

Figure 1:- Relationships between the proportional occurrence of Levallois points, flakes and blades and the total number of flakes produced per core. Level 3 within D35 has been subdivided into seven 10 cm. levels.

Le. 30.12.5.1

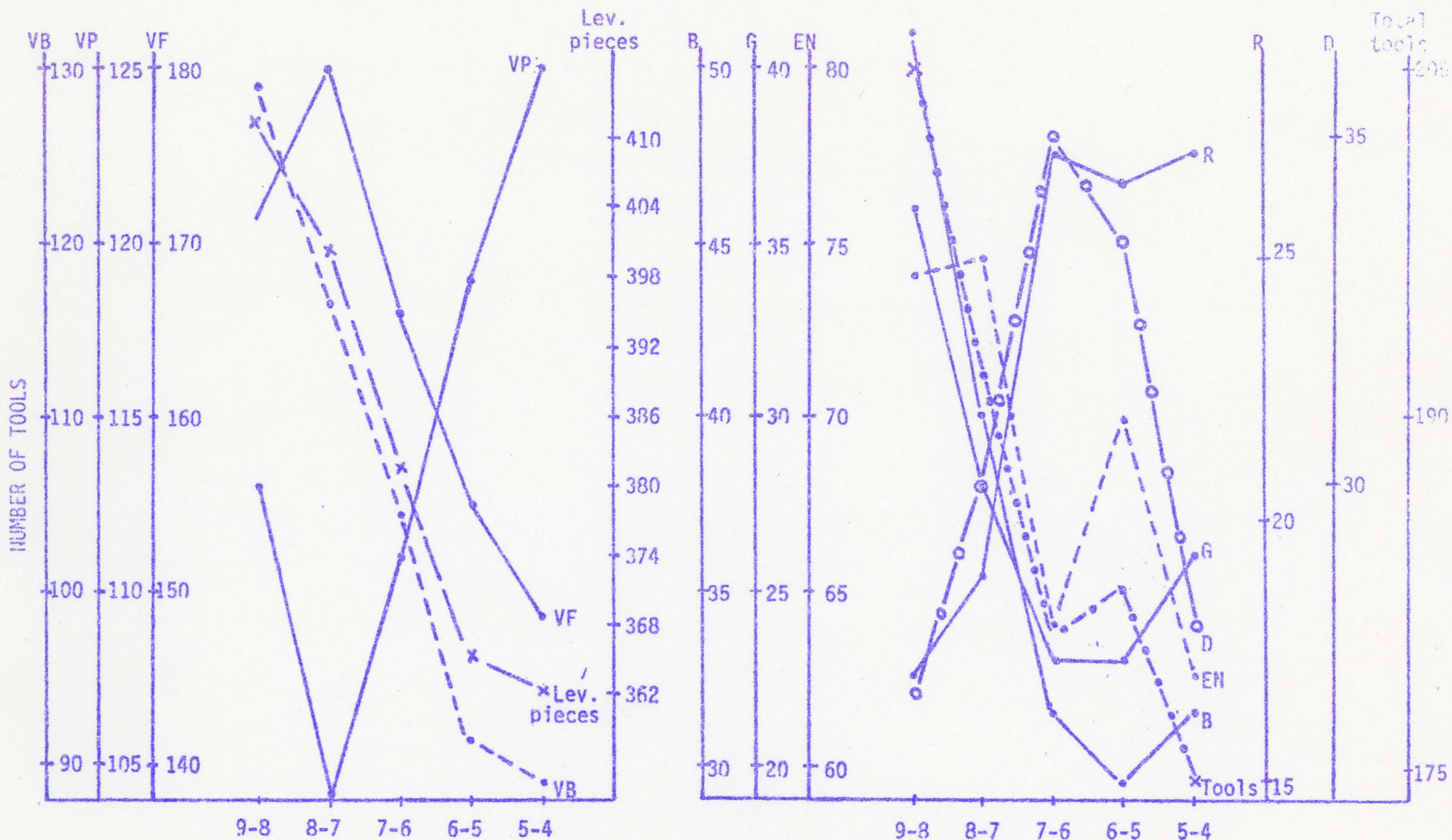


Figure 1. Two-point smoothed data trend profiles for Levallois debitage types and major tool classes from Rosh Ein Mor. Key: VP-Levallois points; VF-Levallois flakes; VB-Levallois blades; Lev. Pieces-All Levallois debitage; R-Sidescrapers; G-Endscrapers; D-Denticulites; EN-Notches; B-Burins; Tools-All retouched tools.

