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RESEARCH WORKUNIT/PROJECT DESCRIPTION -	- RESEARCH RESUME

Accession No. Agency Identification World 1.0167827 2.0CI 3.IDAZ 4. 5.	C Unit/Project No. Status IDAZ-ES-0505 Date 21 Feb 1995 Status 6. A New Project
7. TITLE MANAGEMENT, HEALTH, AND SUST	
8. PERFORMING ORGANIZATION 1210 1626 FOREST RESOURCES COLLEGE OF FORESTRY, UNIV OF IDAHO Cooperating depts:	9. REGIONAL PROJECT
12. Investigator Name(s):	
1) ADAMS D) HATCH C
	KOROL J
) MARSHALL J
18. PROJECT TYPE <u>S</u> State	19. Contract No.
	21. FY _
To design and evaluate management technic productivity. 25. APPROACH 1) Identify the indicators of forest heat and inventorying forest ecosystems using GIS. 3) Analyzing relationships among in Investigating relationships between fore Determining relationships between ecosystemalth and sustainability. 6) Developing fire, for improving forest ecosystem heat Studying the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of productive to the company of the long-term effects of the long-term effects of productive to the long-term effects of	Ith and sustainability. 2) Monitoring expert systems, remote sensing and sects, disease and host trees. 4) st ecosystem health and wildlife. 5) tem processes and forest ecosystem silvicultural techniques, including 1th and landscape management. 7) tion silviculture on sustainability. SE WILDLIFE FIRE-ECOLOGY E-ECOLOGY MODELING WATERSHED
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RESEARCH WORKUNIT/PROJECT DESCRIPTION	RESEARCH RESUME	
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Accession No. Agency Identification Work 1. 1/6/78/28 2.0CI 3. IDAZ 4.	Unit/Project No.	Status
1.0167828 2.0CI 3.IDAZ 4. 5.	IDAZ-ES-0506	6. A New Project
7. TITLE FOREST BIOLOGY IN THE INLAND	NORTHWEST	
8. PERFORMING ORGANIZATION 1210 1626 FOREST RESOURCES COLLEGE OF FORESTRY, UNIV OF IDAHO	9. REGIONAL PROJ	ECT
Cooperating depts:		
12. Investigator Name(s):		
1) ADAMS D) MARSHALL J	
2) BELT G 5) MOORE J	
3) FINS L 6) MORGAN P	
18. PROJECT TYPE S State	19. Contract No	
	20.Face amount _	21. FY
24. OBJECTIVES To investigate the physical, chemical an	d biological mechan	nisms that control
the function of forest and rangeland eco	systems in the North	chwest.
or approadu		
25. APPROACH 1) Analyzing the ecology of fungal root	diseases. 2) Analy:	zing the genetic
characteristics of rare and endangered f	orest and rangeland	d plants. 3)
Investigating the genetic characteristic analyzing how native genotypes might be	improved. 4) Study:	ng the
physiological mechanisms controlling the	survival and grow	th of forest trees
and associated plants. 5) Quantifying re	lationships between	n forest
productivity and soil, water, climate an nutritional requirements of inland west	tree species and n	utrition/forest
health relationships.		
27. KEYWORDS		
ECOLOGY GENETICS PHYSIOLOGY MINERAL-NUTR	RITION BOTANY	
	30. TERMINATION DA	TE DURATION
1 Oct 1993	31 Dec 2006	159 months
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RESEARCH WORKUNIT/PROJECT DESCRIPTION	- RESEARCH RESUME	
		Date 21 Feb 1995
Accession No. Agency Identification Wor	k Unit/Project No.	Status
	. IDAZ-ES-0507	6. A New Project
7. TITLE SOCIAL FACTORS IN NATURAL F	RESOURCE MANAGEMENT	
		=======================================
8. PERFORMING ORGANIZATION 1210 1626 FOREST RESOURCES COLLEGE OF FORESTRY, UNIV OF IDAHO		ECT
Cooperating depts:		
12. Investigator Name(s):		
1) FORCE J	4) MCKETTA C	
2) MACHLIS G	5) MEDEMA L	
3) MAHONEY R	6) OLAUGHLIN J	
18. PROJECT TYPE S State	19. Contract No.	
	20. Face amount	
		21. FY
AA OR TROUTING		
24. OBJECTIVES To investigate the human and social factor of natural resources.	ctors related to the	use and management
25. APPROACH 1) Studying the impact on dependent comsurveys. 3) Analyzing economic impacts	munities. 2) Conductor of fluctuations in	ting visitor natural resource
use.		
27. KEYWORDS DEPENDENT-COMMUNITIES VISITOR-SURVEYS S	SOCIAL-ECOLOGY ECONO	MICS
28. AWARD DATE 29. START DATE	30. TERMINATION DA	TE DURATION
28. AWARD DATE 29. START DATE 1 Oct 1993	30. TERMINATION DA 31 Dec 2006	159 months

