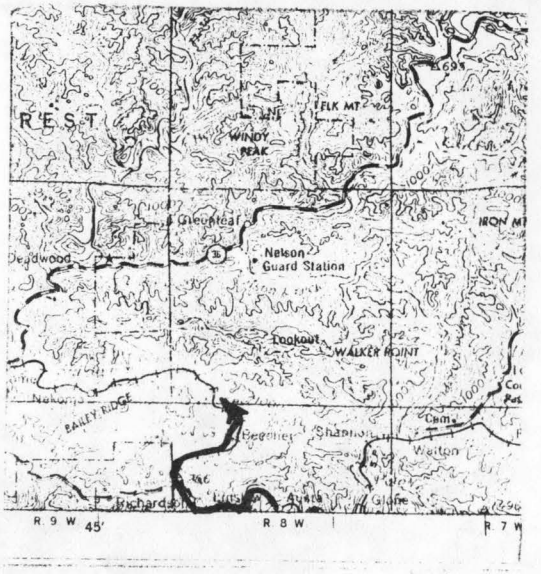
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 931 CFS





U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-048-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 24, T18S, R8W
D.	Latitude, Longitude	44°00'N, 123° 36'W
E.	Stream Name	Wildcat Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 7.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

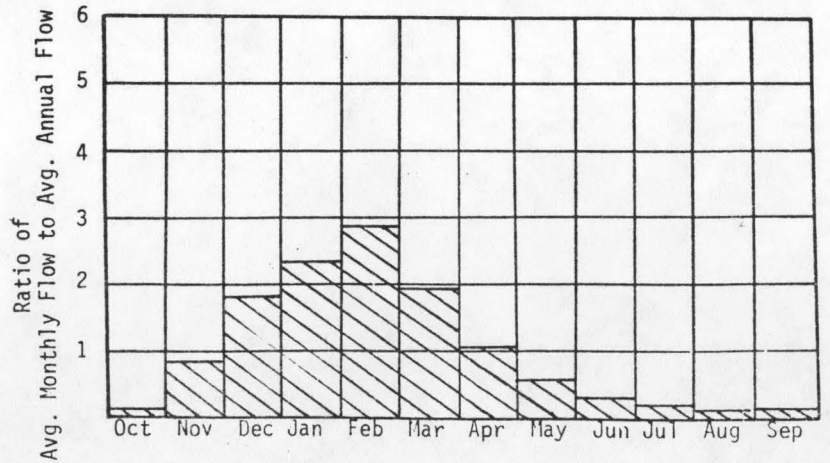
A.	Upstream Elevation of Reach	355	Ft. MSL
B.	Downstream Elevation of Reach	285	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	9	Ft./Mi.
E.	Drainage Area above Reach Mouth	53	Sq.Mi.
F.	Inflow Classification	Natural	

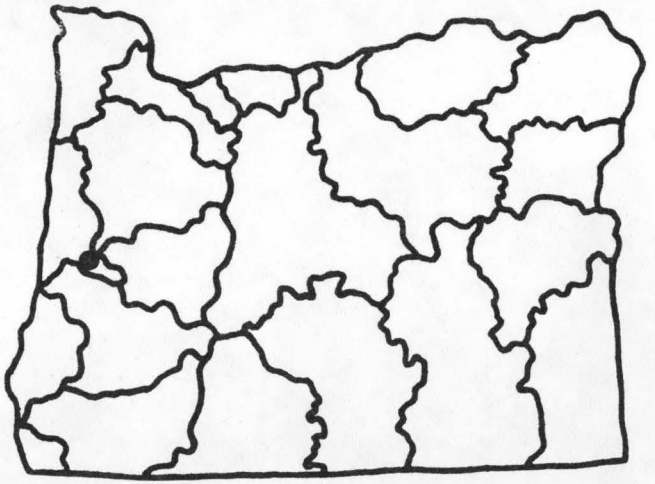
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.2	.05	.42	1.000
80	15.6	.09	.76	.940
50	68.9	.41	2.56	.716
30	156.9	.93	4.39	.539
10	417.8	2.48	7.11	.327

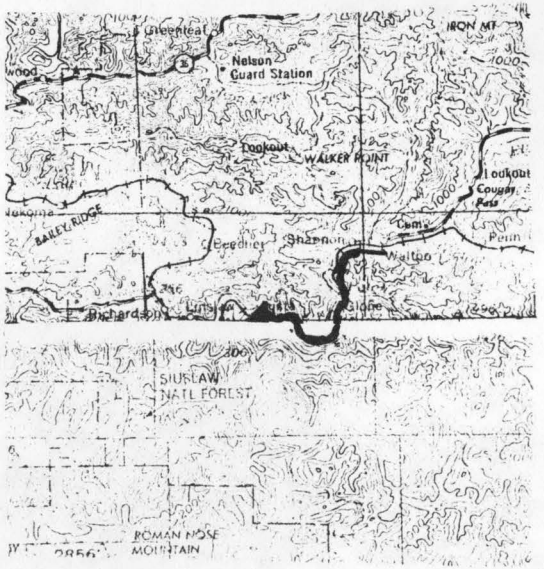
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 154 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: SALEM-ROSEBURG

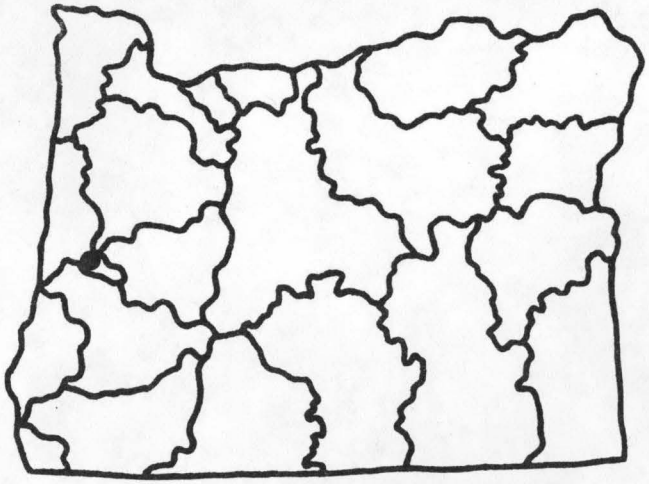


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-048-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 6, T18S, R7W
D.	Latitude, Longitude	44°01', 123°32'W
E.	Stream Name	Wildcat Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	7.8 to H.W.



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	33.0	Sq.Mi.
F.	Inflow Classification	Natural	

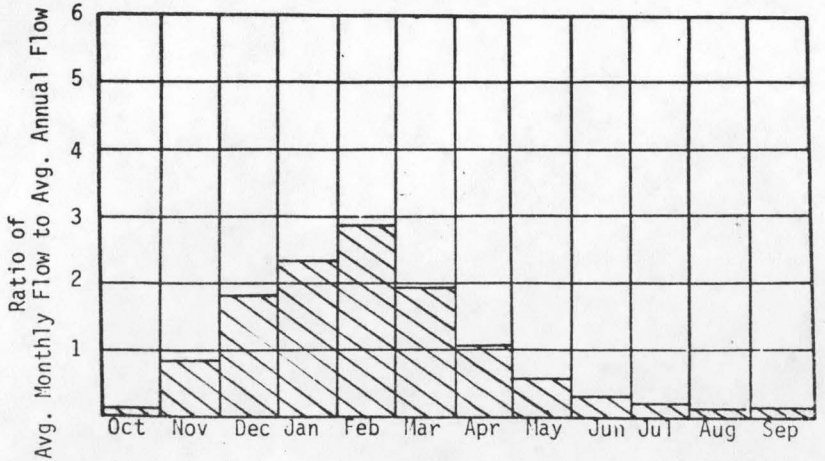
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.3	.04	.31	1.000
80	12.1	.07	.56	.940
50	52.9	.30	1.86	.716
30	119.6	.67	3.16	.540
10	316.7	1.77	5.09	.328

U.S.G.S. TOPO SERIES
1:250,000 SCALE
MAP NAME: SALEM

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 117 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 21, T18S, R8W
D.	Latitude, Longitude	44°00'N, 123°40'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	44.7 to 46.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

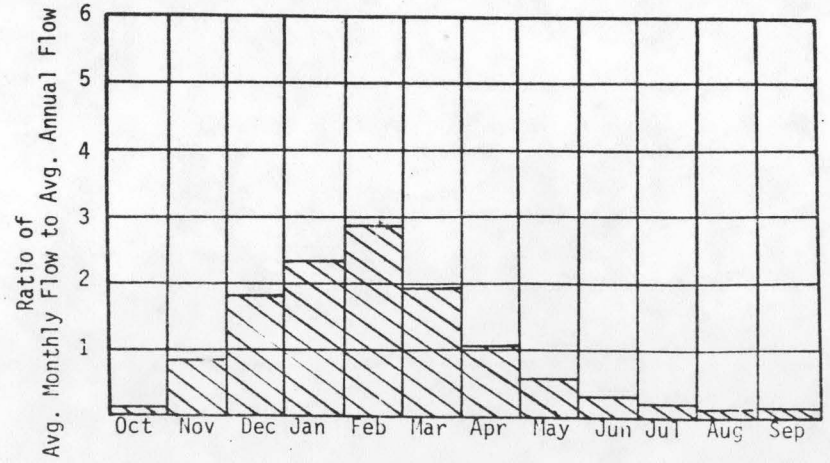
A.	Upstream Elevation of Reach	293	Ft. MSL
B.	Downstream Elevation of Reach	285	Ft. MSL
C.	Total Available Head in Reach	8	Ft.
D.	Average Slope in Reach	4.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	256	Sq.Mi.
F.	Inflow Classification	Natural	

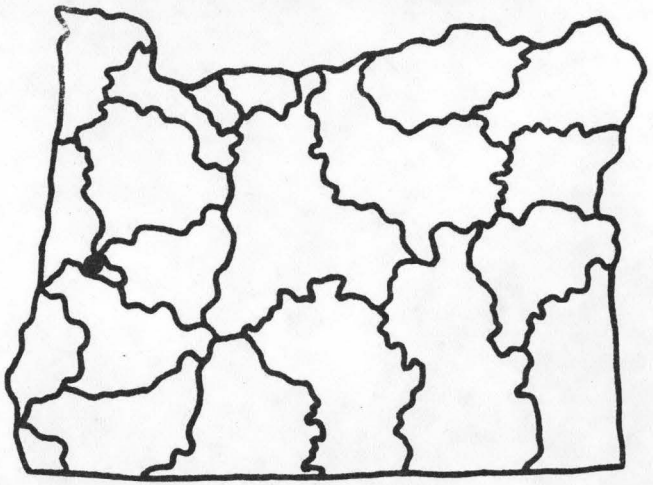
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	35.4	.02	.21	1.000
80	65.8	.04	.37	.942
50	302.5	.21	1.28	.714
30	717.0	.49	2.27	.532
10	1965.1	1.33	3.75	.321

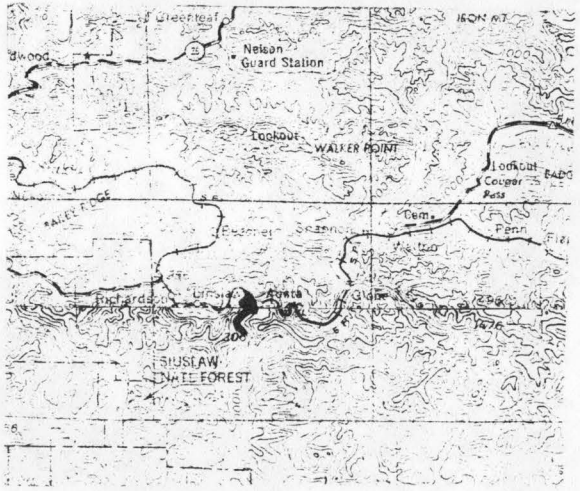
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 724 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0008