Ce.30.12.5.3

Site/Assemblage	Distance to Flint ¹	Distance to Water ¹	IF	IFs	N	I.L.	N ¹¹
D52	1,200	1,750	56.6	41.4	138	10.8	250
D51	900	2,100	53.9	42.7	258	14.7	455
Nahal Aqev (S)	600	150	61.4	47.5	502	22.7	837
(1)	600	150	54.6	39.8	337	16.9	786
(2)	600	150	45.9	31.6	161	6.2	421
(3a)	600	150	51.5	40.4	351	8.3	1053
(3b)	600	150	54.7	37.1	267	6.0	885
(3c)	600	150	55.9	43.4	136	9.1	916
(3d)	600	150	59.6	41.1	173	9.8	1212
(3e)	600	150	66.2	54.6	302	10.8	1402
(3f)	600	150	67.1	51.7	91	9.5	692
(3g)	600	150	50.7	33.3	138	6.0	832
Rosh Ein Mor	600	300	56.6	42.1	456	15.1	681
D44	75	800	52.2	36.5	305	9.5	678
D45	50	950	53.5	43.4	129	11.0	286
D40	25	800	56.2	44.8	360	27.8	532
D33	0	300	40.9	31.3	208	16.0	282
D46	0	200	46.3	33.5	188	17.7	311
D42	0	600	34.3	22.1	532	5.7	904
D2	0	1,200	30.1	19.3	296	7.7	479

1

Distance measured in meters

Table / : Facetting and Levallois Index relationships to flint and water availability. Temporal patterning can be seen within the sequence at Nahal Aqev.

Σ 521 08 22

GRID

	T14	T15	T16	T17	T18
3a	61.6 (13)	47.4 (19)	50.0 (10)	28.6 (21)	44.1 (34)
3b	64.3 (42)	50.8 (59)	39.1 (40)	61.1 (36)	37.1 (61)
3c	40.0 (25)	50.0 (28)	38.5 (13)	51.5 (33)	42.9 (7)
3d	40.0 (10)	62.6 (32)	56.7 (37)	50.0 (50)	63.6 (44)
3e	66.7 (48)	53.7 (52)	68.2 (63)	66.1 (103)	45.9 (37)
3f	71.5 (7)	40.0 (20)	56.4 (10)	58.9 (39)	70.0 (10)
3g	52.7 (19)	45.7 (46)	28.0 (43)	75.1 (16)	41.2 (17)

Table 2: Facetting Indices (I.F.) for five 1 X 1 grid units over seven 10 cm levels within Nahal Aqev. Sample size upon which each index is based is given in parentheses.

