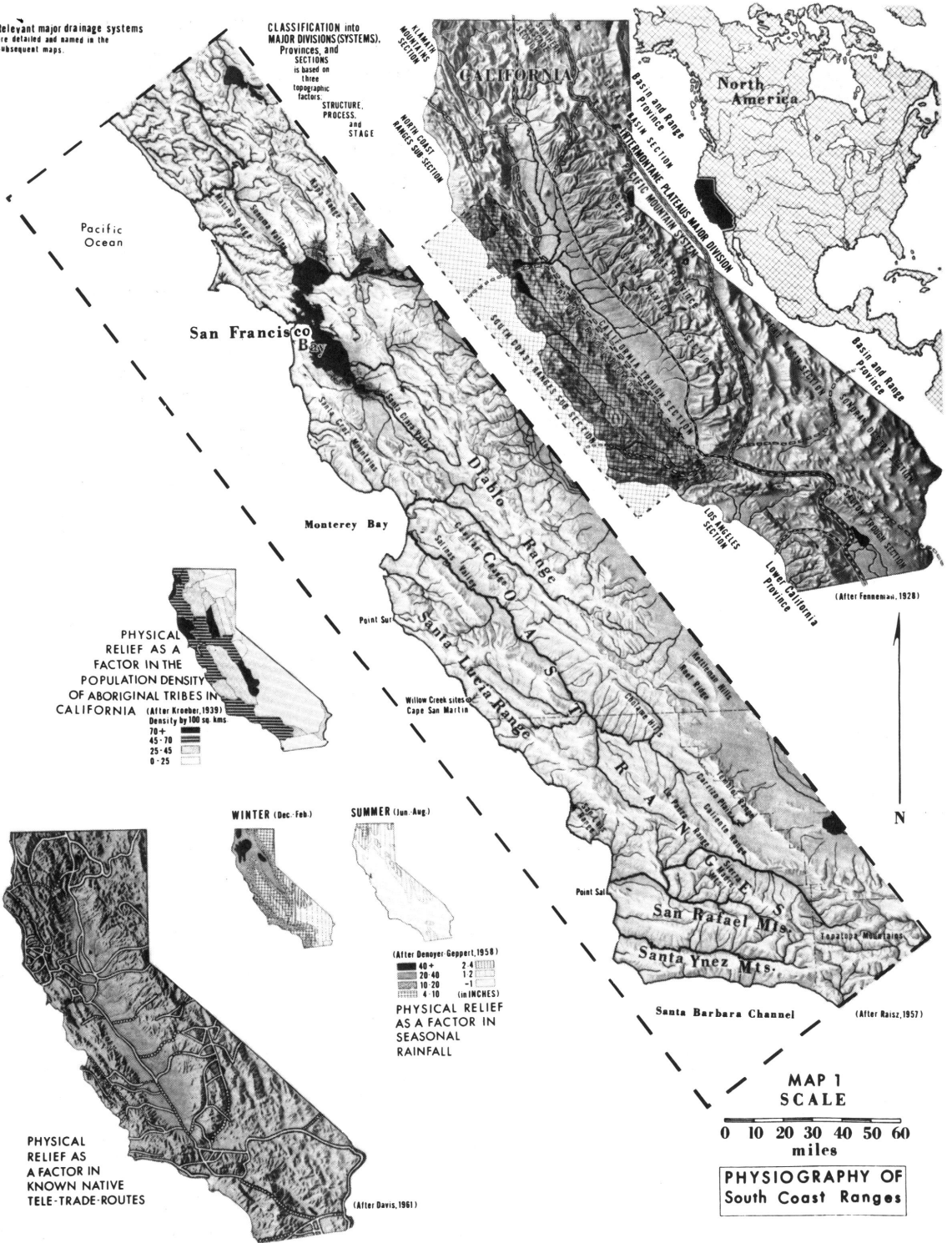
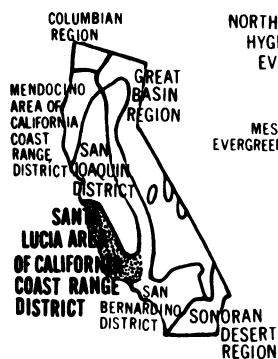


Relevant major drainage systems are detailed and named in the subsequent maps.

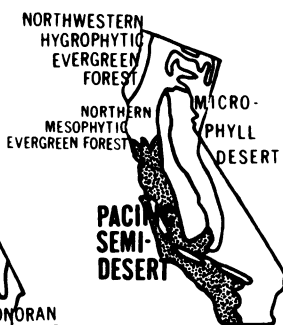
CLASSIFICATION into MAJOR DIVISIONS (SYSTEMS), PROVINCES, and SECTIONS is based on three topographic factors: STRUCTURE, PROCESS, and STAGE



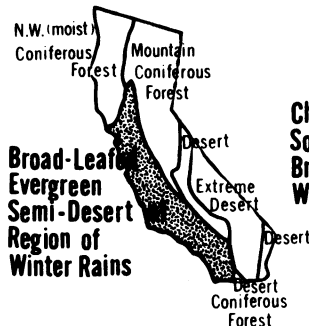
VEGETATION AREAS (4 Schemes)



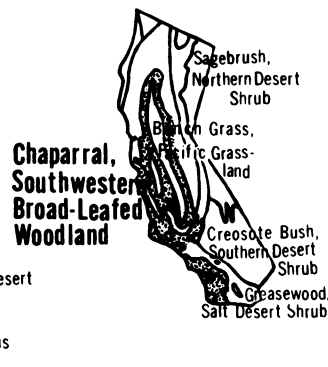
(Harshberger)



(Shreve)

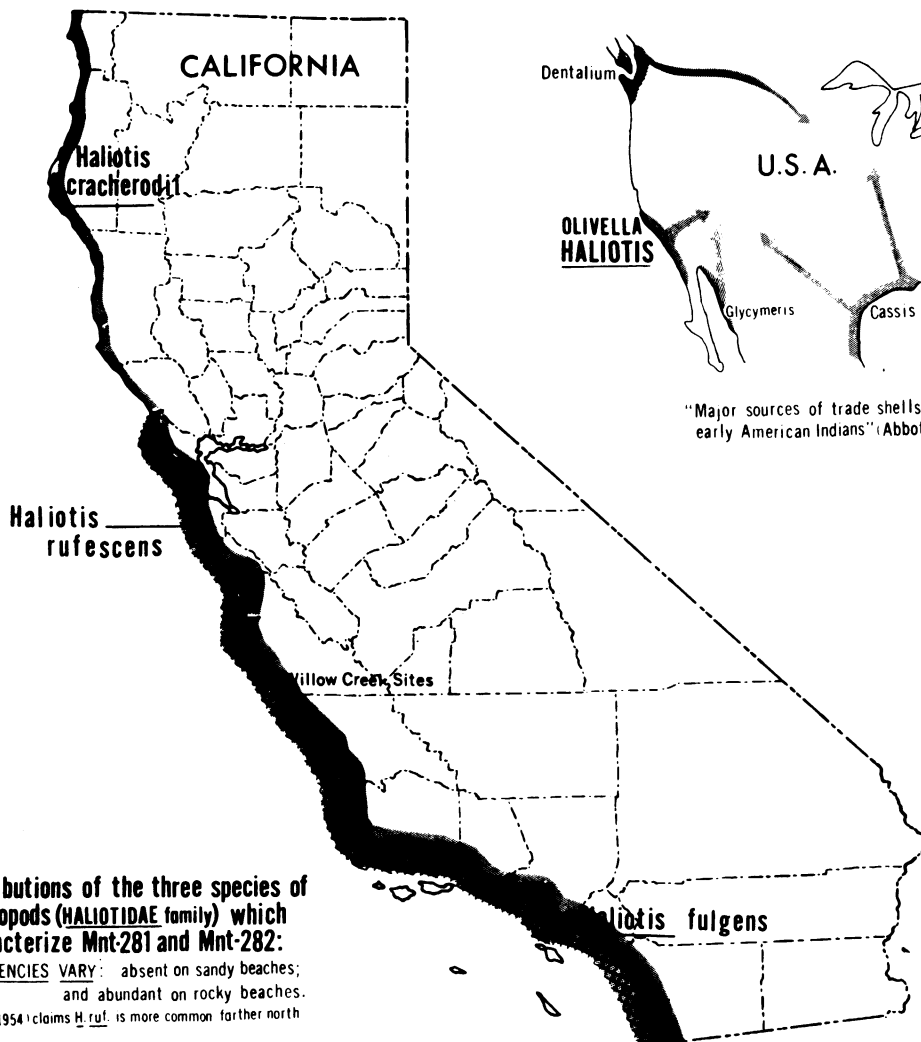


(Shelford)



(Shantz-Zon)

"Trade shells"



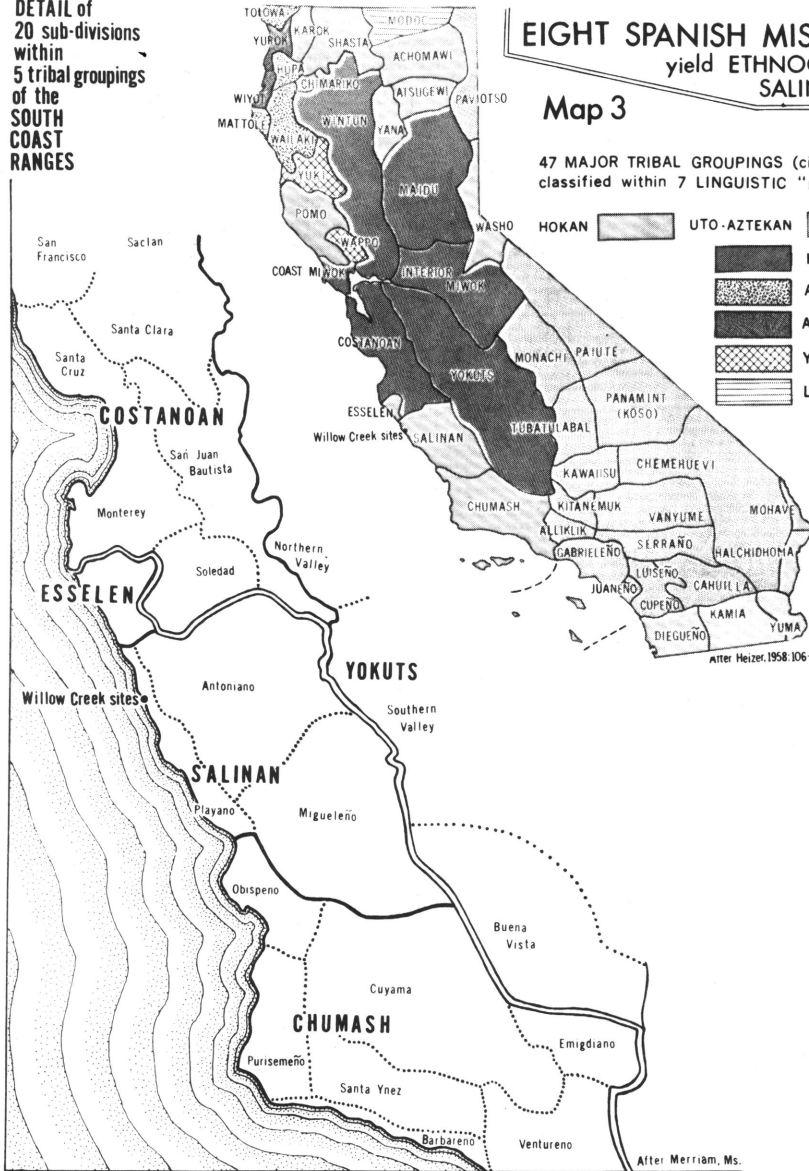
"Major sources of trade shells used by early American Indians" (Abbott, 1954:8)

Distributions of the three species of gastropods (HALIOTIDAE family) which characterize Mnt-281 and Mnt-282:

FREQUENCIES VARY: absent on sandy beaches; and abundant on rocky beaches.