I. LOCATION

A. State	Oregon	
B. County	Lane	
C. Township, Range	Sec. 27, T18S, R8W	
D. Latitude, Longitude	43°57'N, 123°38'W	
E. Stream Name	Siuslaw River	
F. Major Basin Name	Mid Coast	
G. River Mile	46.4 to 54.1	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

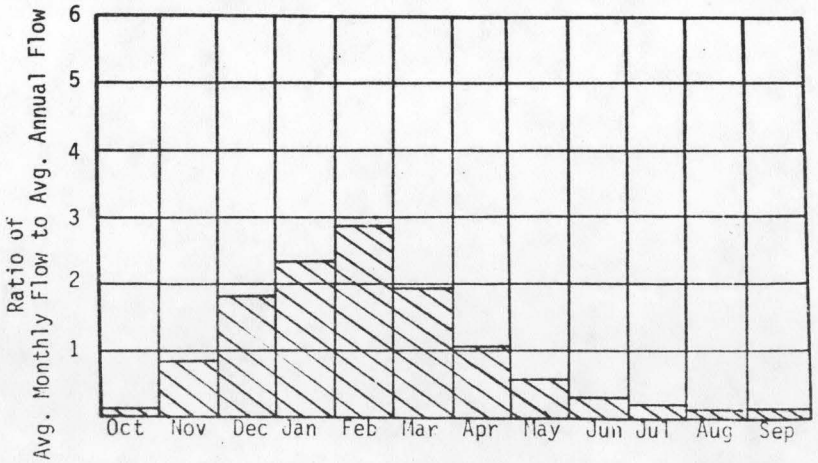
A. Upstream Elevation of Reach	337	Ft. MSL
B. Downstream Elevation of Reach	293	Ft. MSL
C. Total Available Head in Reach	44	Ft.
D. Average Slope in Reach	5.7	Ft./Mi.
E. Drainage Area above Reach Mouth	242	Sq.Mi.
F. Inflow Classification	Natural	

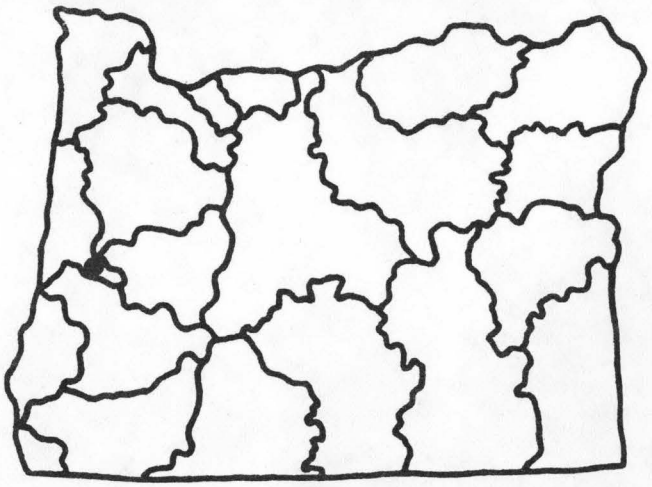
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	32.3	.12	1.06	1.000
80	60.2	.22	1.85	.942
50	276.0	1.03	6.44	.714
30	652.6	2.43	11.35	.533
10	1785.4	6.66	18.76	.322

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 658 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-054-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 36, T18S, R8W
D.	Latitude, Longitude	43°58'N, 123°36'W
E.	Stream Name	Wolf Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 3.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

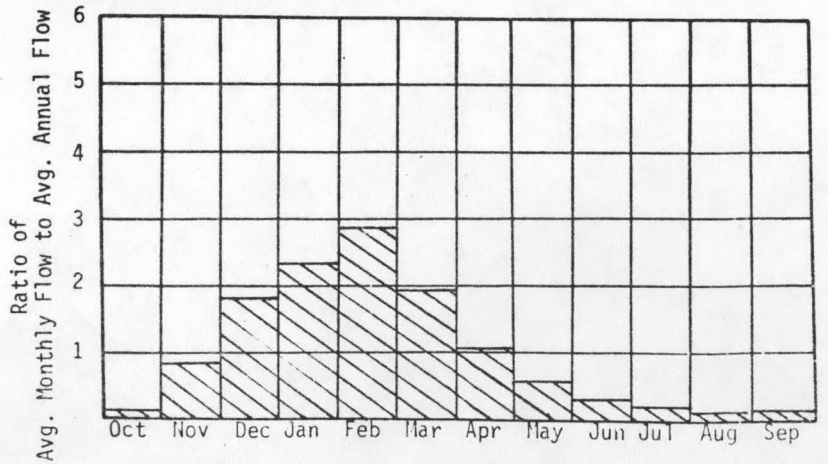
A.	Upstream Elevation of Reach	428	Ft. MSL
B.	Downstream Elevation of Reach	337	Ft. MSL
C.	Total Available Head in Reach	91	Ft.
D.	Average Slope in Reach	30.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	58	Sq.Mi.
F.	Inflow Classification	Natural	

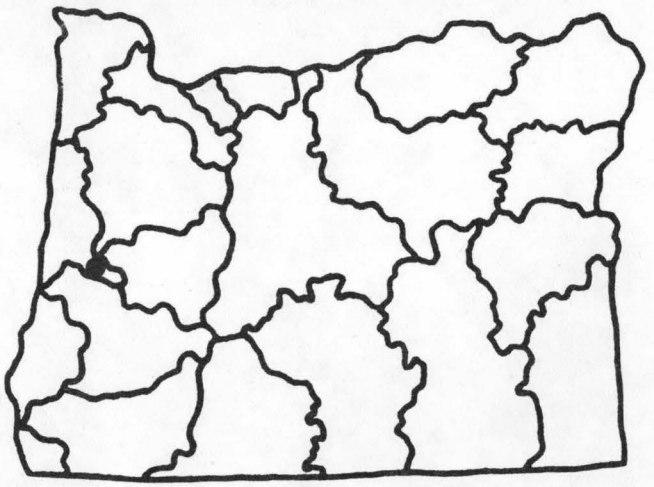
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.0	.07	.61	1.000
80	17.2	.13	1.09	.940
50	76.1	.59	3.68	.716
30	173.8	1.34	6.32	.538
10	463.6	3.58	10.24	.327

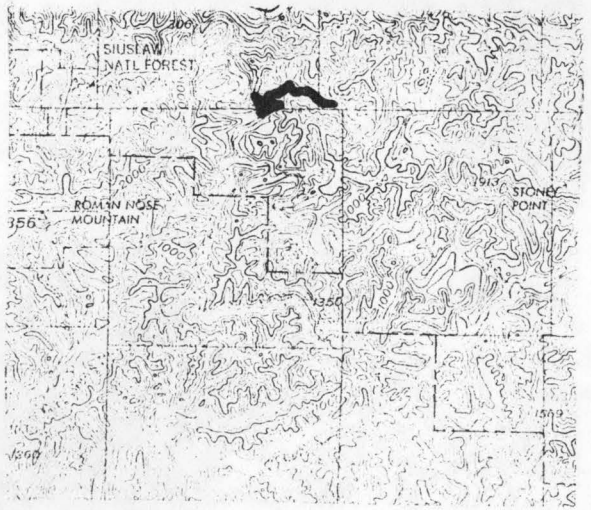
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 171 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

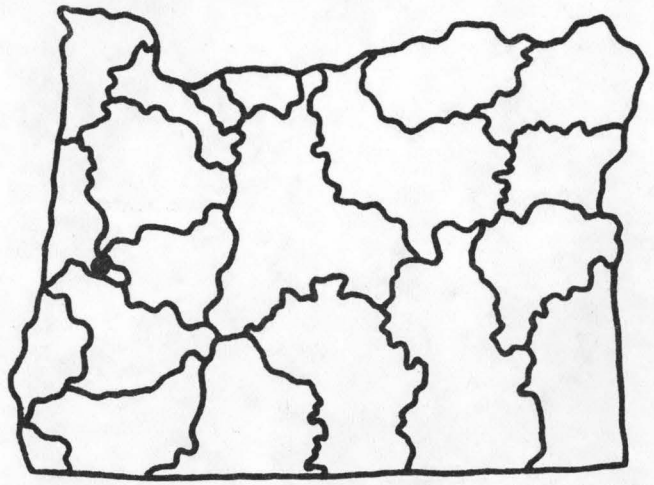


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-054-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 33, T18S, R7W
D.	Latitude, Longitude	43°57'N, 123°32'W
E.	Stream Name	Wolf Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	3.0 to 15.4



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

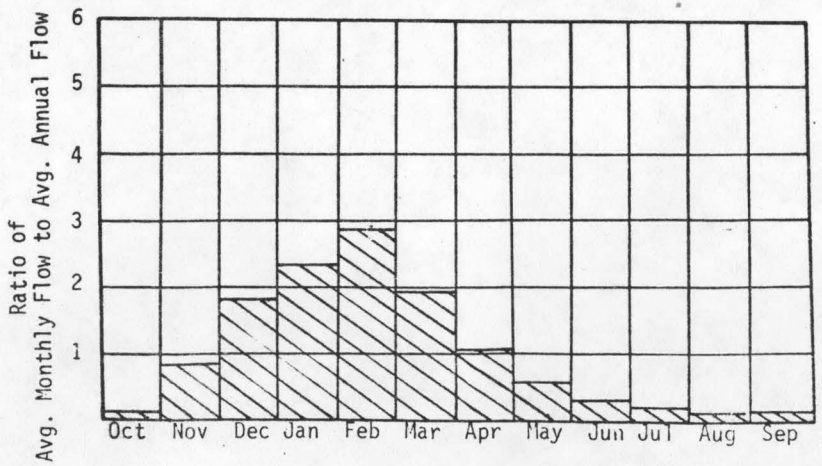
A.	Upstream Elevation of Reach	535	Ft. MSL
B.	Downstream Elevation of Reach	428	Ft. MSL
C.	Total Available Head in Reach	107	Ft.
D.	Average Slope in Reach	8.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	53	Sq.Mi.
F.	Inflow Classification	Natural	

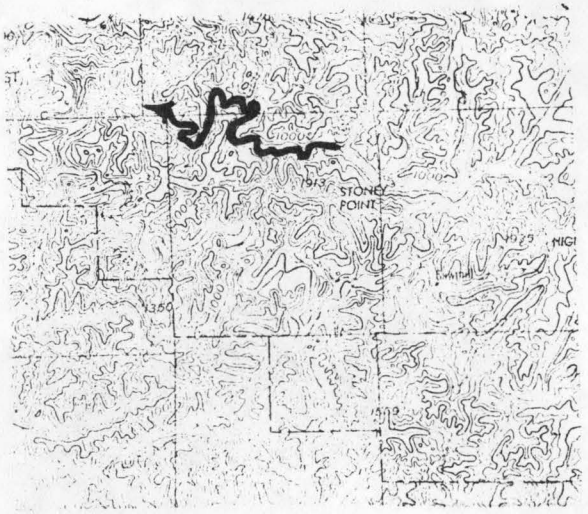
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.8	.06	.54	1.000
80	13.1	.12	.98	.940
50	57.3	.52	3.26	.716
30	129.8	1.18	5.56	.540
10	344.3	3.12	8.97	.328

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 127 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-054-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 2, T19S, R6W
D.	Latitude, Longitude	43°57'N, 123°29'W
E.	Stream Name	Wolf Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	15.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