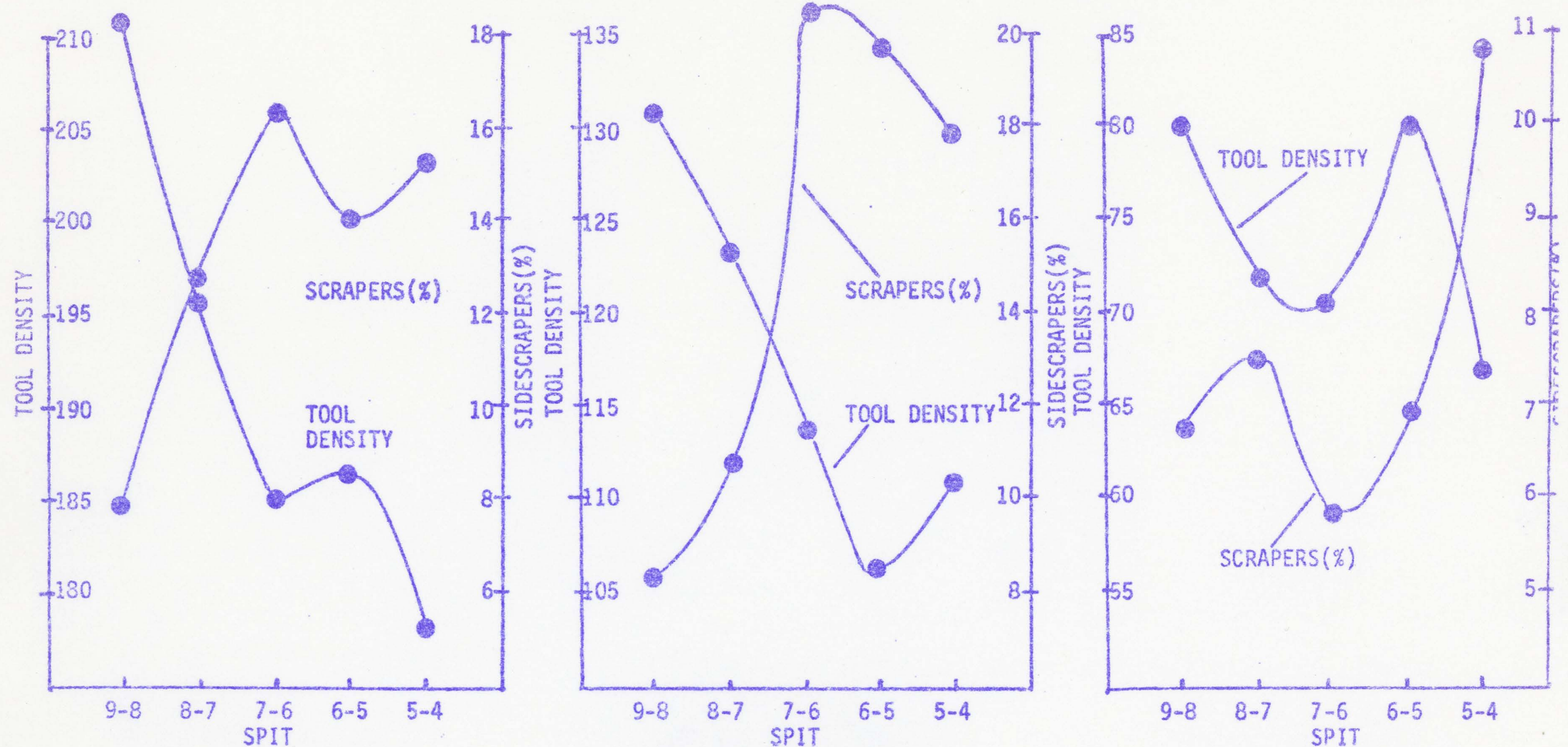
Ce. 80.12.5.4

TABLE 3

INTERLEVEL PATTERNING IN SIDESCRAPER INDICES FOR HIGH AND LOW
TOOL DENSITY AND TOOL DENSITY FOR THE TOTAL EXCAVATED AREA

LEVEL	HIGH TOOL DENSITY AREA		LOW TOOL DENSITY AREA		TOTAL EXCAVATED AREA	
	TOOL COUNT	% SIDESCRAPERS	TOOL COUNT	% SIDESCRAPERS	TOOL COUNT	% SIDESCRAPERS
4	117	21.4	56	12.5	173	18.5
5	105	14.3	78	9.0	183	12.0
6	108	25.0	82	4.9	190	16.3
7	120	15.8	60	6.7	180	12.8
8	127	5.5	84	8.3	211	6.6
9	135	11.1	76	5.3	211	9.0

Ce-30-12.5.6



OVERALL EXCAVATION
 Mean tool density = 191.3
 Mean sidescraper # = 23.5

HIGH TOOL DENSITY AREA
 Mean tool density = 118.7
 Mean sidescraper # = 18.0

LOW TOOL DENSITY AREA
 Mean tool density = 72.7
 Mean sidescraper # = 5.5

Figure 4—The relationship between tool density and the relative occurrence of sidescrapers for the overall excavations, high tool density, and low tool density areas at Rosh Ein Mor. Based on 2-point moving averages of adjacent spits (see Tukey 1977).