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Accession No. Agency Identification W. 1.///282/2.0CI 3.IDAZ 4.		
0101020	5. IDAZ-ES-0504	6. A New Project
7. TITLE ECOLOGY, USE AND MANAGEME OF IDAHO	NT OF RANGELANDS IN F	ORESTED ENVIRONMENTS
8. PERFORMING ORGANIZATION 0674 16 RANGE RESOURCES		ECT
COLLEGE OF FORESTRY, UNIV OF IDA	НО	
Cooperating depts:		
12. Investigator Name(s):		
1) Dimension		
1) BUNTING S C 2) EHRENREICH E H	4) KINGERY J L	
3) JOHNSON K L	5) LOHMAN K 6) MOSLEY J C	
======================================		
18. PROJECT TYPE S State	19. Contract No.	
	20. Face amount	
		21. FY
24. OBJECTIVES		
Conducting research on the ecological	characteristics of r	angelands in
forested environments, together with	evaluation of management	ent programs based
on those characteristics is the overal	ll objective.	
25 19990199		
25. APPROACH1) Competitive interactions between by	mah arrages and tree	goodlings of the
forest-range margin. 2) Fire history		
as affected by fire of forest and range		
management of disturbed foothill fores	st lands. 4) Stream wa	ater quality as
affected by forest-range landuse pract		
domestic ungulates with emphasis on ve	egetation management,	water quality,
tree regeneration, and nutrient cyclin	ng in iorested environ	nments. 6)
Evaluation and application of agroforestry techniques in land utilization and management. 7) Characterization and monitoring of mountain meadows and		
riparian areas.		
27. KEYWORDS		
RANGE FIRE-HISTORY FIRE-EFFECTS PLANT		
LAND-REHABILITATION WATER-QUALITY RIPATREE-REGENERATION NUTRIENT-CYCLING FOR		N-MANAGEMEN I
THE RESIDENTIAL TOTAL CASE OF STREET		
28. AWARD DATE 29. START DATE	30. TERMINATION DA	TE DURATION
1 Oct 1993	31 Dec 2006	159 months
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Accession No. Agency Identification World	C Unit/Project No.	Date 21 Feb 1995 Status
1 ALL ALF O OCT O TOTAL	IDAZ-ES-0503	6. A New Project
7. TITLE EFFICIENCY IN WOOD HARVEST,	MANUFACTURE, AND CO	NSTRUCTION DESIGN
8. PERFORMING ORGANIZATION 1200 1626 FOREST PRODUCTS COLLEGE OF FORESTRY, UNIV OF IDAHO Cooperating depts:	9. REGIONAL PROJE	CT
12. Investigator Name(s):		
	LEE H W	
	5) MOSLEMI A A 5) STEINHAGEN H P	
	SIEINNAGEN N F	***************
18. PROJECT TYPE S State	19. Contract No.	
	20.Face amount	21. FY
24. OBJECTIVES The overall objective is to contribute to renewable wood resource and to the economic industry.	to both the efficien omic vitality of the	t use of our forest products
25. APPROACH 1) Timber supply and harvesting: Design, develop and evaluate harvesting systems for operation in multi=structural stands of small and large diameter trees with emphasis on maintaining environmental quality. Mathematically model timber supply. 2) Wood products manufacture: Develop new wood products and improve physical and mechanical properties of existing products. Improve wood drying and quality/process control systems so that the recovery of the most valuable wood products is increased. Employ modeling approaches to analysis. Manufacturing processes and systems. 3) Wood construction and design: Improve wood design features and conducte life-cycle analysis to		
reduce costs and enhance thermal properties of wood buildings.		
27. KEYWORDS TIMBER-HARVESTING WOOD-PRODUCTS-MANUFACTURE WOOD-PROPERTIES WOOD-DRYING QUALITY/PROCESS-CONTROL TIMBER-SUPPLY WOOD-CONSTRUCTION-AND-DESIGN LIFE-CYCLE-ANALYSIS WOOD-BUILDINGS		
AND DAME AND CHAPT DATE	30. TERMINATION DAT	re DURATION
28. AWARD DATE 29. START DATE 1 Oct 1993	31 Dec 2006	159 months
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RESEARCH WORKUNIT/PROJECT DESCRIPTION -	RESEARCH RESUME
Accession No. Agency Identification World 2.OCI 3.IDAZ 4. 5	Date 21 Feb 1995 Status IDAZ-ES-0502 Date 21 Feb 1995 Status 6. A New Project
7. TITLE MONITORING RECREATION & TOU TIMBER-DEPENDENT RURAL COMM	DRISM USE IN ID FOREST LANDS &
8. PERFORMING ORGANIZATION 5039 1626 RESOURCE RECREATION & TOURISM COLLEGE OF FORESTRY, UNIV OF IDAHO Cooperating depts:	
12. Investigator Name(s):	
1) FAZIO J R 2) HAM S H 3) HARRIS C C	4) HUNT J D 5) KRUMPE E E 6) MCLAUGHLIN W J

24. OBJECTIVES

18. PROJECT TYPE S State

The overall objective is to monitor outdoor recreation and tourism participation patterns and trends with emphasis on environmental, social, and economic impacts in timber-dependent and other rural communities.