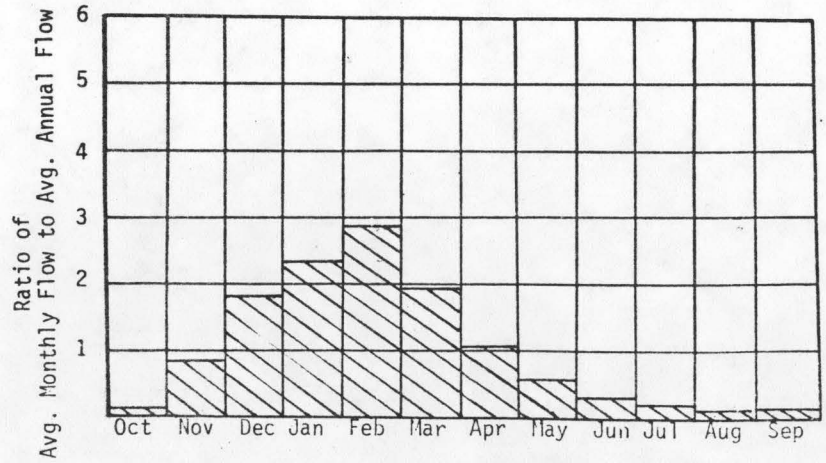
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	31	Sq.Mi.
F.	Inflow Classification	Natural	

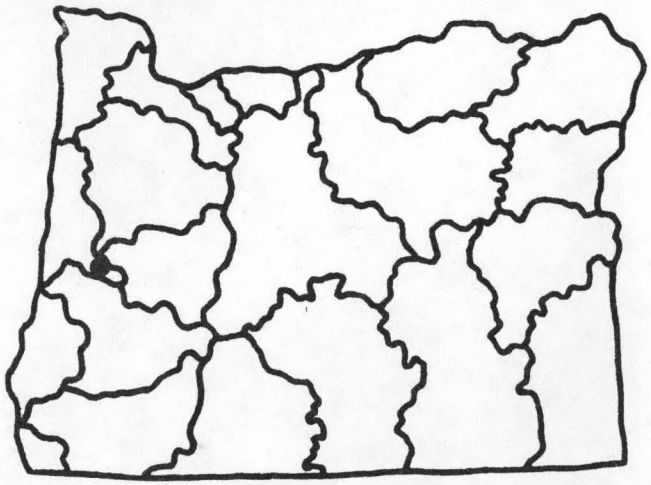
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.0	.03	.25	1.000
80	9.7	.05	.45	.940
50	42.0	.24	1.48	.717
30	94.4	.53	2.50	.541
10	249.0	1.39	4.02	.329

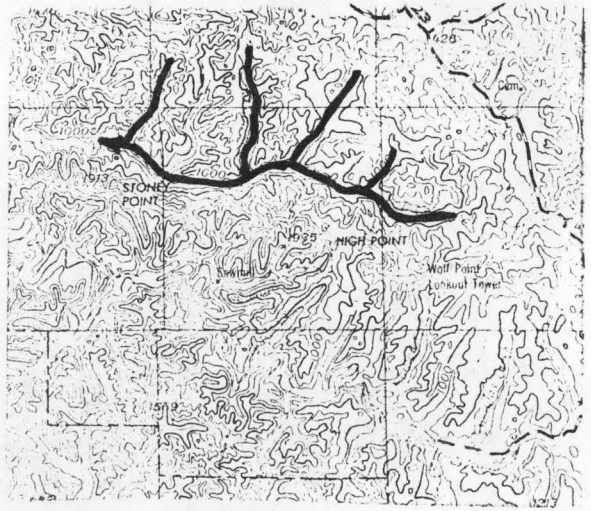
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 92 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0009

I. LOCATION

A. State	Oregon	
B. County	Lane	
C. Township, Range	Sec. 3, T19S, R8W	
D. Latitude, Longitude	43°56'N, 123°38'W	
E. Stream Name	Siuslaw River	
F. Major Basin Name	Mid Coast	
G. River Mile	54.1 to 56.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

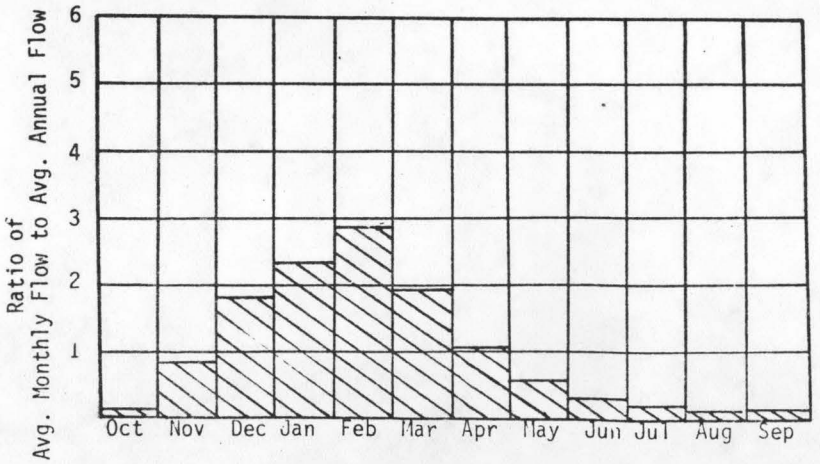
A. Upstream Elevation of Reach	360	Ft. MSL
B. Downstream Elevation of Reach	337	Ft. MSL
C. Total Available Head in Reach	23	Ft.
D. Average Slope in Reach	9.6	Ft./Mi.
E. Drainage Area above Reach Mouth	178	Sq.Mi.
F. Inflow Classification	Natural	

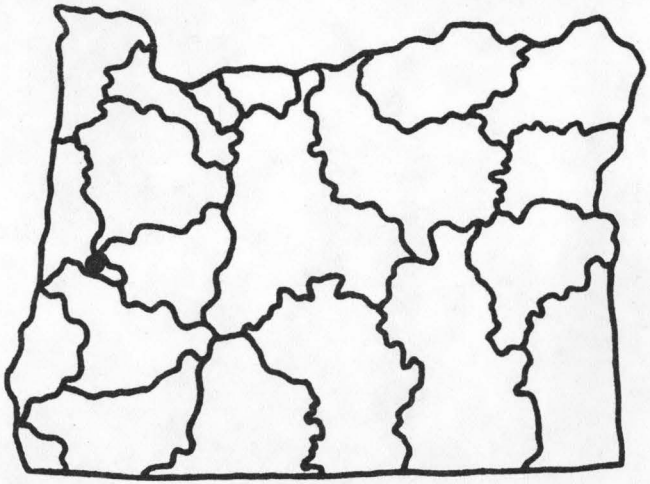
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	24.2	.05	.41	1.000
80	45.2	.09	.73	.942
50	205.7	.40	2.51	.714
30	482.3	.94	4.40	.534
10	1311.9	2.56	7.23	.323

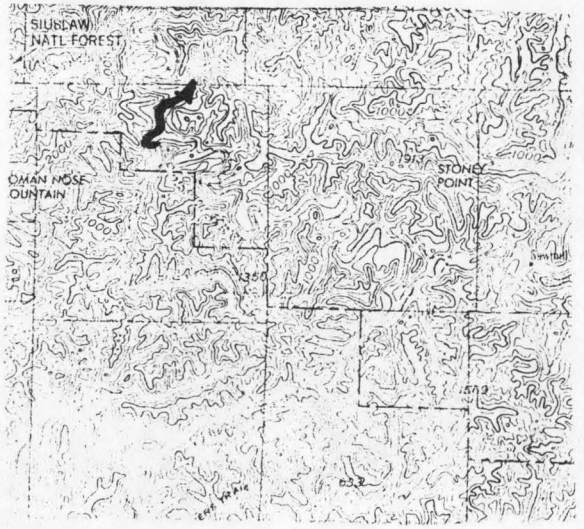
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 484 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-057-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 9, T19S, R8W
D.	Latitude, Longitude	43°54'N, 123°40'W
E.	Stream Name	Esmond Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

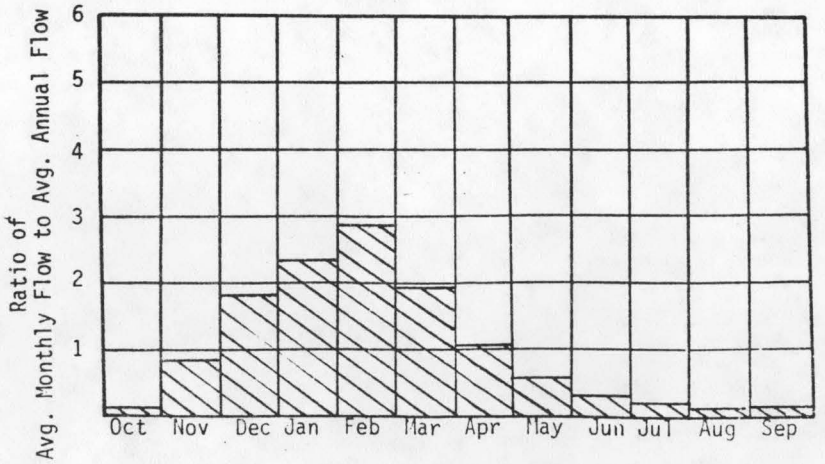
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	18	Sq.Mi.
F.	Inflow Classification	Natural	

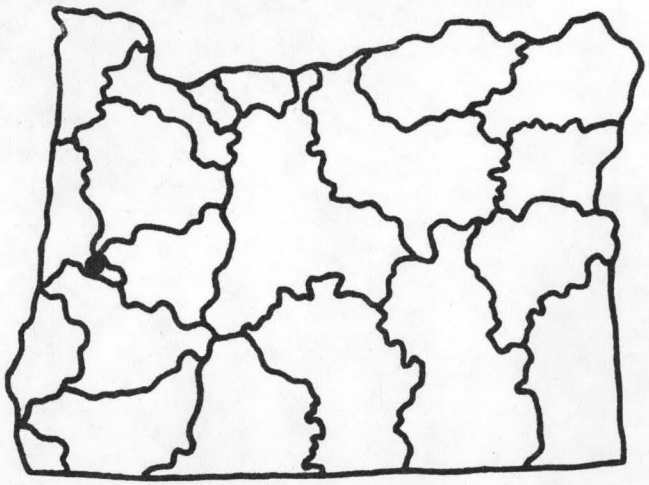
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.02	.21	1.000
80	8.3	.05	.38	.939
50	36.1	.20	1.27	.717
30	80.7	.45	2.14	.542
10	212.1	1.19	3.43	.330

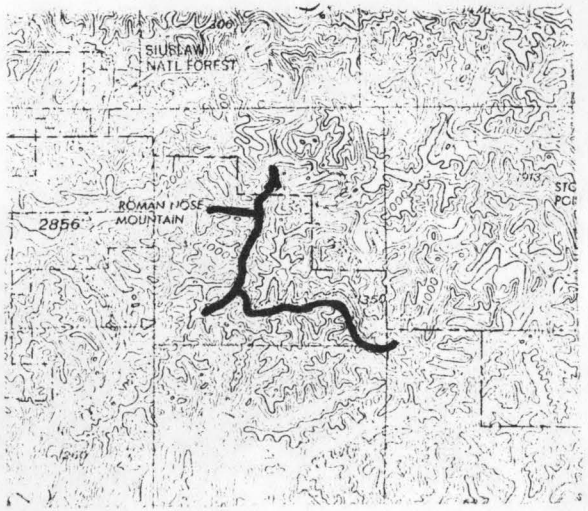
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 78 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0010

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 11, T19S, R8W
D.	Latitude, Longitude	43°54'N, 123°37'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	56.5 to 65.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