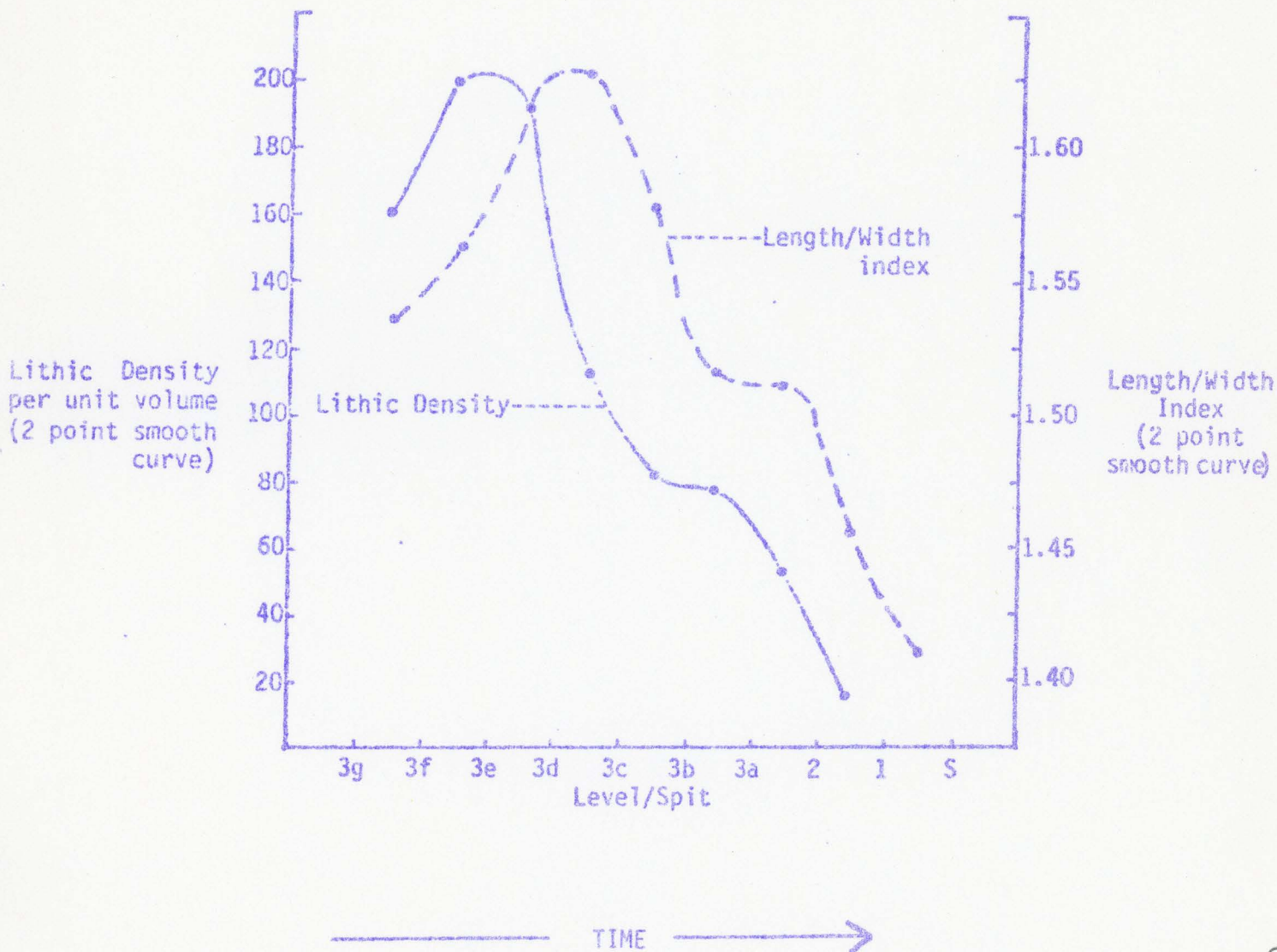


Figure 2---Developmental change in flake shape, and flake and tool density at Nahal Aqev. Flake shape change represents technological shifts through time while change in flake and tool density per unit mass of deposits may reflect occupation change through time.