Light (1954) claims *H. ruf.* is more common farther north

DETAIL of 20 sub-divisions within 5 tribal groupings of the SOUTH COAST RANGES



**EIGHT SPANISH MISSIONS**, whose records yield **ETHNOGRAPHIC DATA** ABOUT THE **SALINAN** and **COSTANOAN** folk in the **South Coast Ranges**

**Map 3**

47 MAJOR TRIBAL GROUPINGS (circa. 1770) classified within 7 LINGUISTIC "FAMILIES"

- HOKAN
- UTO-AZTEKAN
- PENUTIAN
- ATHABASCAN
- ALGONKIAN
- YUKIAN
- LUTUAMIAN



**San Francisco de Asis**



**San Jose**



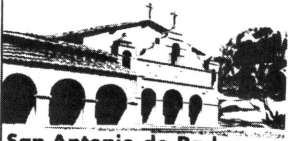
**Santa Clara**



**San Juan Bautista**



**San Carlos del Carmelo**



**San Antonio de Padua**



**San Miguel**



**San Luis Obispo**

**CULTURE AREAS**  
(After Kroeber, 1939)

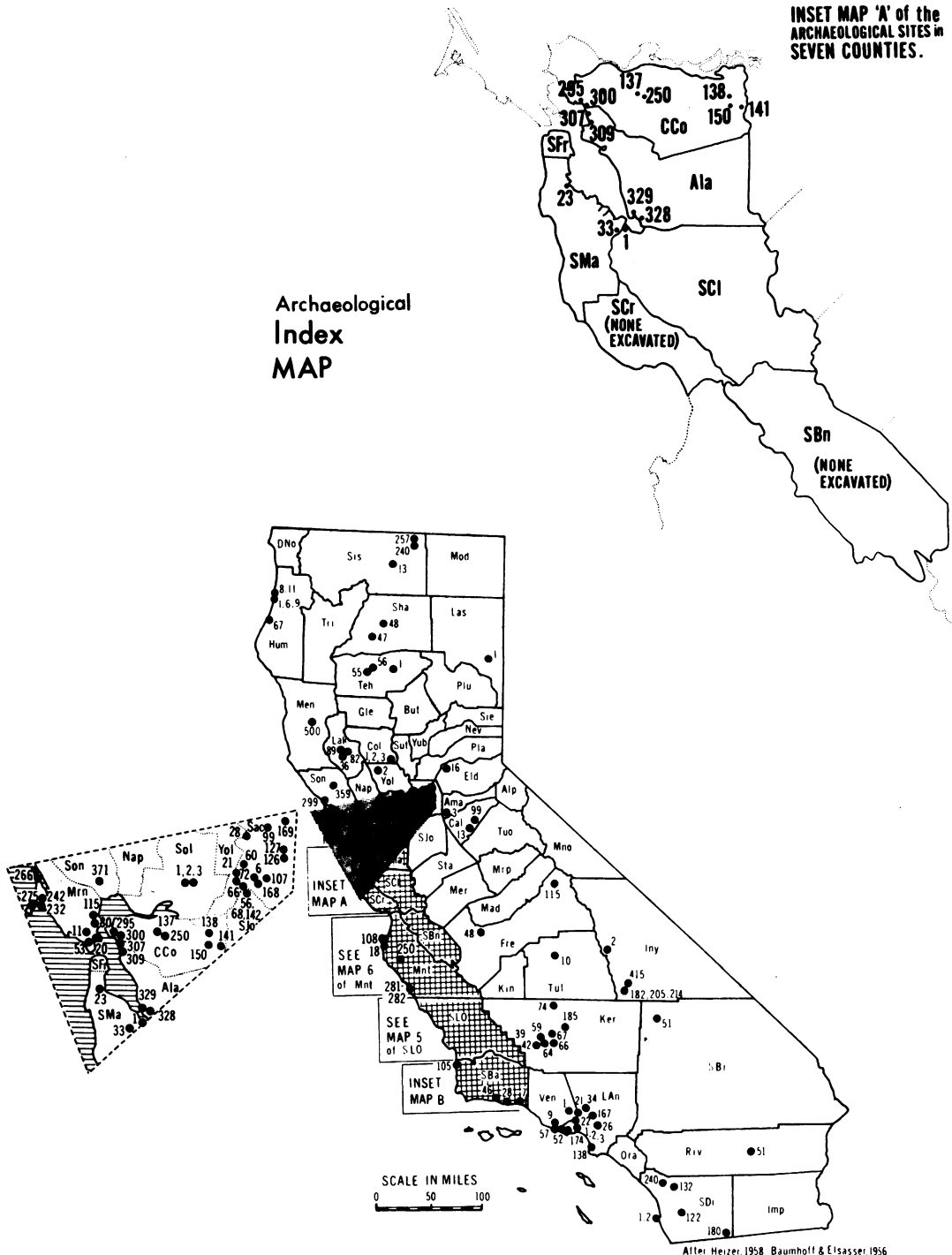
KLIMEK (1935:52) HAS MAPPED 7 CALIFORNIA PROVINCES BASED ON A STATISTICAL ANALYSIS OF THE DISTRIBUTION OF 400 TRAITS; Salinan (Willow Creek) vicinity is lumped with San Joaquin and South Central Valleys as one of four other TRANSITIONAL PROVINCES.