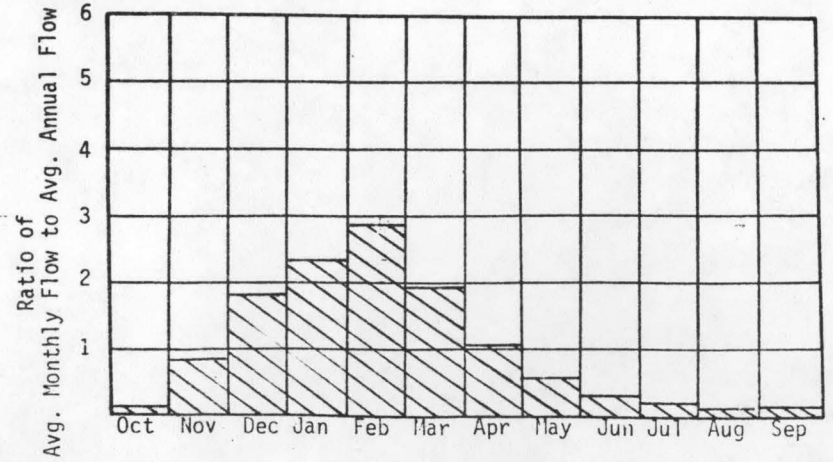
A.	Upstream Elevation of Reach	380	Ft. MSL
B.	Downstream Elevation of Reach	360	Ft. MSL
C.	Total Available Head in Reach	20	Ft.
D.	Average Slope in Reach	2.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	157	Sq.Mi.
F.	Inflow Classification	Natural	

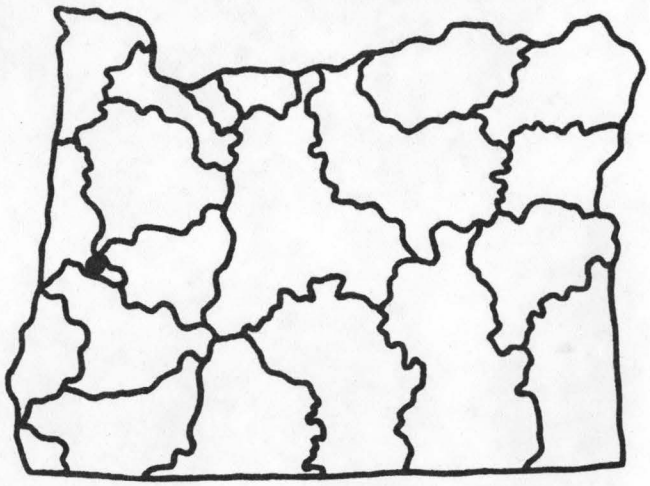
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	19.8	.03	.29	1.000
80	37.2	.06	.52	.942
50	168.3	.29	1.79	.714
30	392.5	.67	3.12	.535
10	1063.4	1.80	5.11	.324

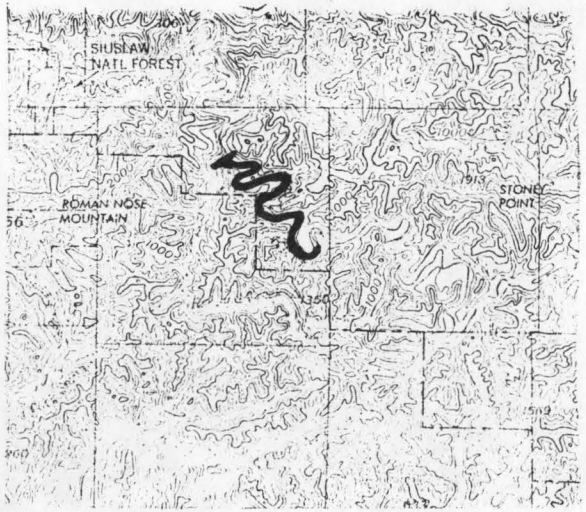
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 392 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0011

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 20, T19S, R7W
D.	Latitude, Longitude	43°54'N, 123°33'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	65.0 to 75.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

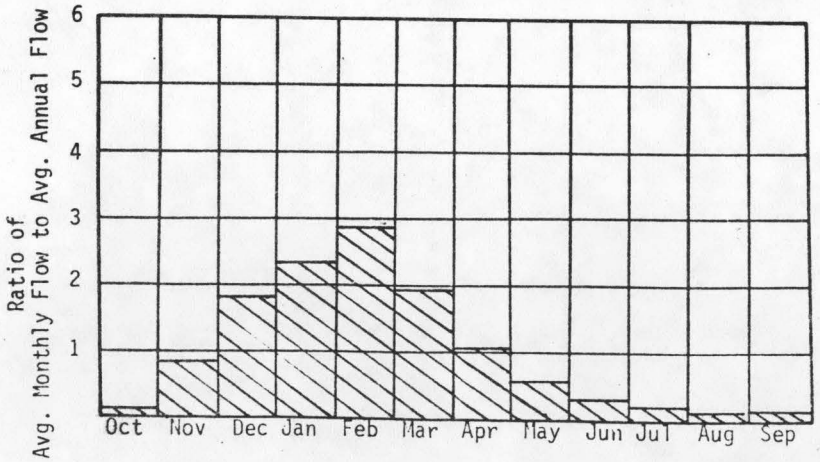
A.	Upstream Elevation of Reach	435	Ft. MSL
B.	Downstream Elevation of Reach	380	Ft. MSL
C.	Total Available Head in Reach	55	Ft.
D.	Average Slope in Reach	5.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	145	Sq.Mi.
F.	Inflow Classification	Natural	

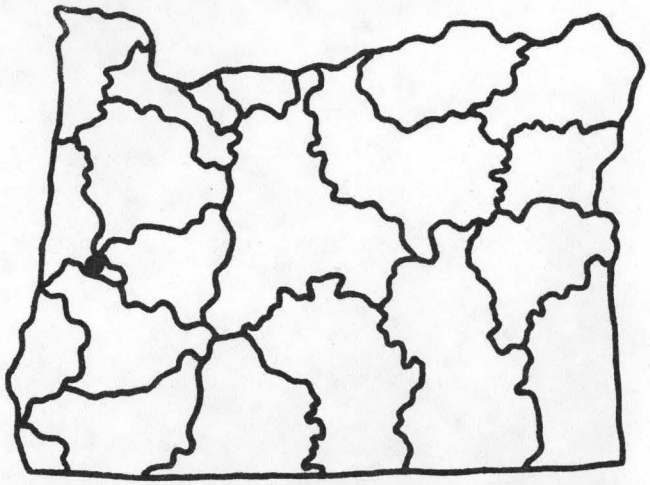
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	17.8	.08	.73	1.000
80	33.5	.16	1.29	.941
50	151.1	.70	4.41	.715
30	351.3	1.64	7.68	.535
10	949.8	4.43	12.57	.324

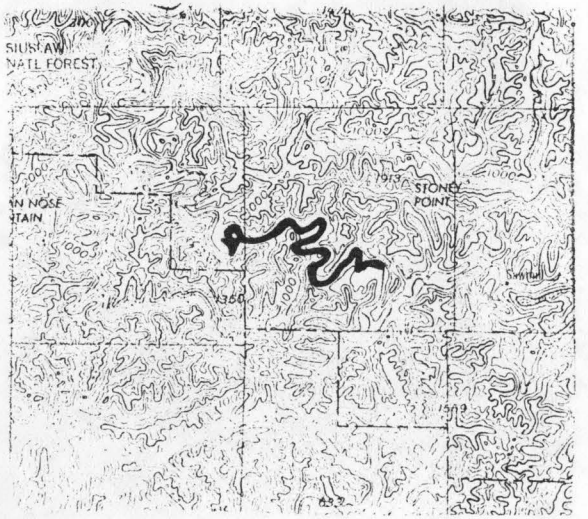
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 350 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0012

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 35, T19S, R7W
D.	Latitude, Longitude	43°53'N, 123° 30'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	75.0 to 85.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

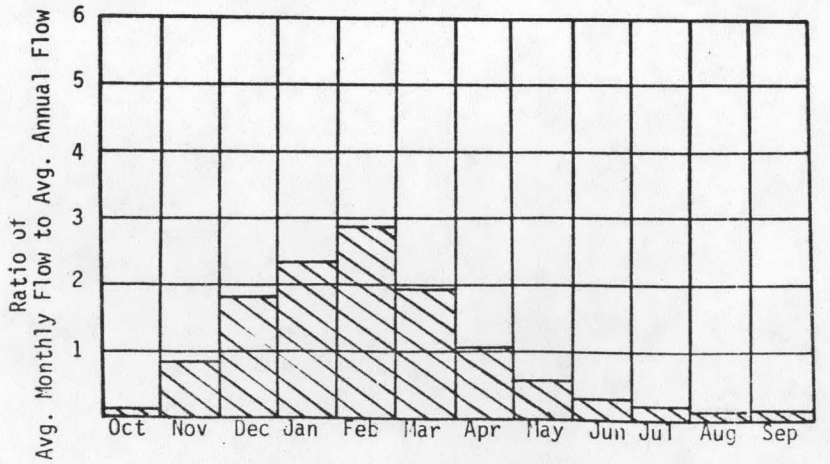
A.	Upstream Elevation of Reach	494	Ft. MSL
B.	Downstream Elevation of Reach	435	Ft. MSL
C.	Total Available Head in Reach	60	Ft.
D.	Average Slope in Reach	6	Ft./Mi.
E.	Drainage Area above Reach Mouth	130	Sq.Mi.
F.	Inflow Classification	Natural	

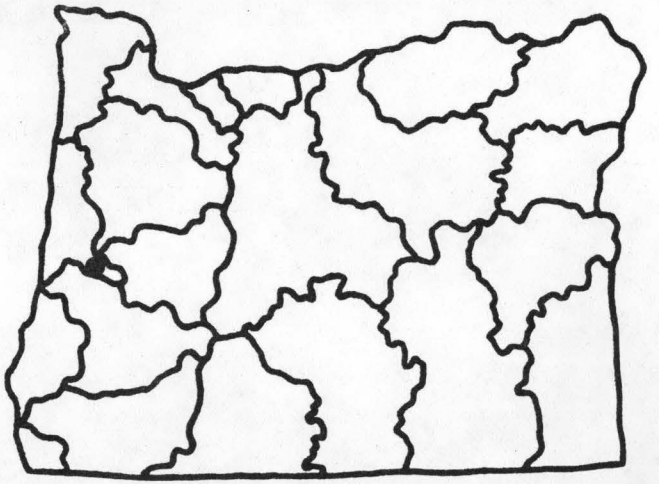
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.4	.08	.69	1.000
80	29.1	.15	1.22	.941
50	130.9	.67	4.17	.715
30	303.1	1.54	7.24	.536
10	817.2	4.16	11.82	.325

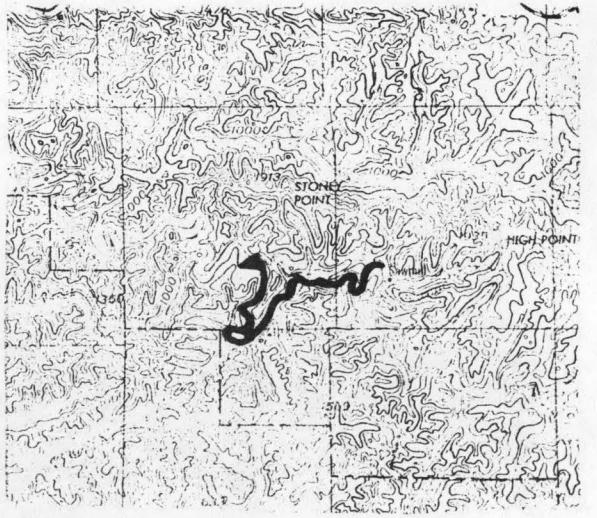
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 302 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