Contract No.
 Face amount

25. APPROACH

1) Examinations of shifts in the traditional industrial and economic base of communities with particular attention to the impact of outdoor recreation and tourism. 2) Intensive studies of the social impact of recreation and tourism on timber-dependent communities. 3) Special studies of environmental impact of outdoor recreation and tourism on riparian areas, specially designated forest lands, and natural areas adjacent to rural communities. 4) Inventories and assessments of information and environmental education actions for optimizing benefits and mitigating costs to rural communities from outdoor recreation and tourism. Exploration of methods to reduce conflict between user interest groups. 5) Development of participatory planning processes that integrate public sector outdoor recreation and private sector tourism development strategies. 6) Special studies to develop a better understanding of the social and physical dynamics related to trees within rural communities in order to improve tree health, stimulate tree care and replacement, and contribute to public safety.

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ELECTION	RESEARCH RESUME	
		Date 21 Feb 1995
Accession No. Agency Identification Work	Unit/Project No.	Status
1.0167822 2.0CI 3.IDAZ 4. 5.	IDAZ-ES-0500	6. A New Project
7. TITLE STUDIES OF WILDLIFE POPULATION IN MANAGED & UNMANAGED ID FOR	RESTS	

8. PERFORMING ORGANIZATION 1776 1626 FISH & WILDLIFE RESOURCES COLLEGE OF FORESTRY, UNIV OF IDAHO	9. REGIONAL PROJI	SCT
Cooperating depts:		
12. Investigator Name(s):		
1) GARTON E O 4)	SCOTT J M	
2) REESE K P 5		
3) PEEK J M 6)		
18. PROJECT TYPE S State	19. Contract No.	
	20.Face amount	
		21. FY _
The overall objective is to document, and ecological information on game birds and endangered species and their habitats in managed and in areas designated as wilder states. 25. APPROACH 1) Analysis of habitat and habitat relatitechniques. 2) Studying population ecologespecially using modeling approaches. 3) studies of selected bird and mammal specific conducting studies of biological diversity in forest successional stages, riparian and approaches. 27. KEYWORDS WILDLIFE-POPULATIONS WILDLIFE-HABITATS FOR	mammals as well as forested environments in Idaho and ionships by remote gy, dynamics, and well conducting biologics in forested habit ones and wetlands.	s non-game and ents that are surrounding sensing and GIS viability, cal and ecological pitats. 4)
BIOLOGICAL-DIVERSITY ECOLOGY RIPARIAN-ZON		
1 Oct 1993	30. TERMINATION DATES	159 months
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	Date 21 Feb 1995
Accession No. Agency Identification World 2.0CI 3.IDAZ 4. 5.	k Unit/Project No. Status 1DAZ-ES-0501 6. A New Project
7. TITLE FISH POPULATIONS & AQUATIC IN WITHIN/SUPPLIED BY FORESTED	HABITATS IN LAKES/STREAMS CONTAINED WATERSHED
8. PERFORMING ORGANIZATION 1776 1626 FISH & WILDLIFE RESOURCES COLLEGE OF FORESTRY, UNIV OF IDAHO Cooperating depts:	
12. Investigator Name(s):	
1) BENNETT D H	4) SCARNECCHIA D L
	5)
3) FALTER C M	6)
18. PROJECT TYPE S State	19. Contract No.
10. PRODUCT TITE	20. Face amount
	21. FY
The overall objective is to investigate affecting their productivity in forested salmonids and forest management practice 25. APPROACH 1) Intensive studies of habitat condition productivity. 2) Documentation and distripportant as foods during the life cycle assessments associated with water resourtish populations. 4) Intensive studies a factors limiting chinook salmon and other 27. KEYWORDS FISH-POPULATIONS HABITAT-CONDITIONS FOREWATER-RESOURCES SALMONIDS	d environments with emphasis on es. ons of streams as they influence fish ribution of aquatic organisms es of fish species. 3) Conducting risk rces and their uses as they impact aimed at identifying and addressing er sensitive or T&E species.
28. <u>AWARD DATE</u> 29. <u>START DATE</u> 1 Oct 1993	30. TERMINATION DATE DURATION 31 Dec 2006 159 months
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