0 100 200 300 MILES

**INSET MAP 'A' of the  
ARCHAEOLOGICAL SITES in  
SEVEN COUNTIES.**

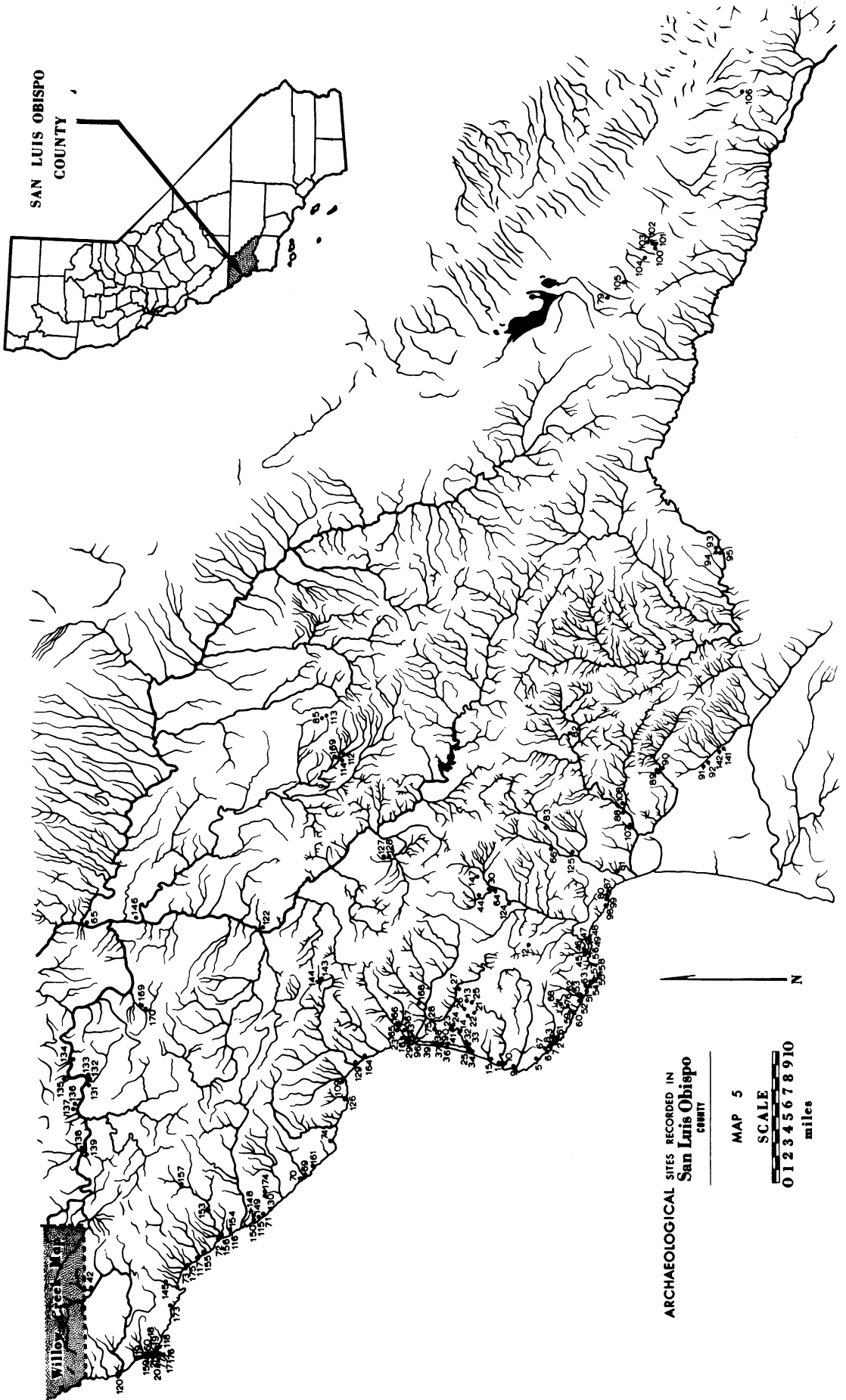
**Archaeological  
Index  
MAP**

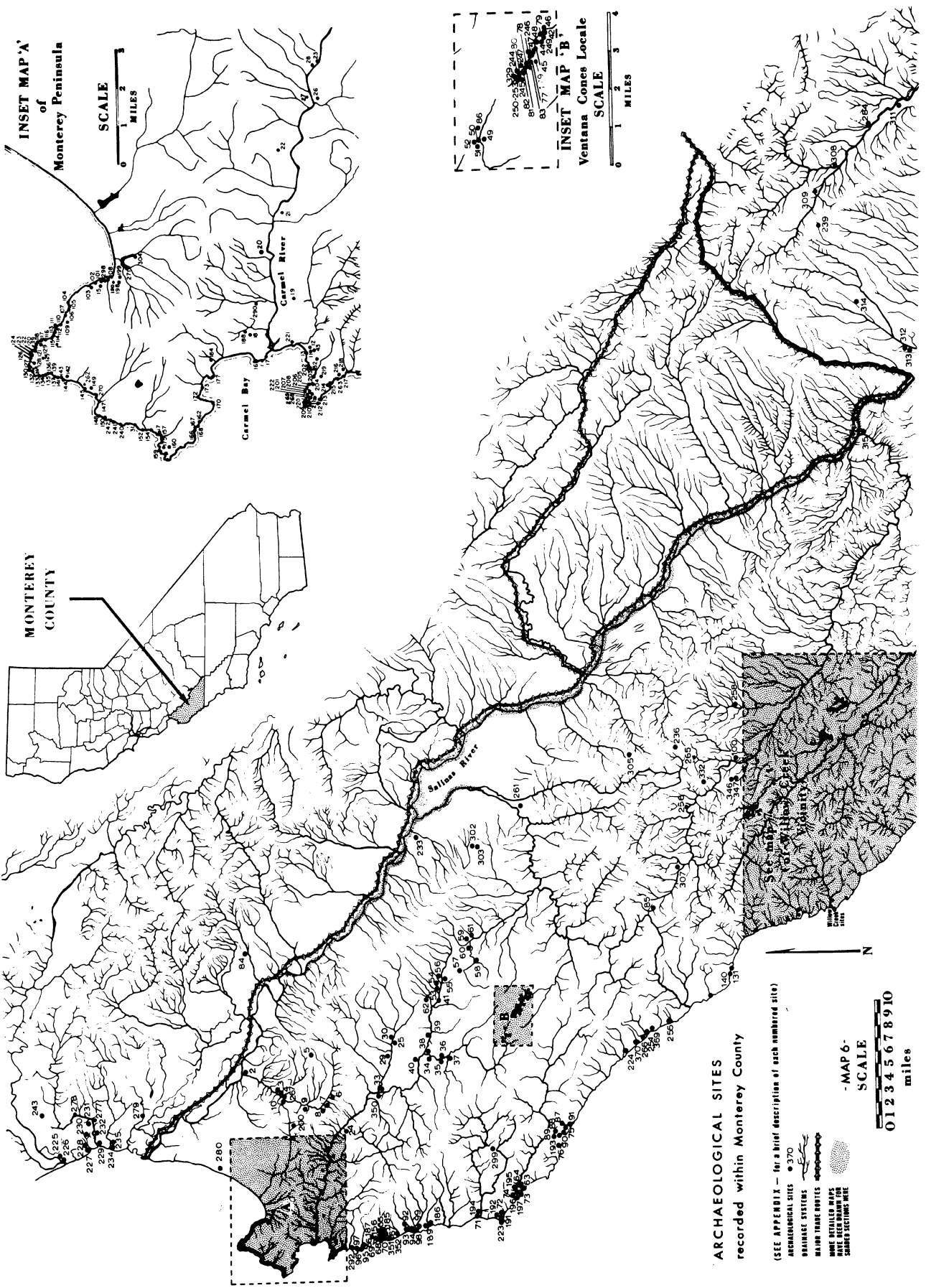
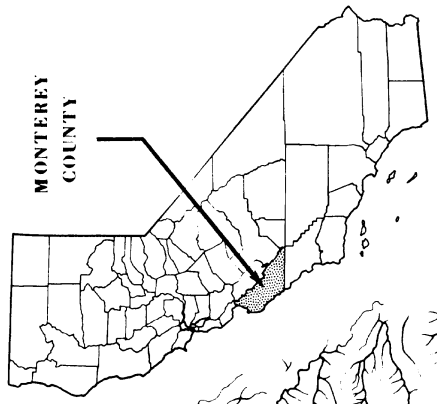
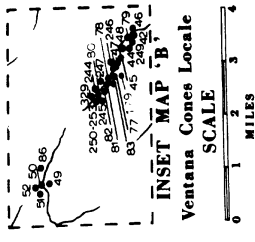
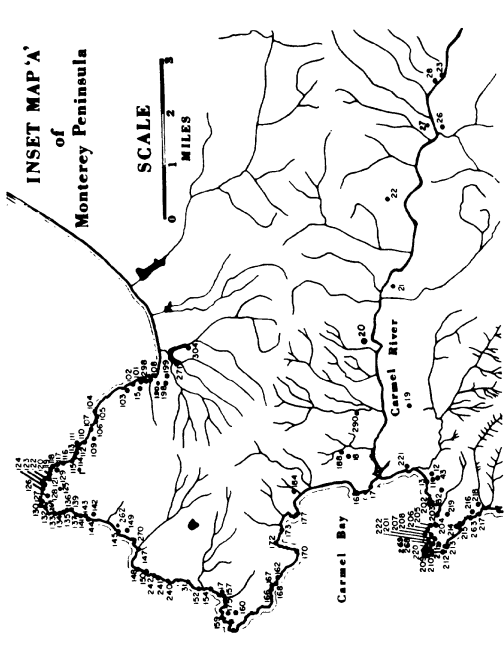


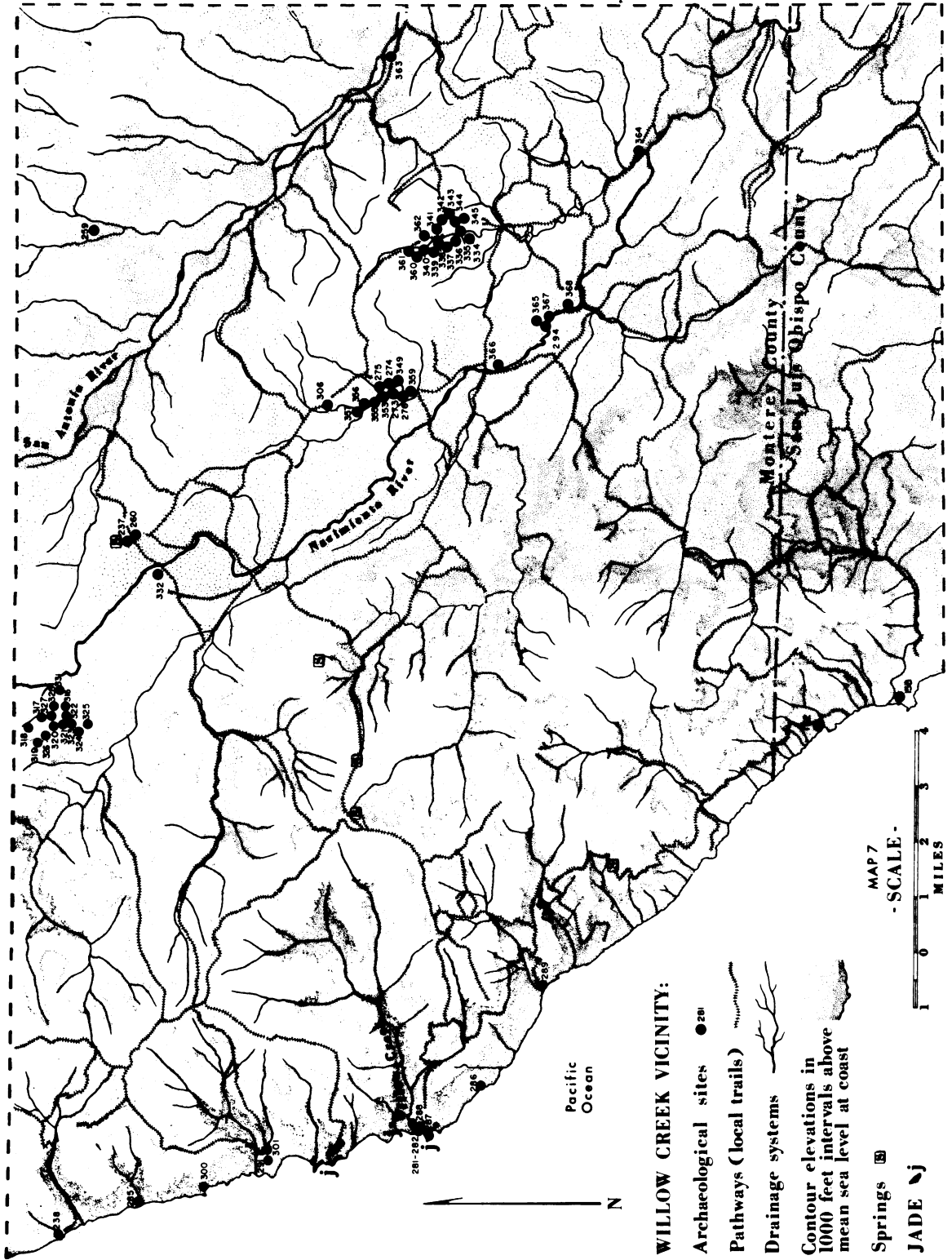
**Excavated  
Sites  
in  
CALIFORNIA**

**INSET MAP 'B' of the  
ARCHAEOLOGICAL SITES in  
SANTA BARBARA COUNTY**

**Map 4**







**WILLOW CREEK VICINITY:**

- Archaeological sites ●
- Pathways (local trails) —
- Drainage systems —
- Contour elevations in 1000 foot intervals above mean sea level at coast
- Springs ☐
- JADE ○