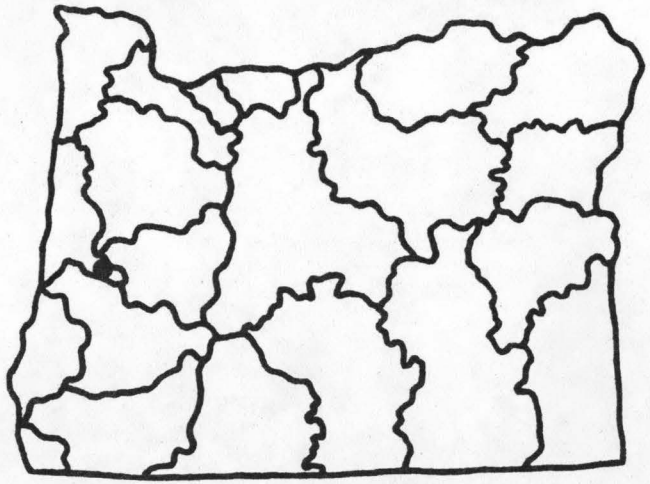


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0013

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 5, T20S, R6W
D.	Latitude, Longitude	43°52'N, 123°25'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	85.0 to 95.0



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	530	Ft. MSL
B.	Downstream Elevation of Reach	494	Ft. MSL
C.	Total Available Head in Reach	36	Ft.
D.	Average Slope in Reach	3.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	110	Sq.Mi.
F.	Inflow Classification	Natural	

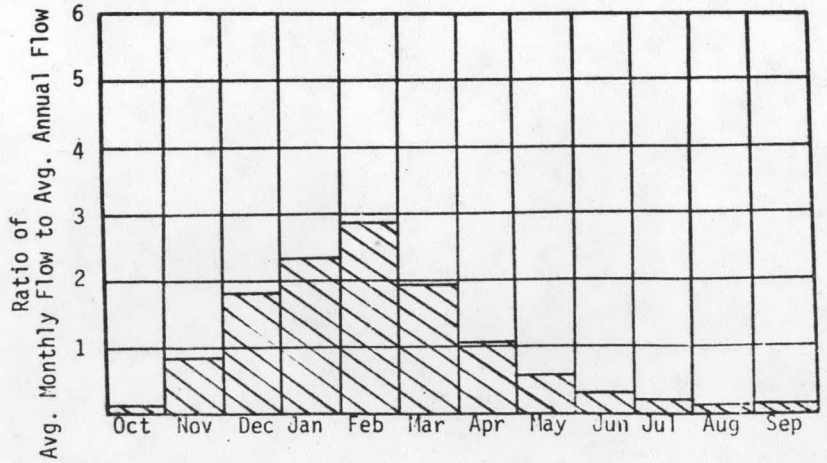
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	12.9	.04	.35	1.000
80	24.5	.07	.62	.941
50	109.5	.33	2.09	.715
30	252.4	.77	3.62	.537
10	678.0	2.07	5.89	.325

U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 250 CFS



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0014

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 12, T20S, R6W
D.	Latitude, Longitude	43°51'N, 123° 22'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	95.0 to 105.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

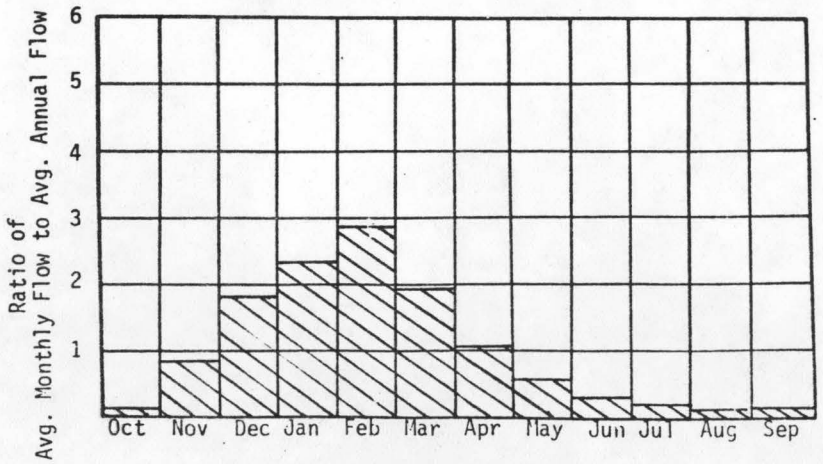
A.	Upstream Elevation of Reach	580	Ft. MSL
B.	Downstream Elevation of Reach	530	Ft. MSL
C.	Total Available Head in Reach	50	Ft.
D.	Average Slope in Reach	5	Ft./Mi.
E.	Drainage Area above Reach Mouth	92	Sq.Mi.
F.	Inflow Classification	Natural	

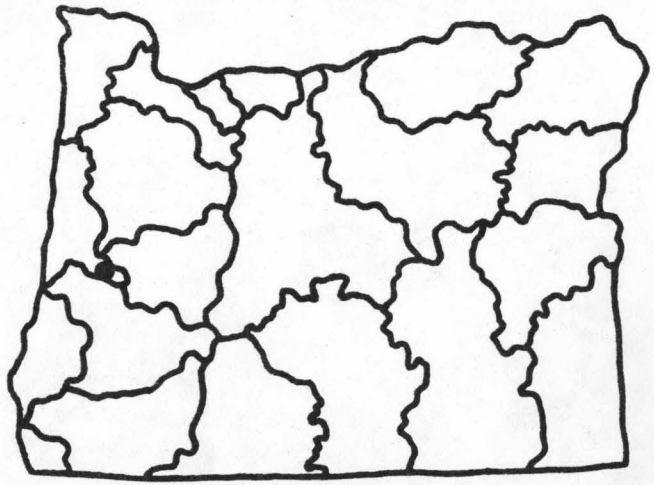
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.8	.04	.36	1.000
80	18.7	.08	.65	.941
50	82.7	.35	2.20	.716
30	189.1	.80	3.78	.538
10	505.3	2.14	6.12	.326

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 186 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0015

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 21, T20S, R5W
D.	Latitude, Longitude	43°50'N, 123°18'W
E.	Stream Name	Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	105.0 to 110.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

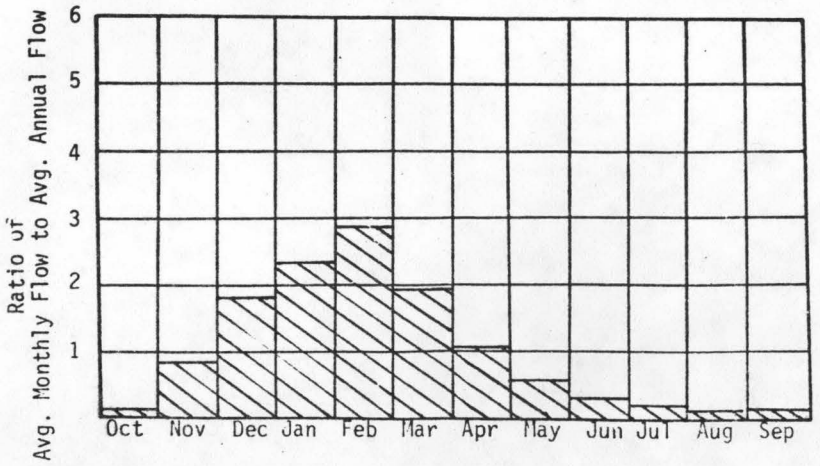
A.	Upstream Elevation of Reach	608	Ft. MSL
B.	Downstream Elevation of Reach	580	Ft. MSL
C.	Total Available Head in Reach	28	Ft.
D.	Average Slope in Reach	5.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	60	Sq.Mi.
F.	Inflow Classification	Natural	

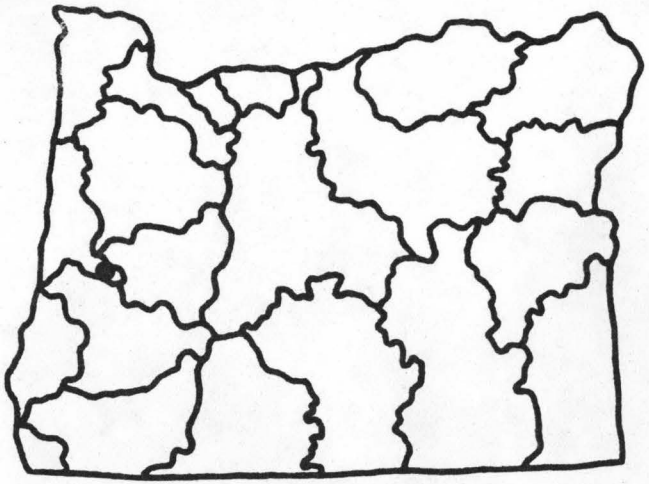
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.8	.02	.14	1.000
80	13.0	.03	.25	.940
50	56.9	.13	.85	.716
30	128.8	.31	1.44	.540
10	341.5	.81	2.33	.328

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 126 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-062-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 14, T20S, R4W
D.	Latitude, Longitude	43°49'N, 123°12'W
E.	Stream Name	N. Fork & S. Fork Siuslaw River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

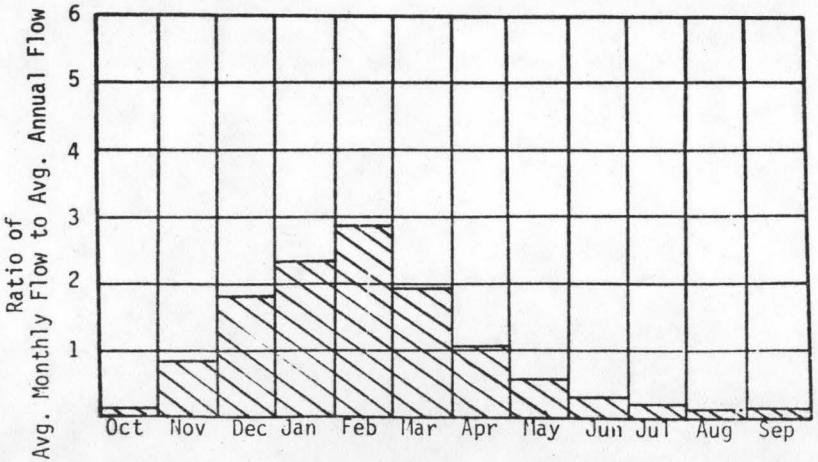
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	43	Sq.Mi.
F.	Inflow Classification	Natural	

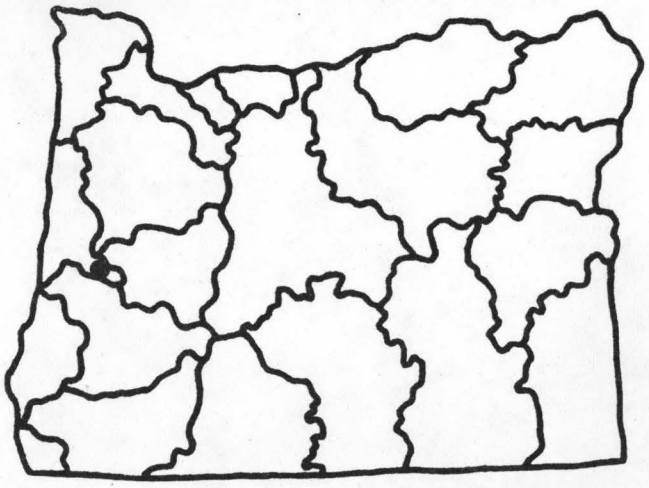
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.7	.03	.28	1.000
80	11.0	.06	.51	.940
50	47.9	.27	1.68	.716
30	108.1	.60	2.86	.540
10	285.6	1.60	4.60	.329

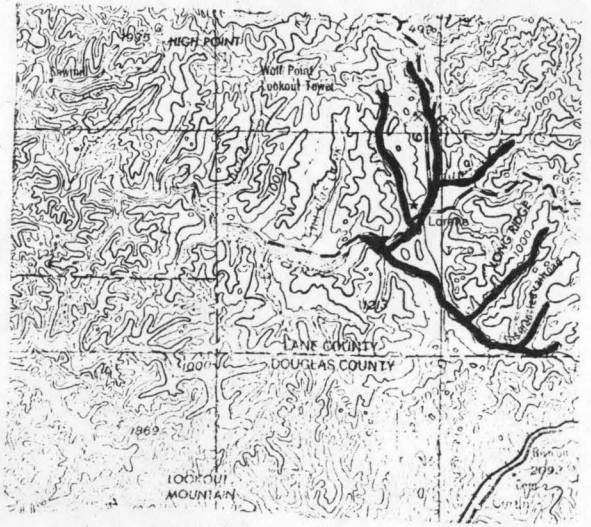
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 105 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 35, T19S, R12W
D.	Latitude, Longitude	43°53'N, 124°05'W
E.	Stream Name	Siltcoos River
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 7.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