Le. 30.12.5.7

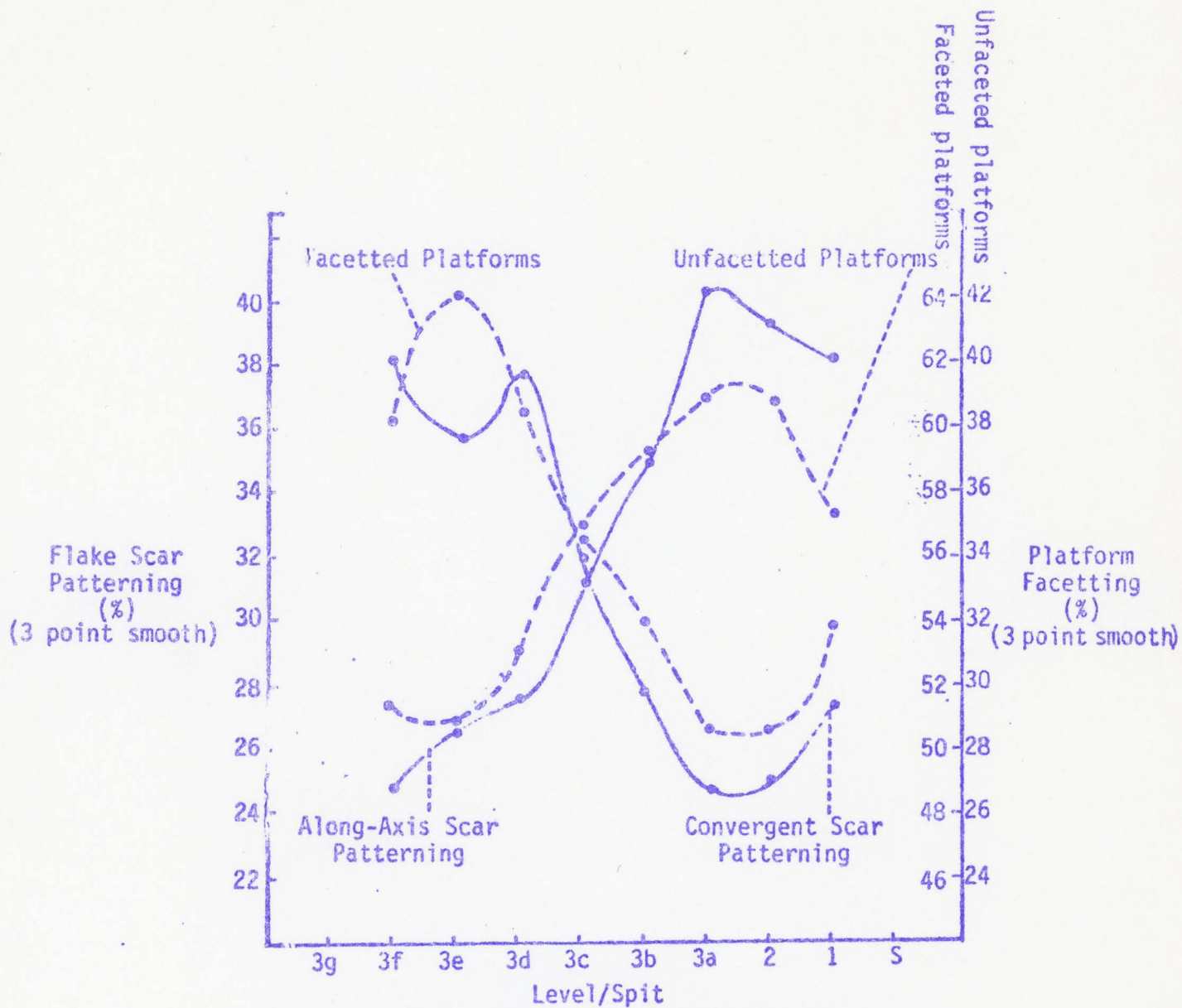


Figure --Two-point smoothed data trend profiles for simple (along axis flaking and unfacetted platforms) and complex (convergent flaking and facetted platforms) technological components at Nahal Aqev.

Le. 30.12.5-8

ALONG AXIS FLAKING

LEVEL	<u>GRID</u>				
	<u>T14</u>	<u>T15</u>	<u>T16</u>	<u>T17</u>	<u>T18</u>
3a	23.1(13)	52.6(19)	50.0(10)	38.1(21)	29.4(34)
3b	28.5(42)	28.9(59)	37.0(46)	30.6(36)	36.1(61)
3c	32.0(25)	28.6(28)	30.8(13)	21.2(33)	0.0(7)
3d	40.6(10)	15.6(32)	21.6(37)	20.0(50)	25.6(44)
3e	12.5(48)	23.1(52)	28.5(63)	27.2(103)	27.6(37)
3f	0.0(7)	20.0(20)	12.5(16)	46.1(39)	10.0(10)
3g	26.4(19)	21.8(46)	25.6(43)	6.3(16)	47.1(17)

CONVERGENT FLAKING

LEVEL	<u>GRID</u>				
	<u>T14</u>	<u>T15</u>	<u>T16</u>	<u>T17</u>	<u>T18</u>
3a	30.8(13)	26.3(19)	10.0(10)	9.5(21)	17.6(34)
3b	21.4(42)	22.0(59)	21.7(46)	27.8(36)	21.3(61)
3c	28.0(25)	23.1(13)	48.5(33)	28.6(37)	37.1(35)
3d	10.0(10)	37.5(32)	32.4(37)	32.0(50)	40.9(44)
3e	50.0(48)	36.5(52)	41.3(63)	48.0(103)	27.0(37)
3f	28.6(7)	35.0(20)	37.5(10)	20.5(39)	50.0(10)
3g	36.8(19)	43.5(46)	34.9(43)	62.5(16)	41.2(17)

Table 4: The occurrence (%) of along-axis and convergent flaking techniques in five 1 X 1 meter grids over seven 10 cm levels within Nahal Aqev.

Ce-30.12.5.9