MAP 7  
 - SCALE -  
 0 1 2 3 4  
 MILES

WILLOW CREEK

Rocky stream overflow area

Map 8  
GRID SYSTEM  
TWO  
WILLOW CREEK SITES

Boulder  
Covered  
COASTAL  
BEACH  
of the  
Pacific  
Ocean

CUTBANK

**d4** EXCAVATION UNIT in the upper midden MNT-281

**w5** STRATACUT through both upper & lower middens

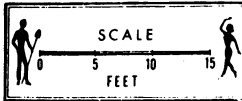
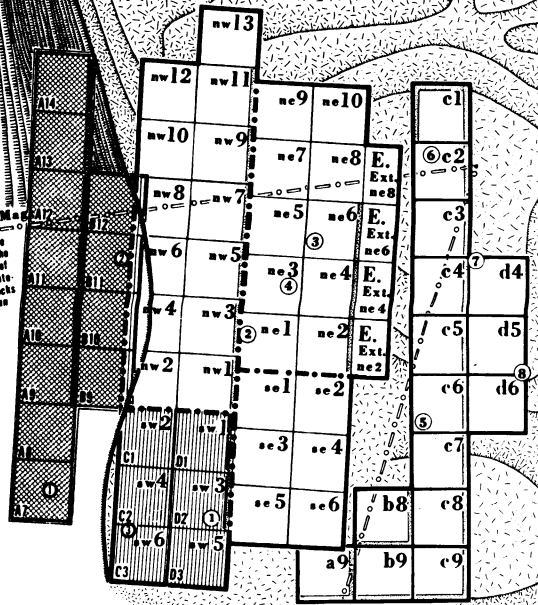
Lower midden MNT-282

Profile elevations have been drawn for these units

Met 281

Met 282

240° Mag. About one mile to the northwest of three waste-covered rocks in the ocean



87 feet to the sharp, pointed rock-outcrop at the base of this very steep slope

Very High Hill

MAGNETIC NORTH

Contour interval = 6 inches



# panoramic overviews

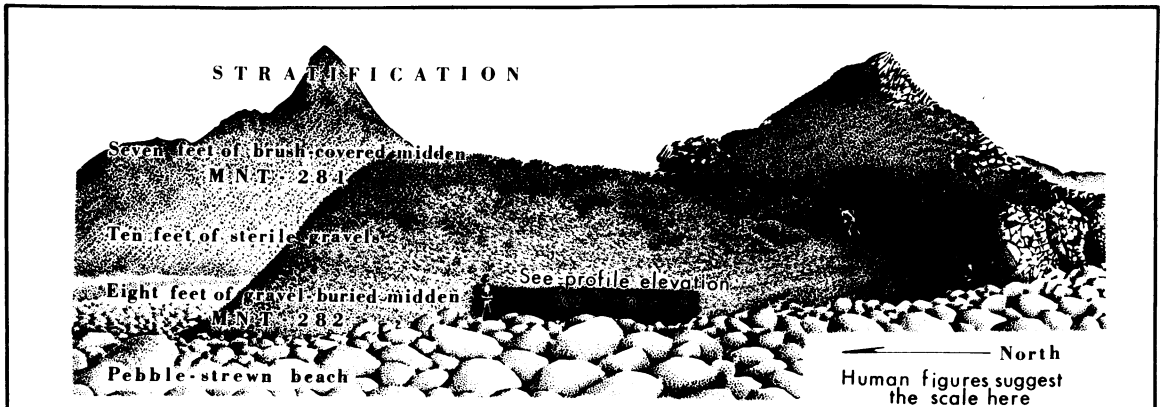
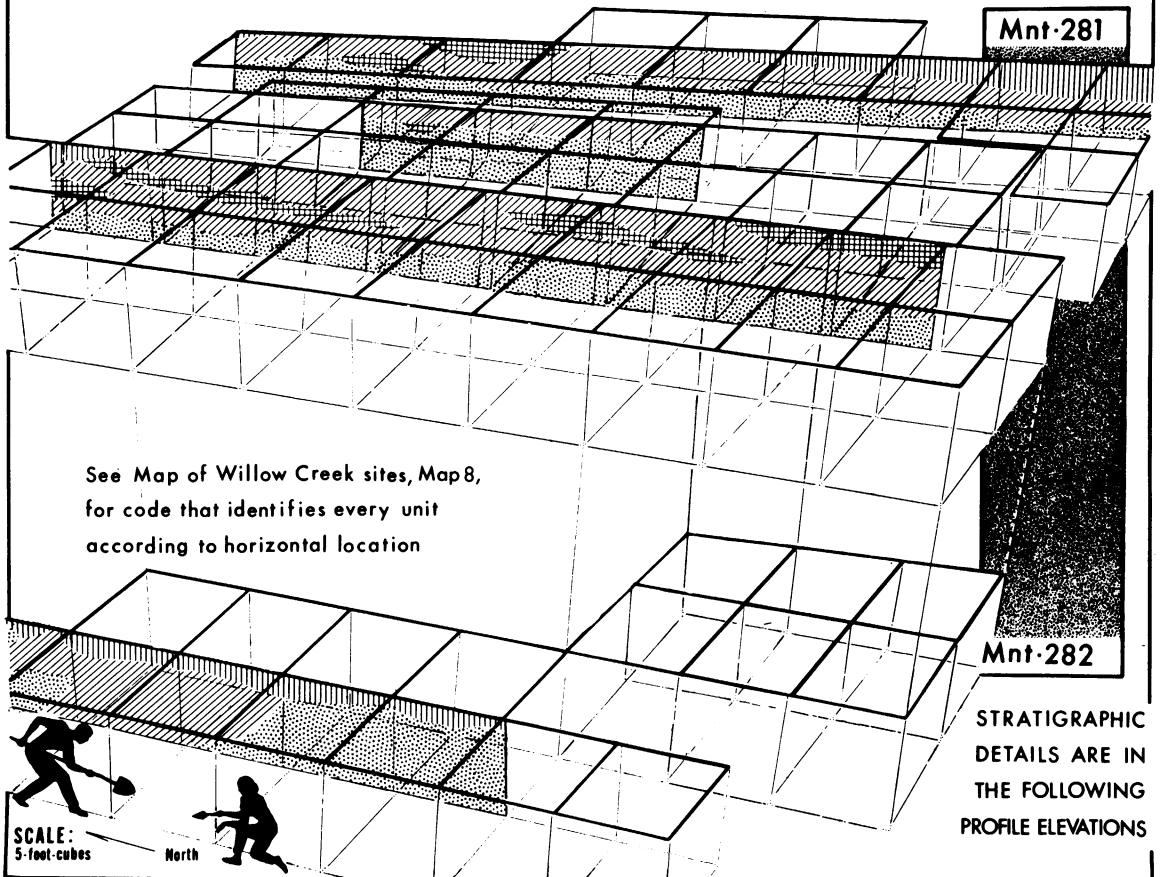
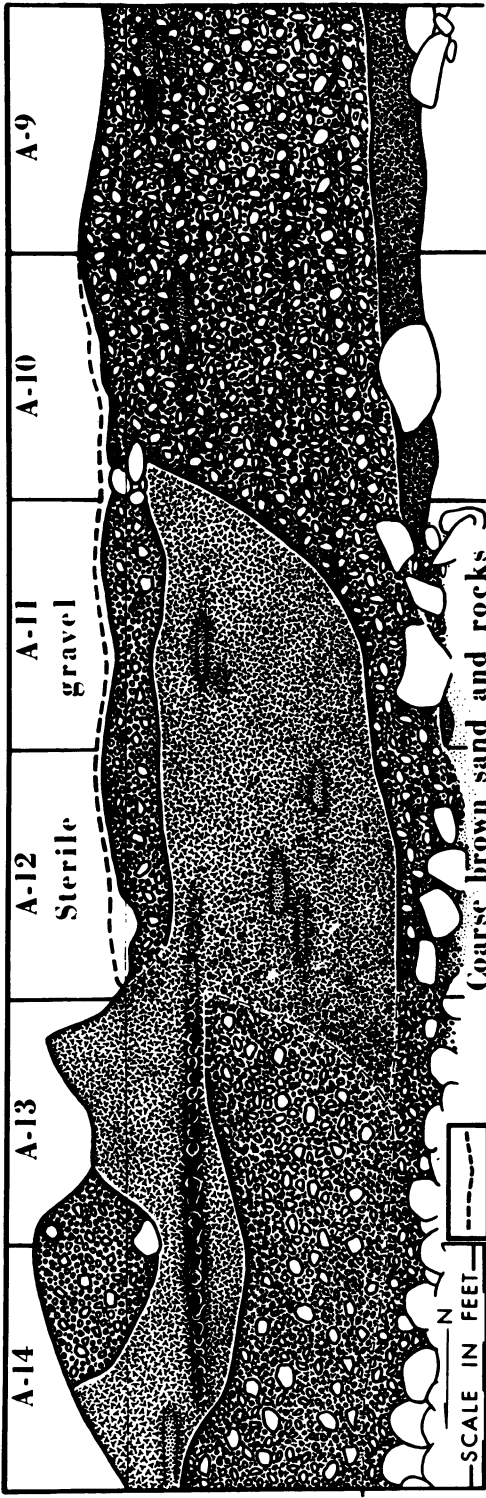


Figure 1








## BLOCK DIAGRAM of EXCAVATION UNITS in WILLOW CREEK SITES:

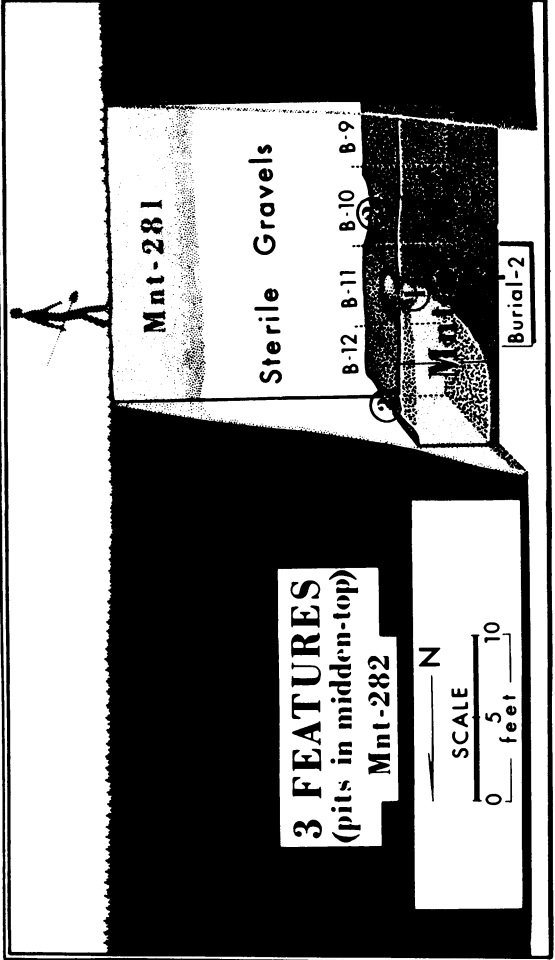


**PROFILE ELEVATION of WEST-FACING WALL in TRENCH-A: MNT-282**



Vague limit

-  Dark shelly midden with very few rocks
-  Very rocky shell-midden, vaguely banded
-  Gravelly midden
-  Shell
-  Ash
-  Rocks
-  Charcoal