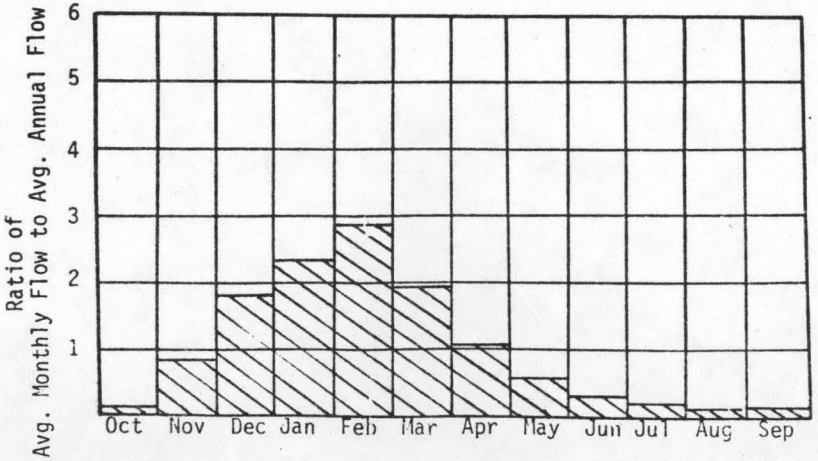
A.	Upstream Elevation of Reach	10	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	10	Ft.
D.	Average Slope in Reach	1.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	68	Sq.Mi.
F.	Inflow Classification	Natural	

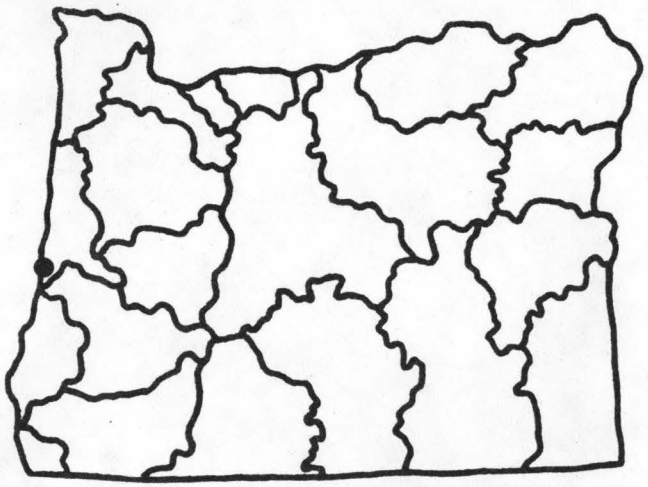
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	13.2	.01	.10	1.000
80	25.0	.02	.17	.941
50	112.0	.09	.59	.715
30	258.3	.22	1.03	.537
10	694.2	.59	1.68	.325

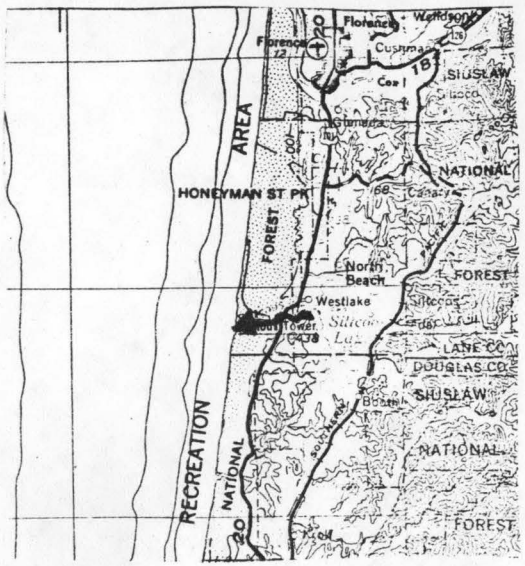
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 256 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-022-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 30, T19S, R11W
D.	Latitude, Longitude	43°54'N, 124°03'W
E.	Stream Name	Maple Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 2.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

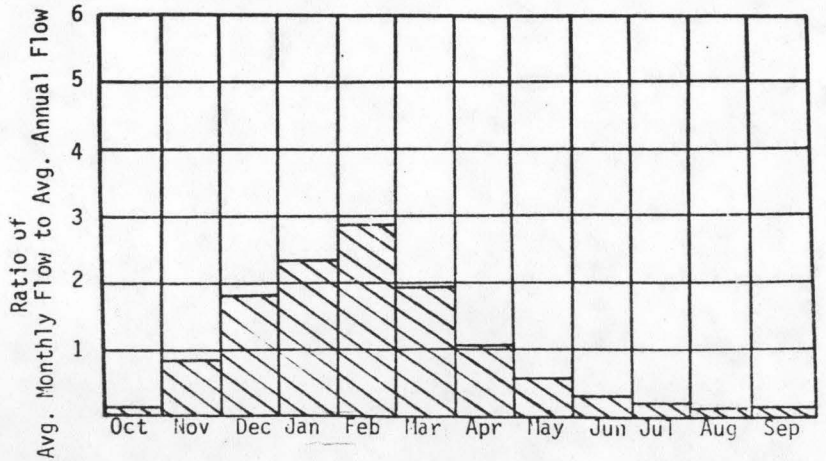
A.	Upstream Elevation of Reach	15	Ft. MSL
B.	Downstream Elevation of Reach	10	Ft. MSL
C.	Total Available Head in Reach	5	Ft.
D.	Average Slope in Reach	2.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	24	Sq.Mi.
F.	Inflow Classification	Natural	

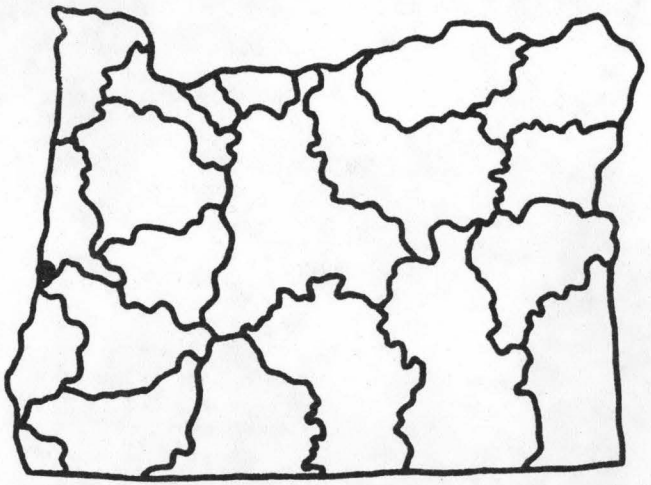
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.6	.00	.02	1.000
80	10.8	.00	.04	.940
50	47.3	.02	.13	.716
30	106.6	.05	.21	.540
10	281.6	.12	.34	.329

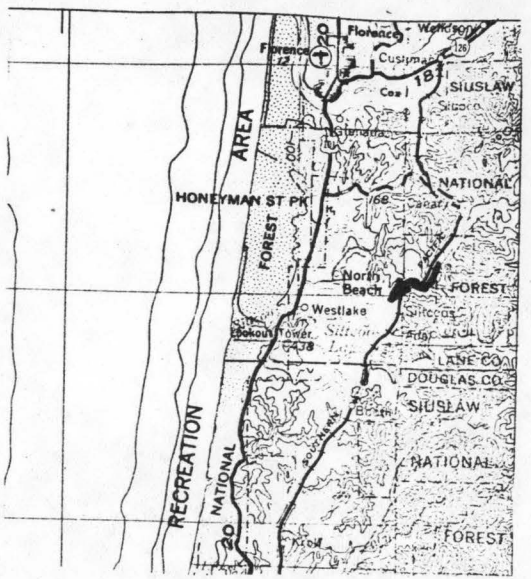
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 104 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-022-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 20, T19S, R11W
D.	Latitude, Longitude	43°55'N, 123°58'W
E.	Stream Name	Maple Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	2.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

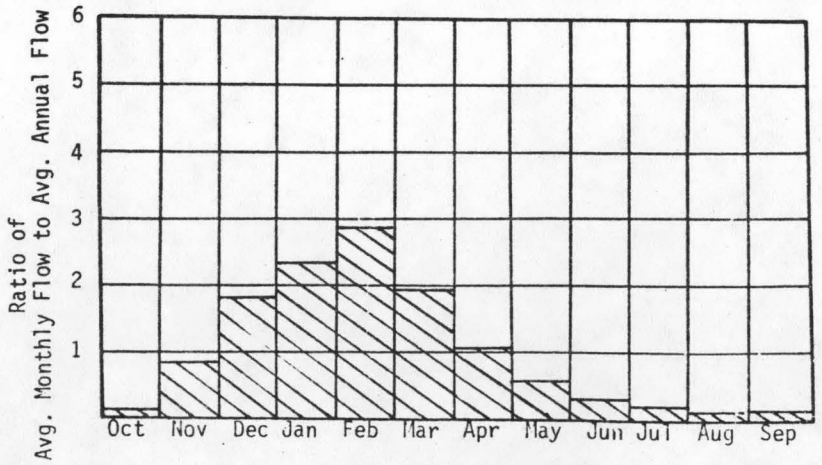
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	20	Sq.Mi.
F.	Inflow Classification	Natural	

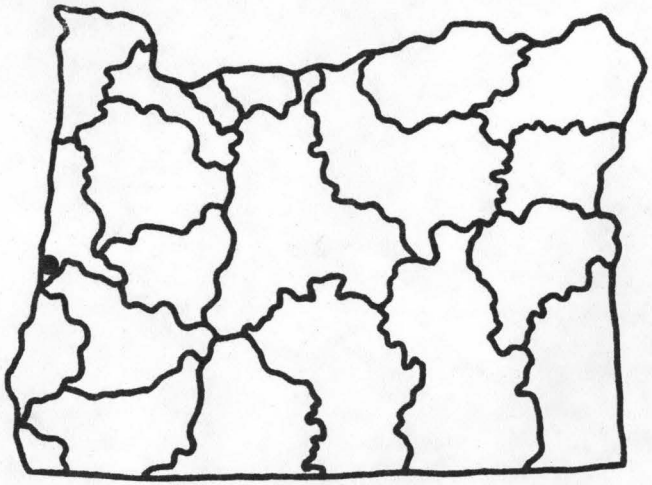
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.2	.03	.25	1.000
80	10.0	.06	.46	.940
50	43.3	.24	1.52	.717
30	97.3	.54	2.58	.541
10	256.7	1.44	4.14	.329

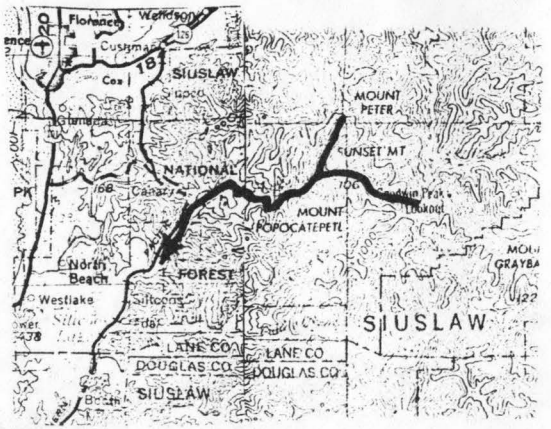
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 95 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-025-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 6, T20S, R11w
D.	Latitude, Longitude	43°52'N, 124°03'W
E.	Stream Name	Fiddle Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to 6.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