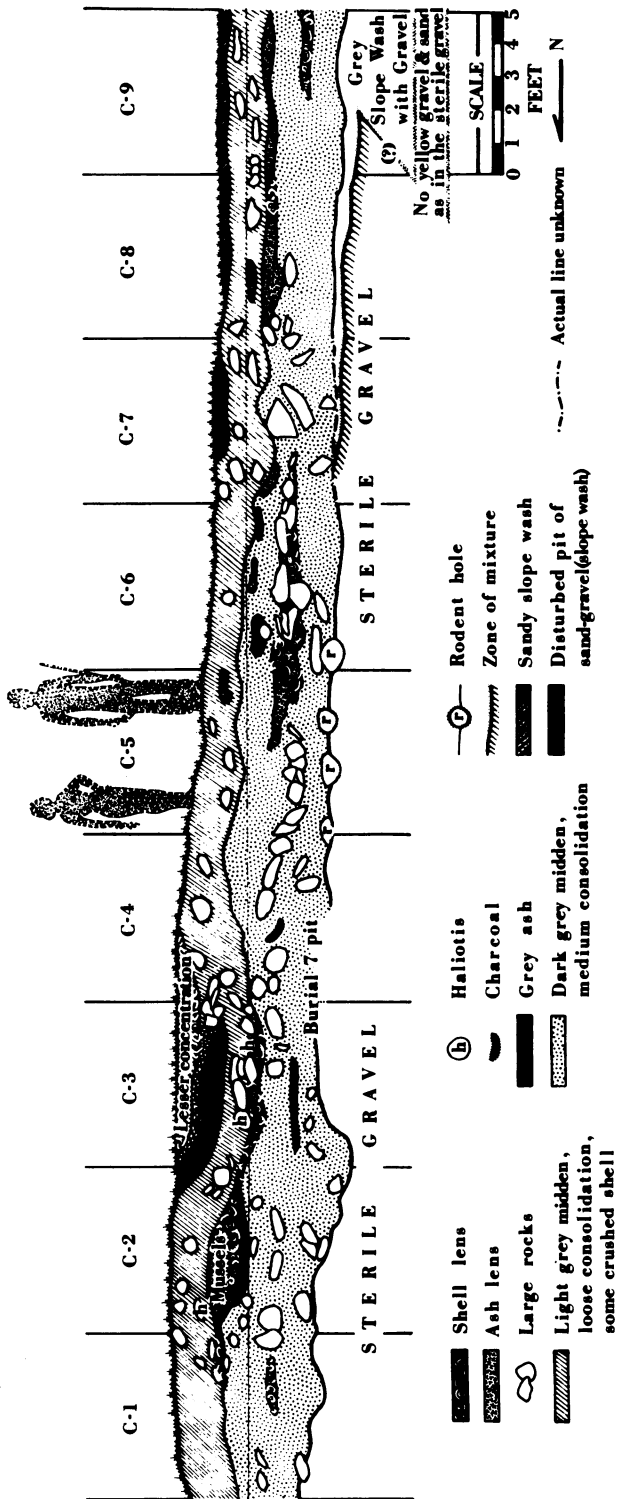


**3 FEATURES**  
(pits in midden-top)  
Mnt-282

SCALE  
0 5 10  
feet

Figure 2

PROFILE ELEVATION of WEST-FACING WALL IN TRENCH-C AT SITE MNT-281



Profile Elevations for adjacent walls in two sections: Mnt-281

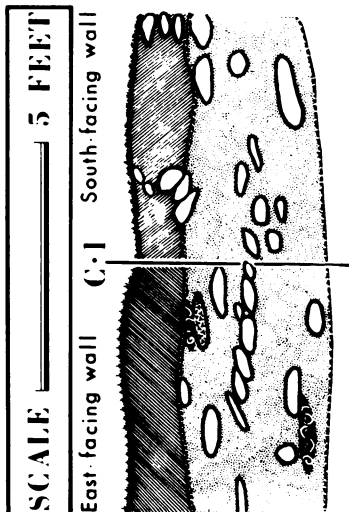
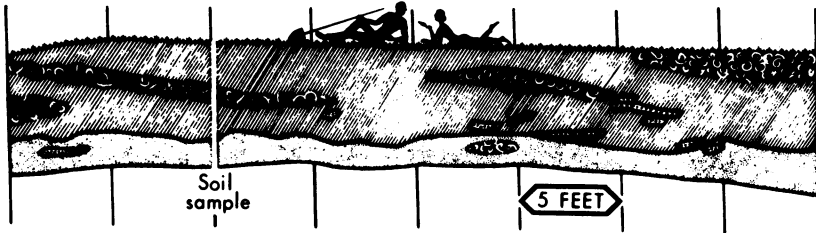







Figure 3

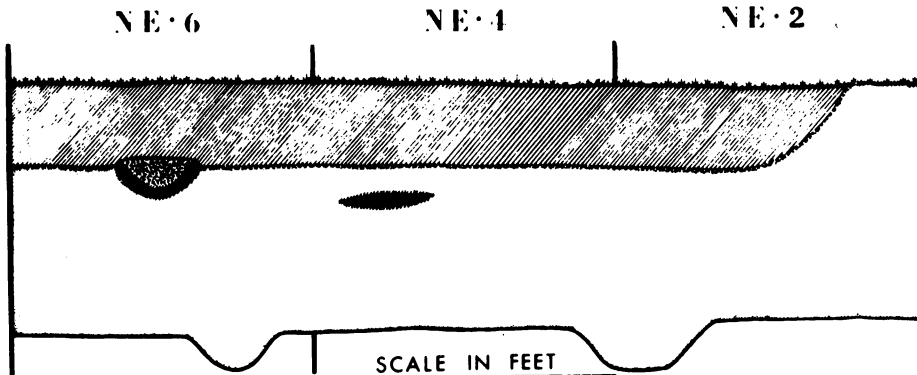
MNT-281  
**Profile elevation: West-facing wall: W-trench**

NW-11 NW-9 NW-7 NW-5 NW-3 NW-1 SW-1 SW-3



	Grey, loose and dry ash-midden, with much shell and a few rocks		Black, damp and sandy midden, with many rocks and some shell
	Yellow ash		Charcoal
			Shell lens

— N



SCALE IN FEET  
 0 1 2 3 4 5  
**PROFILE ELEVATION**  
 west-facing wall  
 E-TRENCH  
 Mnt-281

Figure 4

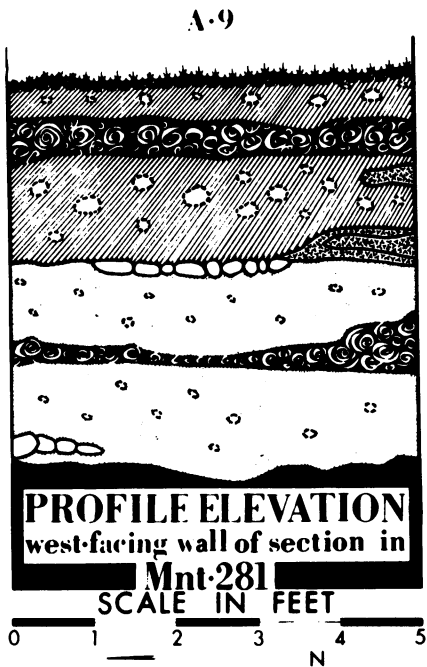
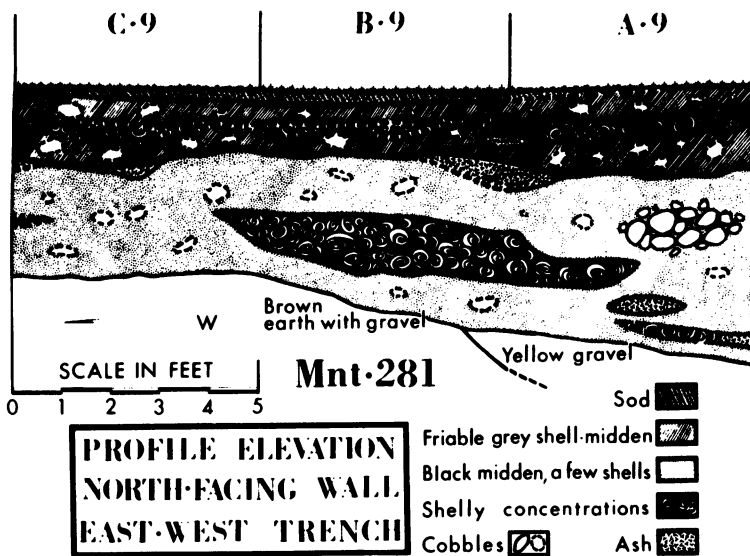
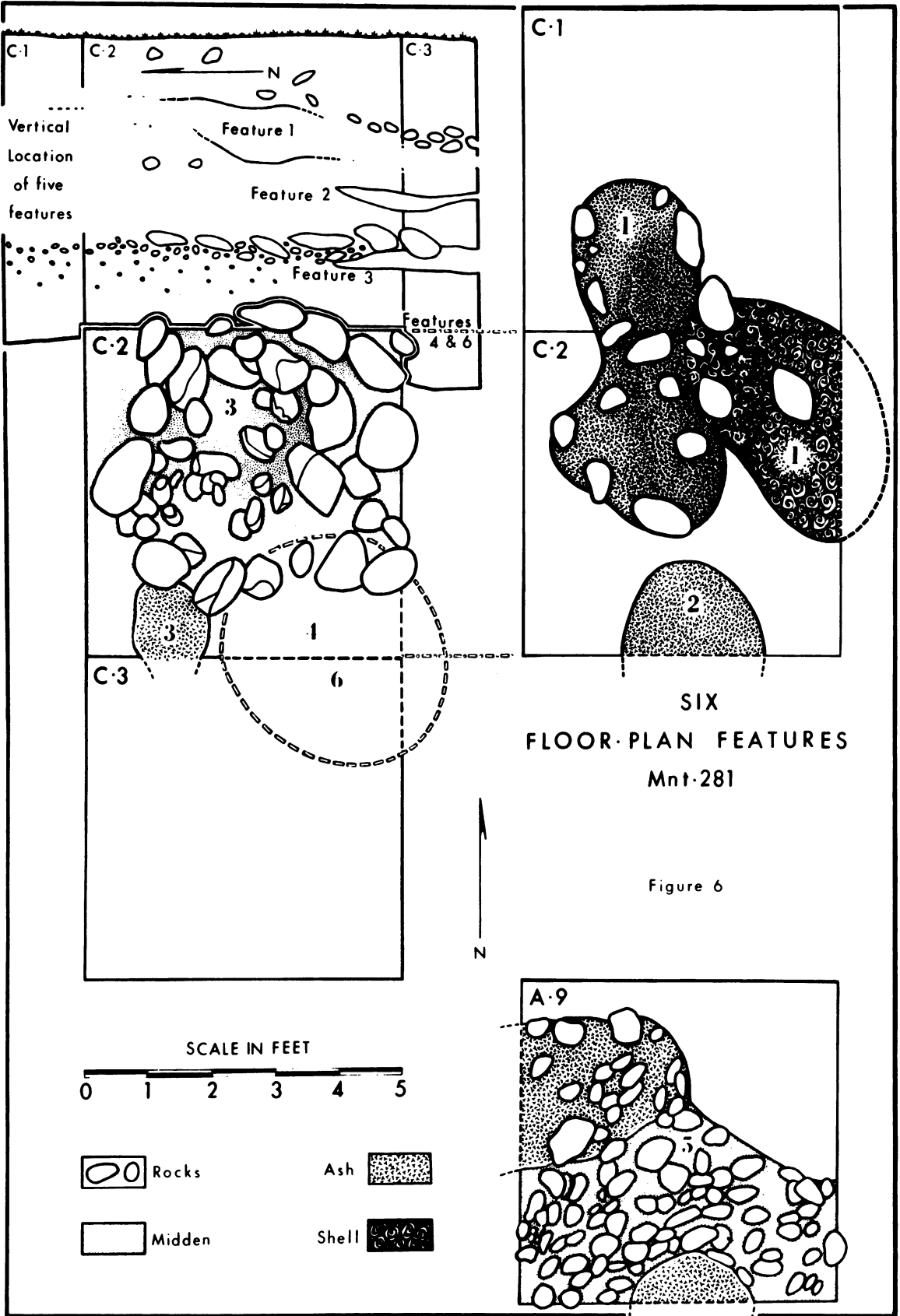