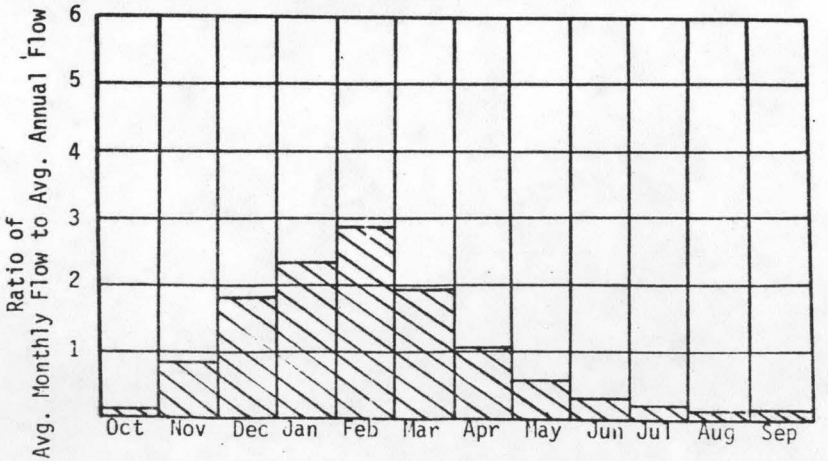
A.	Upstream Elevation of Reach	31	Ft. MSL
B.	Downstream Elevation of Reach	10	Ft. MSL
C.	Total Available Head in Reach	21	Ft.
D.	Average Slope in Reach	3.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	22	Sq.Mi.
F.	Inflow Classification	Natural	

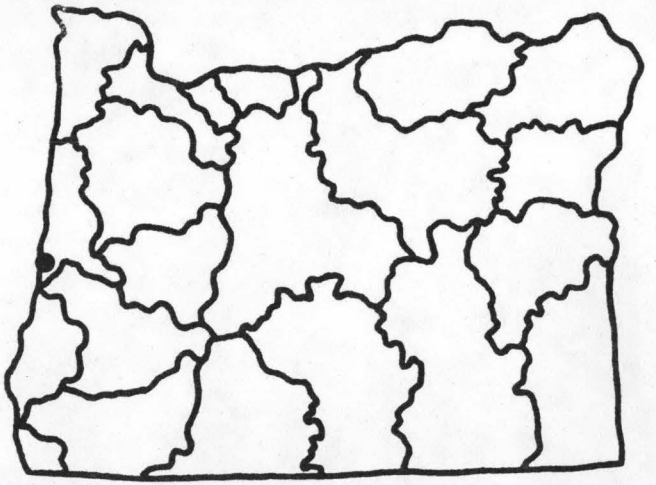
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.3	.01	.08	1.000
80	10.2	.02	.15	.940
50	44.3	.08	.49	.717
30	99.5	.18	.84	.541
10	262.7	.47	1.35	.329

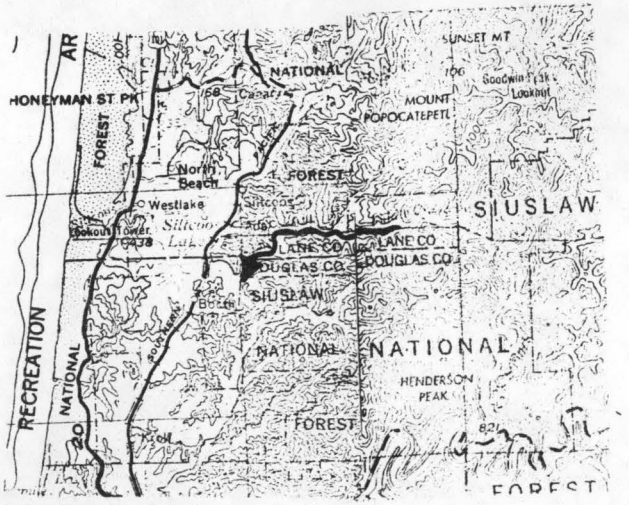
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 97 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-025-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Lane
C.	Township, Range	Sec. 32, T19S, R11W
D.	Latitude, Longitude	43°53'N, 123°59'W
E.	Stream Name	Fiddle Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	6.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

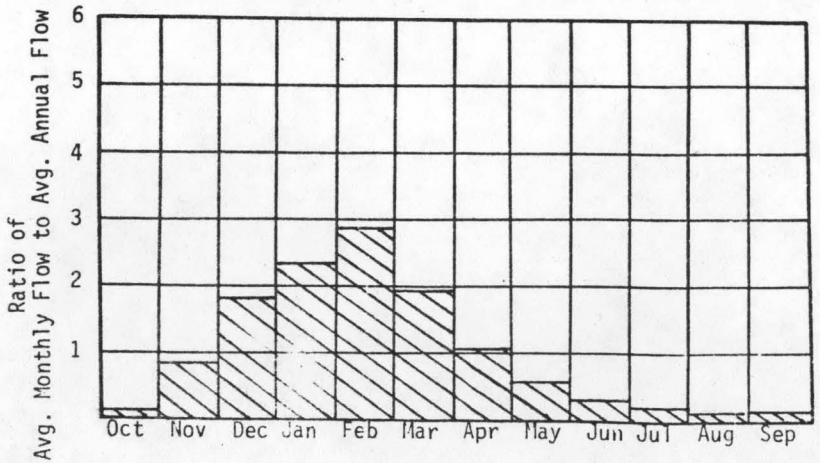
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	18	Sq.Mi.
F.	Inflow Classification	Natural	

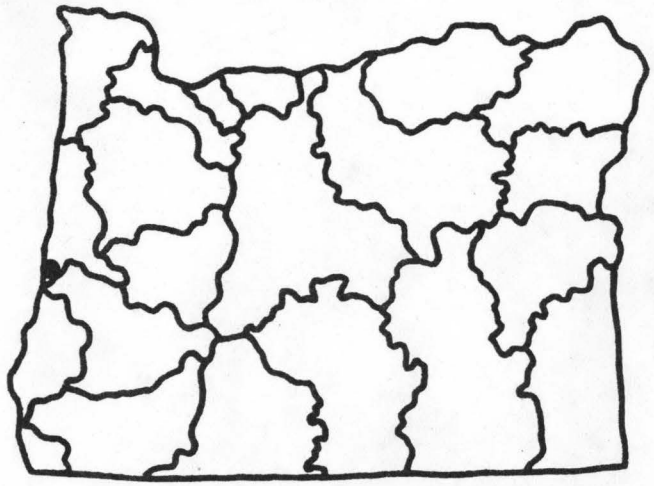
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.8	.03	.24	1.000
80	9.4	.05	.43	.940
50	40.7	.23	1.43	.717
30	91.3	.51	2.42	.541
10	240.7	1.35	3.89	.329

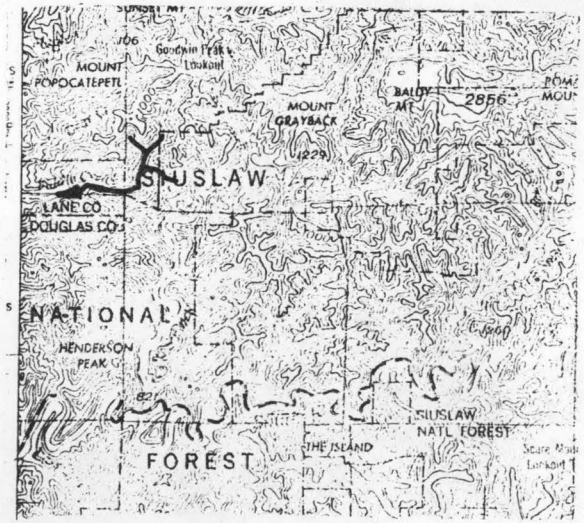
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 89 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-665-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec. 20, T20S, R12W
D.	Latitude, Longitude	43°49'N, 124°05'W
E.	Stream Name	Tahkenitch Creek
F.	Major Basin Name	Mid Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

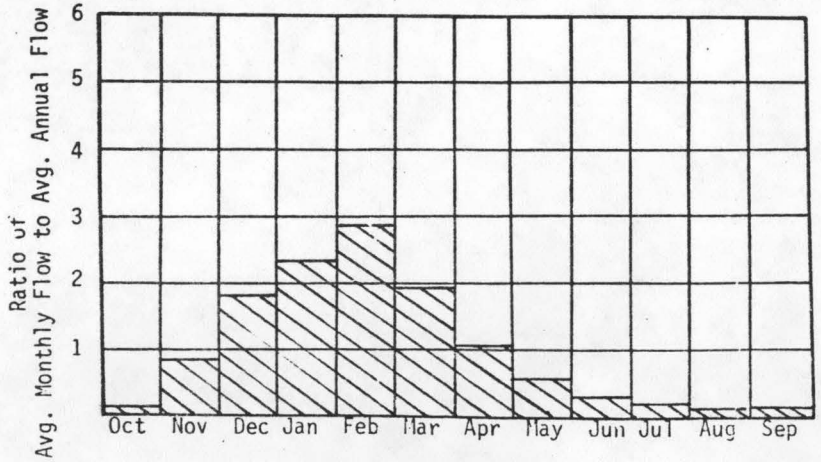
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	36	Sq.Mi.
F.	Inflow Classification	Natural	

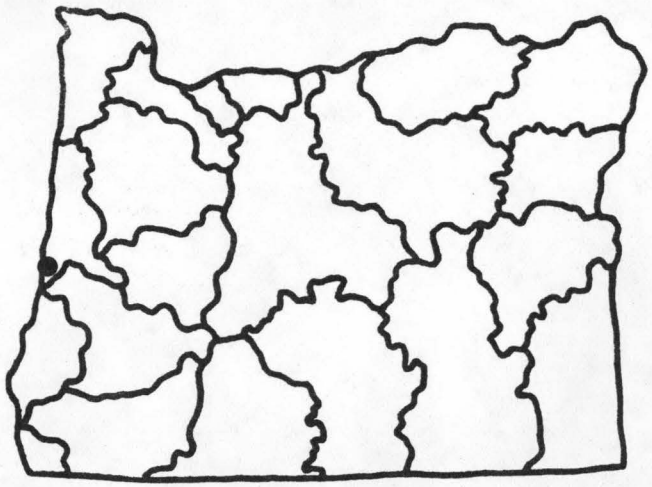
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.1	.05	.39	1.000
80	15.4	.09	.71	.940
50	67.9	.38	2.38	.716
30	154.5	.86	4.08	.539
10	411.1	2.30	6.59	.327

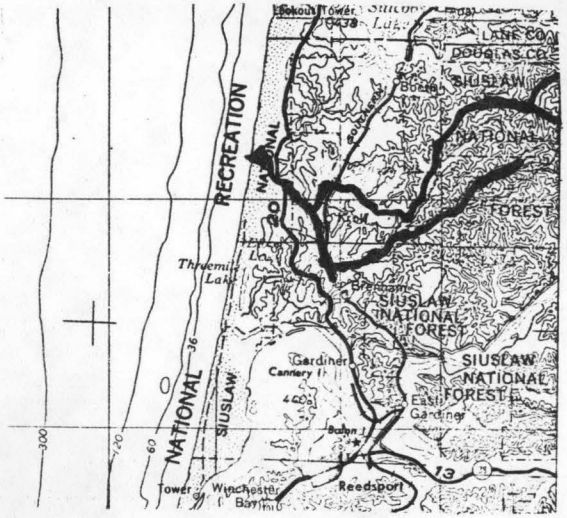
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 151 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-COOS BAY



FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-605-								
000-000-000-R0001	X	X	X	X	0.2	57/115-PPL	-	27.6
009-000-000-R0001	-	-	X	X	0.4	69/115-PPL	-	25.7
009-000-000-R0002	-	-	-	X	1.2	69/115-PPL	-	25.2
000-000-000-R0002	-	X	X	X	0.2	69/115-PPL	-	22.8
000-000-000-R0003	-	X	X	X	0.8	69/115-PPL	-	20.4
02-610-								
000-000-000-R0001	-	-	X	X	0.1	69-OP-PPL	-	21.4
000-000-000-R0002	-	-	-	X	2.0	69-OP-PPL	-	22.7
02-615-								
000-000-000-R0001	-	-	X	X	0.9	69-OP-PPL	-	19.1
000-000-000-R0002	-	-	-	X	3.7	69-OP-PPL	-	20.5
000-000-000-R0003	-	-	-	X	6.2	69-OP-PPL	-	21.8
02-620-								

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-620-								
000-000-000-R0001	-	X	X	X	2.2	69-OP-PPL	-	18.6
000-000-000-R0002	-	X	X	X	3.0	69-OP-PPL	-	14.7
000-000-000-R0003	-	-	X	X	2.6	69-OP-PPL	-	12.7
022-000-000-R0001	-	-	-	X	3.4	69-OP-PPL	-	12.2
000-000-000-R0004	-	-	X	X	5.0	69-OP-PPL	-	12.1
026-000-000-R0001	-	-	-	X	3.2	69-OP-PPL	-	10.2
026-000-000-R0002	-	-	-	-	4.1	69-OP-PPL	-	10.8
000-000-000-R0005	-	X	X	X	2.1	69-OP-PPL	-	9.7
000-000-000-R0006	-	X	X	X	0.4	69-OP-PPL	-	6.1
000-000-000-R0007	-	X	X	X	1.2	69-CPI	-	9.6
047-000-000-R0001	-	-	X	X	2.0	23-CPI	-	11.1
047-004-000-R0001	-	-	-	X	1.7	23-CPI	-	14.6
047-004-000-R0002	-	-	-	X	3.1	23-CPI	-	15.7

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-620-								
047-005-000-R0001	-	-	X	X	1.2	23-CPI	-	12.8
047-005-000-R0002	-	-	X	X	0.9	23-CPI	-	13.2
000-000-000-R0008	-	-	-	X	3.0	69-CPI	-	11.4
000-000-000-R0009	-	-	X	X	5.1	69-CPI	-	12.9
000-000-000-R0010	-	-	-	X	8.9	23-CPI	-	18.6
050-000-000-R0001	-	X	X	X	9.8	23-CPI	-	20.2
050-000-000-R0002	-	-	-	-	8.1	23-CPI	-	19.5
000-000-000-R0011	-	-	-	X	10.6	69/115-PPL	-	19.8
055-000-000-R0001	-	-	-	X	8.3	69/115-PPL	-	18.3
055-000-000-R0002	-	-	-	X	8.9	57-P	-	16.5
060-000-000-R0001	-	-	-	X	7.8	69/115-PPL	-	20.1
060-005-000-R0001	-	-	-	X	7.3	69/115-PPL	-	18.7
060-000-000-R0002	-	-	-	X	7.2	69/115-PPL	-	19.7

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-625-								
000-000-000-R0001	-	X	X	X	0.7	69-CPI	1,2	4.5
012-000-000-R0001	-	X	X	X	0.2	69-OP-CLP	1,2	0.3
012-000-000-R0002	-	X	X	X	0.2	69-OP-CLP	1,2	1.1
000-000-000-R0002	-	X	X	X	0.2	69-CPI	1,2	2.3
023-000-000-R0001	-	-	X	X	0.3	115/230-B	-	5.2
023-000-000-R0002	-	-	X	X	2.3	115/230-B	-	8.2
023-000-000-R0003	-	-	X	X	4.3	115/230-B	-	10.8
023-000-000-R0004	-	-	X	X	2.7	115/230-B	-	10.8
023-000-000-R0005	-	-	X	X	3.2	23-CPI	-	14.0
000-000-000-R0003	-	X	X	X	0.3	69-CPI	-	5.7
000-000-000-R0004	-	X	X	X	2.3	23-CPI	-	8.8
030-000-000-R0001	-	X	X	X	0.5	23-CPI	-	9.1
000-000-000-R0005	-	X	X	X	2.0	23-CPI	-	10.8

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-625-								
000-000-000-R0006	-	X	X	X	2.2	23-CPI	-	13.0
000-000-000-R0007	-	-	-	X	0.9	23-CPI	-	14.5
02-630-								
000-000-000-R0001	-	-	X	X	0.8	69-CL-P	-	6.9
000-000-000-R0002	-	-	-	X	0.1	69-CPI	-	8.1
02-635-								
000-000-000-R0001	-	X	X	X	1.0	69-CPI	-	14.1
022-000-000-R0001	-	-	X	X	1.2	230-B	-	14.2
022-000-000-R0002	-	-	X	X	2.7	115-CPI	-	13.4
022-000-000-R0003	-	-	-	X	6.8	230-B	-	12.2
022-000-000-R0004	-	-	-	X	7.2	115-CPI	-	9.1
022-000-000-R0005	-	-	-	X	7.0	115-CPI	-	10.1
000-000-000-R0002	-	X	X	X	0.2	115-CPI	-	15.0

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-635-								
000-000-000-R0003	-	X	X	X	1.1	115-CPI	-	16.3
000-000-000-R0004	-	X	X	X	0,2	115-CPI	-	18.0
029-000-000-R0001	-	-	X	X	3.2	115-CPI	-	20.9
029-005-000-R0001	-	-	X	X	2.4	13.8/23-CPI	-	23.2
029-005-000-R0002	-	-	X	X	0.8	13.8/23-CPI	-	24.1
029-005-000-R0003	-	-	X	X	1.2	13.8/23-CPI	-	22.0
029-000-000-R0002	-	-	X	X	4.7	230-B	-	22.2
029-000-000-R0003	-	-	X	X	4.8	230-B	-	24.2
029-000-000-R0004	-	-	X	X	4.5	13.8/23-CPI	-	24.5
000-000-000-R0005	-	X	X	X	0.1	69-CPI	-	19.0
036-000-000-R0001	-	-	X	X	2.5	69-CPI	-	18.5
036-000-000-R0002	-	-	-	X	4.8	69-CPI	-	16.5
000-000-000-R0006	-	X	X	-	0.5	13.8/23-CPI	-	21.6

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-635-								
000-000-000-R0007	-	X	X	X	1.0	115-CPI	-	18.4
041-000-000-R0001	-	-	X	X	3.6	115-CPI	-	17.1
041-000-000-R0002	-	-	-	X	5.8	115-CPI	-	16.7
050-000-000-R0001	-	X	X	X	1.0	115-CPI	-	13.7
050-022-000-R0001	-	X	X	X	1.2	115-CPI	-	13.4
050-022-000-R0002	-	X	X	-	2.8	115-CPI	-	13.1
050-000-000-R0002	-	-	-	X	1.0	115-CPI	-	11.1
050-000-000-R0003	-	-	-	X	0.2	115-CPI	-	9.7
02-640-								
000-000-000-R0001	-	-	X	X	3.7	230-B	-	23.0
000-000-000-R0002	-	-	X	X	0.8	230-B	-	22.8
02-645-								
000-000-000-R0001	X	-	X	X	6.5	230-B	-	17.2

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-645-								
000-000-000-R0002	-	-	X	X	4.4	230-B	-	17.7
02-650-								
000-000-000-R0001	X	-	X	X	7.7	230-B	-	13.7
000-000-000-R0002	-	-	X	X	6.6	230-B	-	13.7
02-655-								
000-000-000-R0001	-	X	X	X	2.0	115-B	1,2	1.1
022-000-000-R0001	-	X	X	X	1.5	230-B	1,2	6.0
022-000-000-R0002	-	-	X	X	1.0	230-B	-	8.7
022-000-000-R0003	-	-	X	X	0.5	230-B	-	12.0
022-000-000-R0004	-	-	X	X	1.3	230-B	-	13.5
000-000-000-R0002	-	X	X	X	0.3	230-B	-	5.8
029-000-000-R0001	-	-	X	X	2.0	CL-P	-	10.0
029-000-000-R0002	-	-	-	X	4.6	CL-P	-	9.9

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-655-								
000-000-000-R0003	-	X	X	X	0.5	115-B	-	12.2
033-000-000-R0001	-	X	X	X	0.1	230-B	-	13.9
033-000-000-R0002	-	X	X	X	0.1	115-B	-	15.3
000-000-000-R0004	-	X	X	X	0.1	34.5-BL-C	-	13.7
042-000-000-R0001	-	X	-	X	3.0	34.5-BL-C	-	17.6
042-021-000-R0001	-	-	-	-	2.0	34.5-BL-C	-	17.8
042-021-010-R0001	-	-	-	X	4.1	230-B	-	17.8
042-021-000-R0002	-	-	-	X	4.4	230-B	-	18.8
042-021-000-R0003	-	-	-	X	4.9	230-B	-	19.5
042-000-000-R0002	-	X	X	X	4.7	34.5-BL-C	-	19.3
042-022-000-R0001	-	-	-	X	4.9	34.5-BL-C	-	21.0
042-022-001-R0001	-	-	-	X	5.8	34.5-BL-C	-	21.5
042-022-001-R0002	-	-	-	X	5.7	34.5-BL-C	-	21.0

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-655-								
042-022-000-R0002	-	-	-	X	7.0	13.8/23-CPI	-	20.5
042-022-000-R0003	-	-	-	X	4.8	13.8/23-CPI	-	20.3
042-000-000-R0003	-	X	X	X	5.6	230-B	-	21.9
042-000-000-R0004	-	X	X	X	6.0	230-B	-	23.8
042-000-000-R0005	-	X	X	X	6.7	230-B	-	21.5
042-000-000-R0006	-	X	X	X	4.6	34.5-BL-C	-	17.7
042-000-000-R0007	-	X	X	-	3.5	34.5-BL-C	-	15.2
000-000-000-R0005	-	X	-	X	2.2	230-B	-	19.0
000-000-000-R0006	X	X	X	X	0.1	230-B	-	18.2
048-000-000-R0001	-	X	X	X	2.0	115-B	-	13.4
048-000-000-R0002	-	X	-	X	0.1	115-B	-	12.2
000-000-000-R0007	-	-	-	X	2.2	115-B	-	16.5
000-000-000-R0008	-	-	-	X	4.2	115-B	-	15.6

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-655-								
054-000-000-R0001	-	-	-	-	4.7	115-B	-	14.5
054-000-000-R0002	-	-	-	X	4.4	230-B	-	10.3
054-000-000-R0003	-	-	-	X	5.8	230-B	-	10.6
000-000-000-R0009	-	-	-	X	5.6	115-B	-	17.0
057-000-000-R0001	-	-	-	X	6.5	115-B	-	16.9
000-000-000-R0010	-	-	-	X	7.0	115-B	-	16.0
000-000-000-R0011	-	-	-	X	8.9	230-B	-	14.5
000-000-000-R0012	-	-	-	X	10.2	230-B	-	14.6
000-000-000-R0013	-	-	-	X	10.6	230-B	-	14.0
000-000-000-R0014	-	-	-	X	8.3	23-PPL	-	14.7
000-000-000-R0015	-	-	-	X	4.4	23-PPL	-	11.4
062-000-000-R0001	-	-	-	X	3.0	23-PPL	-	9.8
02-660-								

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-660-								
000-000-000-R0001	X	X	X	X	3.0	115-B	-	6.0
022-000-000-R0001	-	X	-	X	0.8	115-B	-	5.5
022-000-000-R0002	-	-	-	X	0.1	115-B	-	5.5
025-000-000-R0001	-	-	-	X	1.0	230-B	-	8.1
025-000-000-R0002	-	-	-	X	2.7	230-B	-	10.0
02-665-								
000-000-000-R0001	-	-	-	X	5.0	115-B	-	8.9