Figure 5



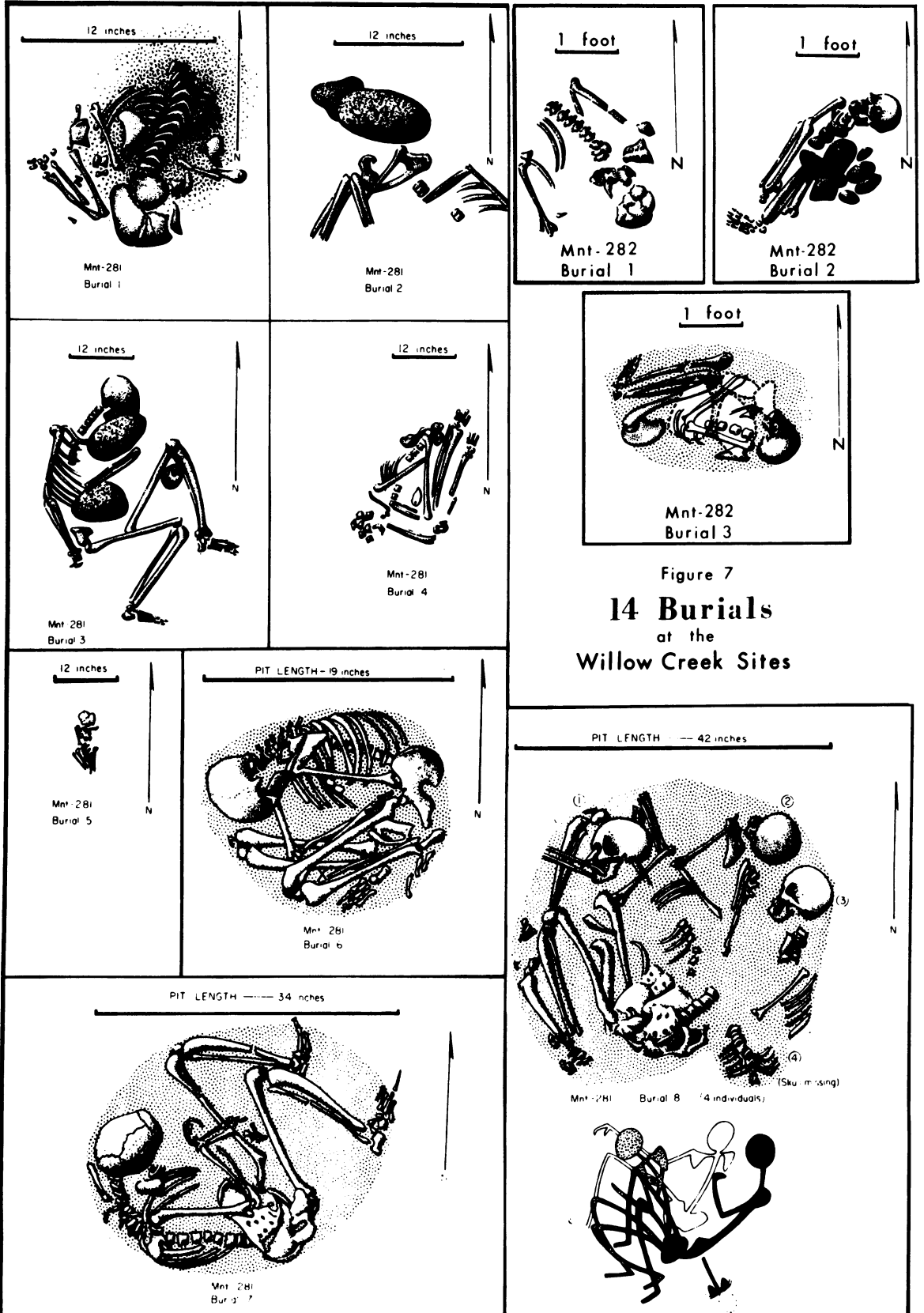
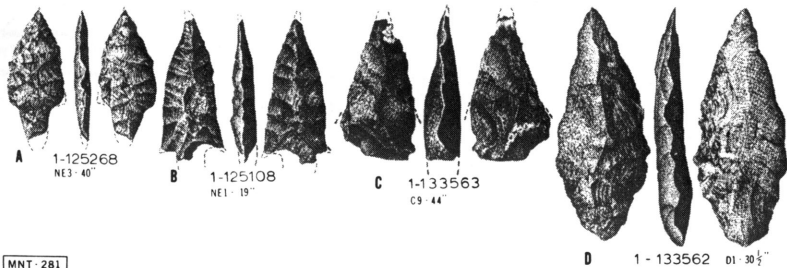


Figure 7  
**14 Burials**  
 at the  
**Willow Creek Sites**



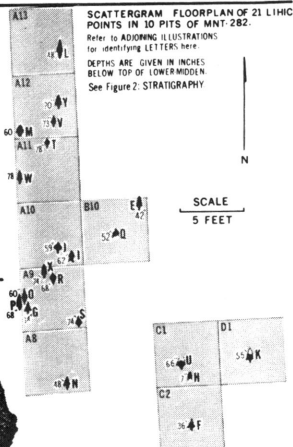
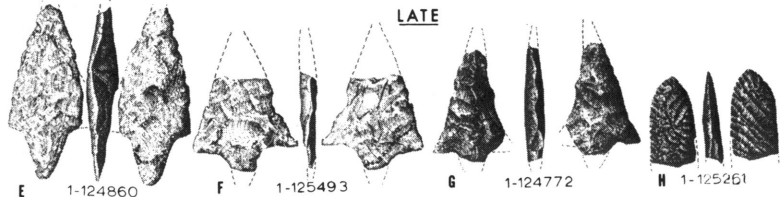
**25 Lithic Points FROM TWO SITES AT WILLOW CREEK**



Figure 8

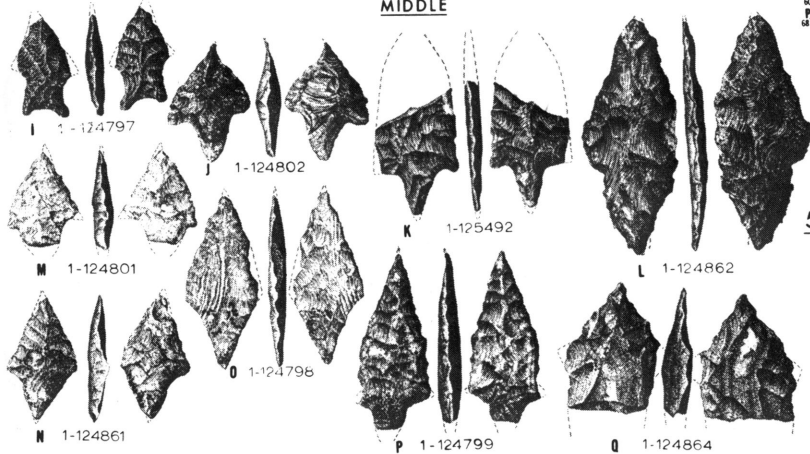
MNT-281

**LATE**



MNT-282

**MIDDLE**



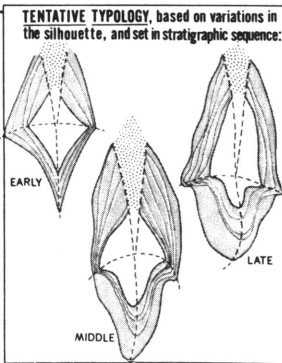
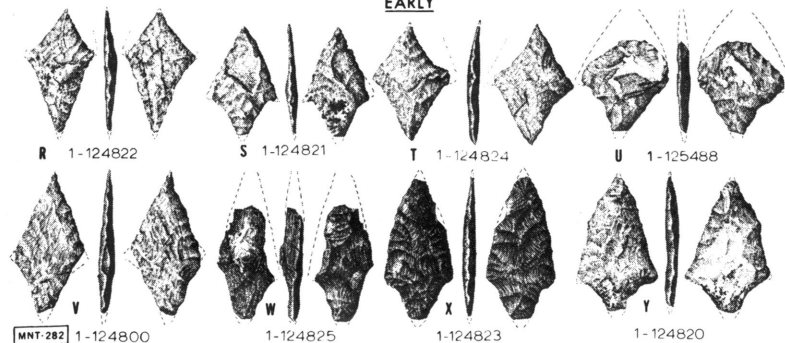
**5 Design Elements**

- Most points: STEMMED with BASES TAPERING TO A VERY SHARP POINT;
  - ASYMMETRICAL with ONE SHOULDER BARBED AND/OR MUCH LONGER THAN THE OTHER;
  - EDGES TRIMMED BIFACIALLY TOWARD THE CENTER, FROM FOUR DIRECTIONS;
  - ASPHALTUM ADHESIVE AROUND BASE;
  - MOTTLED CHERY MATERIALS.
- [EXCEPTIONS: H and I (INTRUSIVE?).]**

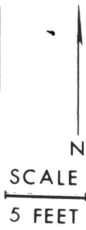
**ALL EARLY POINTS HAVE FLATTER BASES THAN THE LATER ONES.**  
 THIS RELATES TO HAFTING.

MNT-282

**EARLY**

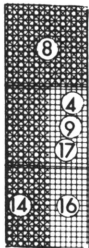




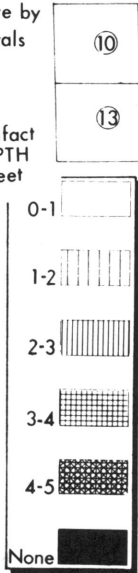


Scattergram  
Floorplan of  
21  
Incised Stones  
in 12 pits at  
Mnt-281

Refer to adjoining numbered illustrations for identifying the artifacts that are indicated here by circled numerals

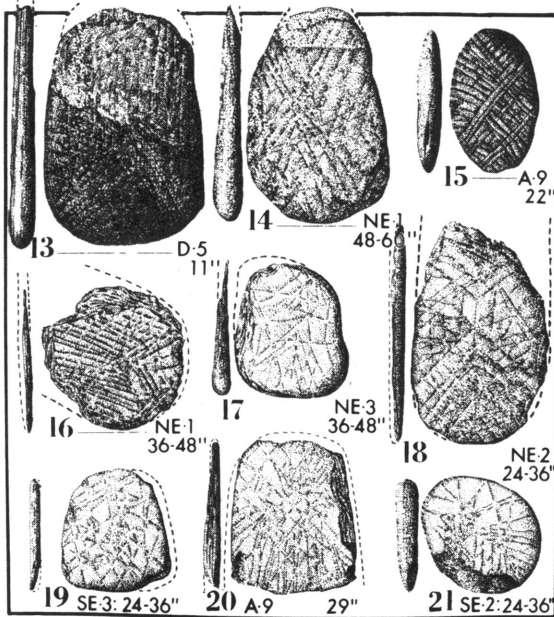
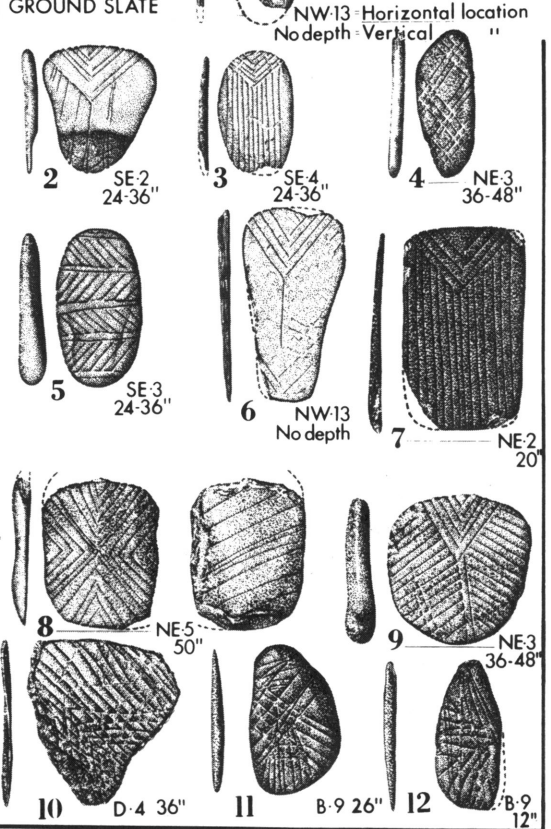
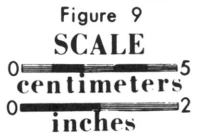


Artifact DEPTH in feet



Mnt-281  
Incised  
Stones

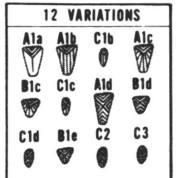
GROUND SLATE



SOME BASIC DESIGN ELEMENTS

SHAPE (Most tend to taper somewhat):

- A- Sub-rectanguloid (6,7,8,13,14,16,18,20)
- B- Sub-trianguloid (2,9,17,19)
- C- Sub-ovoid (1,3,4,4,5,11,12,15,21)



INCISIONS (Most have chevron motif):

- 1- Chevron (at broad, blunt end)  
This motif is linked to a variety of longitudinal patterns on the face: a- SINGLE LINE (6) b- PARALLEL LINES (3,7,10,13,16) c- CONVERGING LINES (1,2,20) d- CONVERGING CHEVRONS (8,12,14,18,19,21) e- BANDED HERRING-BONE (9)
- 2- Plaid-like (4,11,15)
- 3- Banded herring-bone (5)

UCMA NUMBERS FOR THESE ILLUSTRATED ARTIFACTS

1	1-125297	8	1-125173	15	1-133548
2	1-125415	9	1-125227	16	1-125064
3	1-125589	10	1-133547	17	1-125197
4	1-125196	11	1-133559	18	1-125241
5	1-125571	12	1-133543	19	1-125572
6	1-125398	13	1-133542	20	1-133559
7	1-125176	14	1-125236	21	1-125416

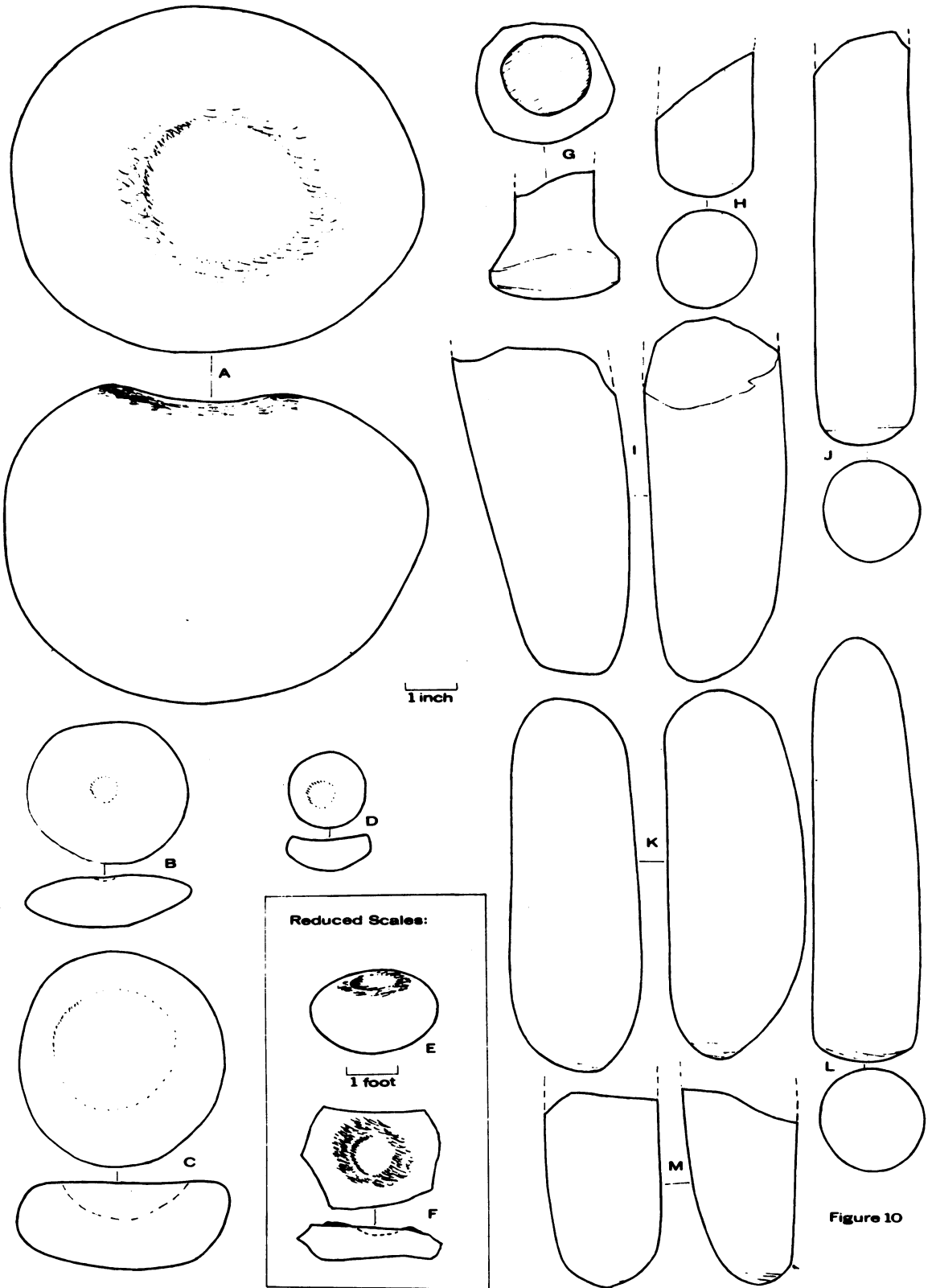
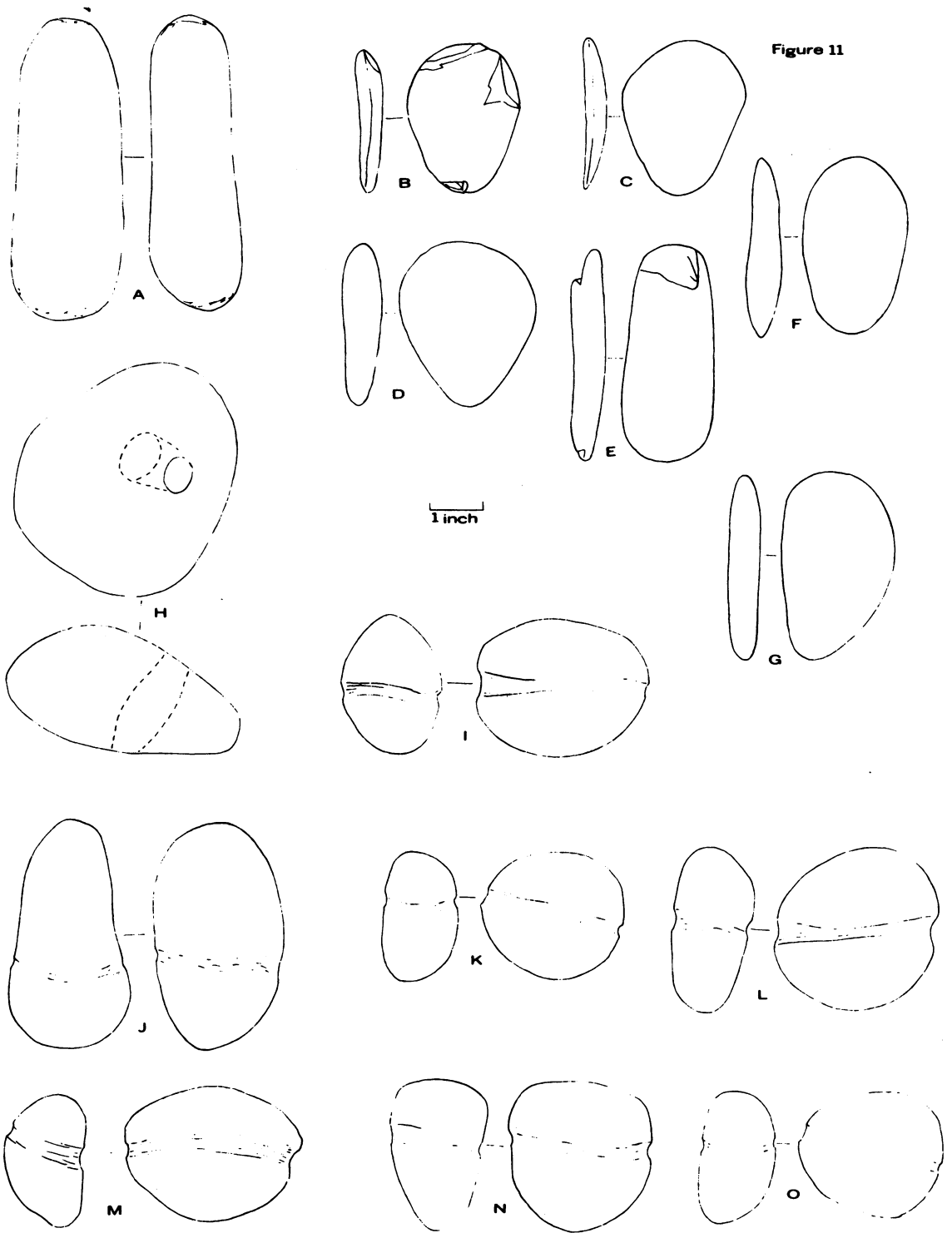
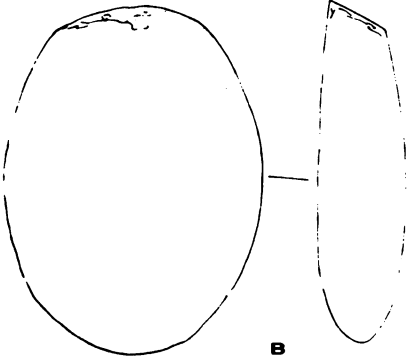
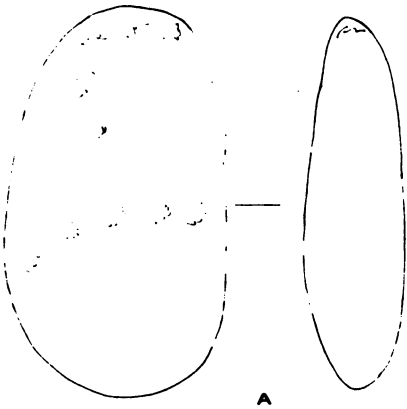


Figure 10





1 inch

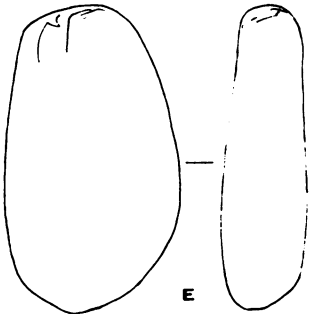
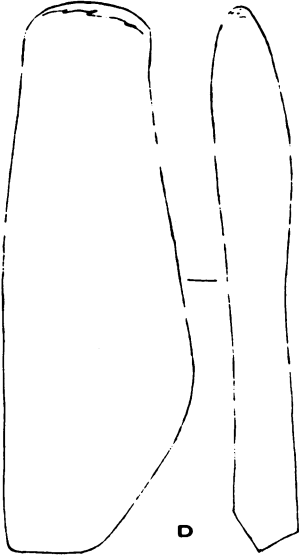
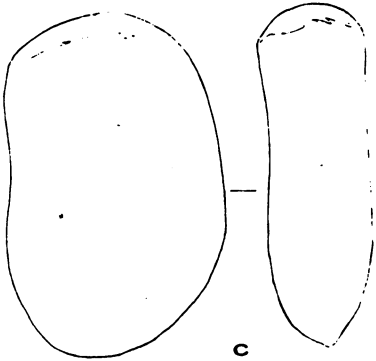
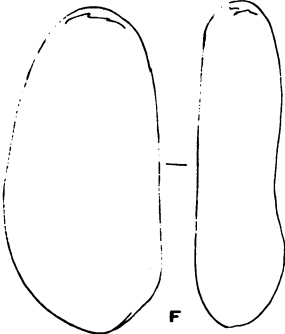


Figure 12



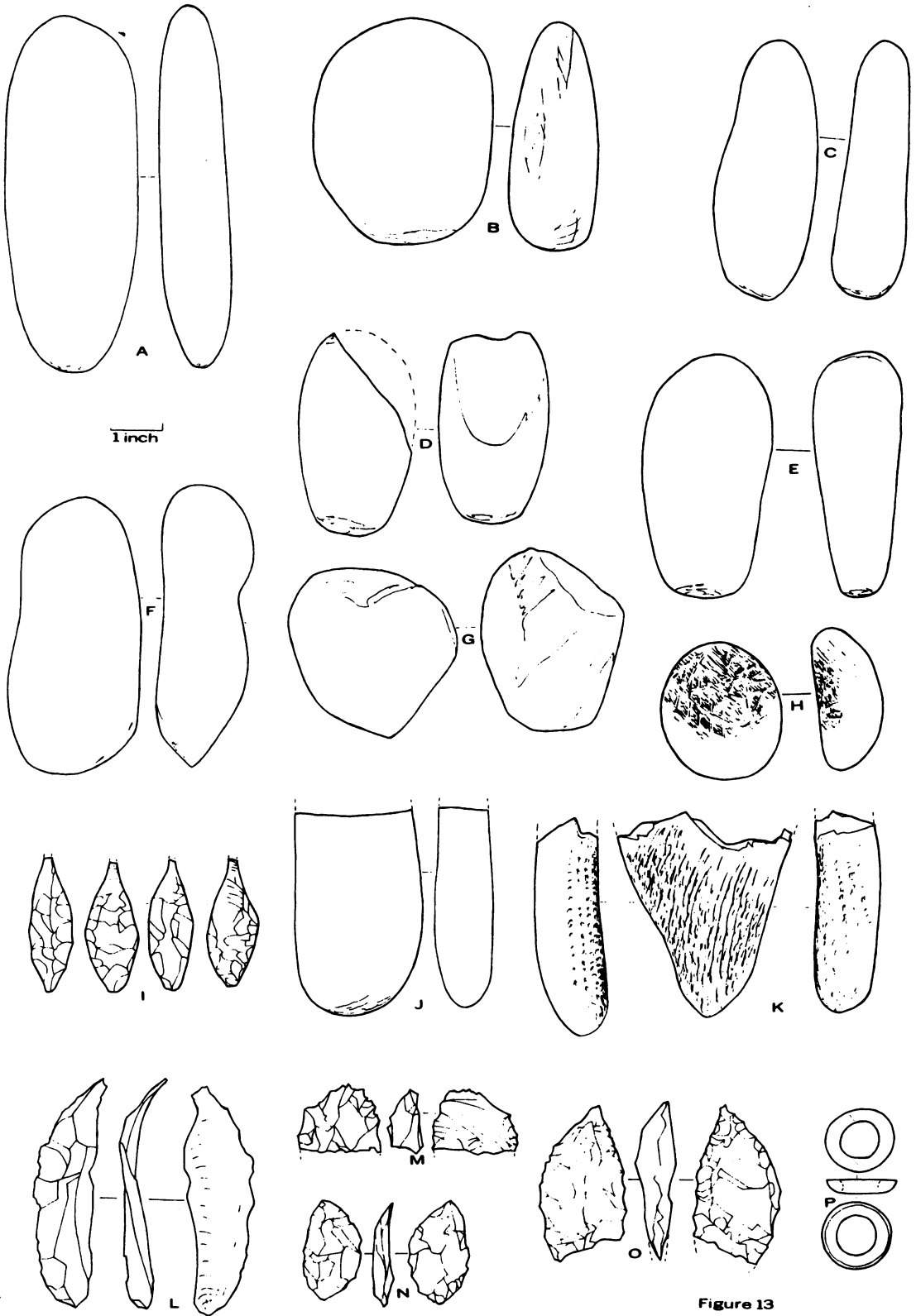


Figure 13

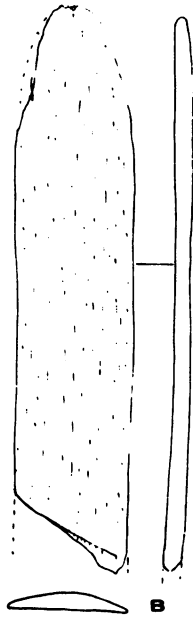
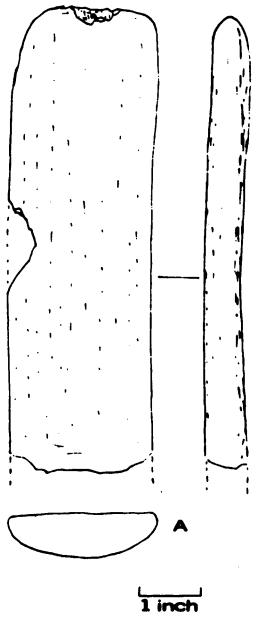


Figure 14

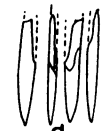
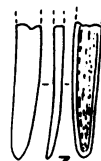
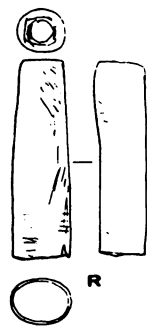
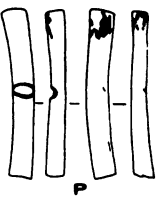
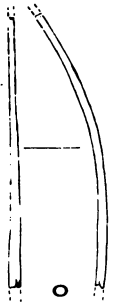
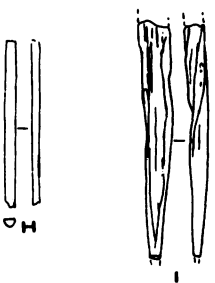
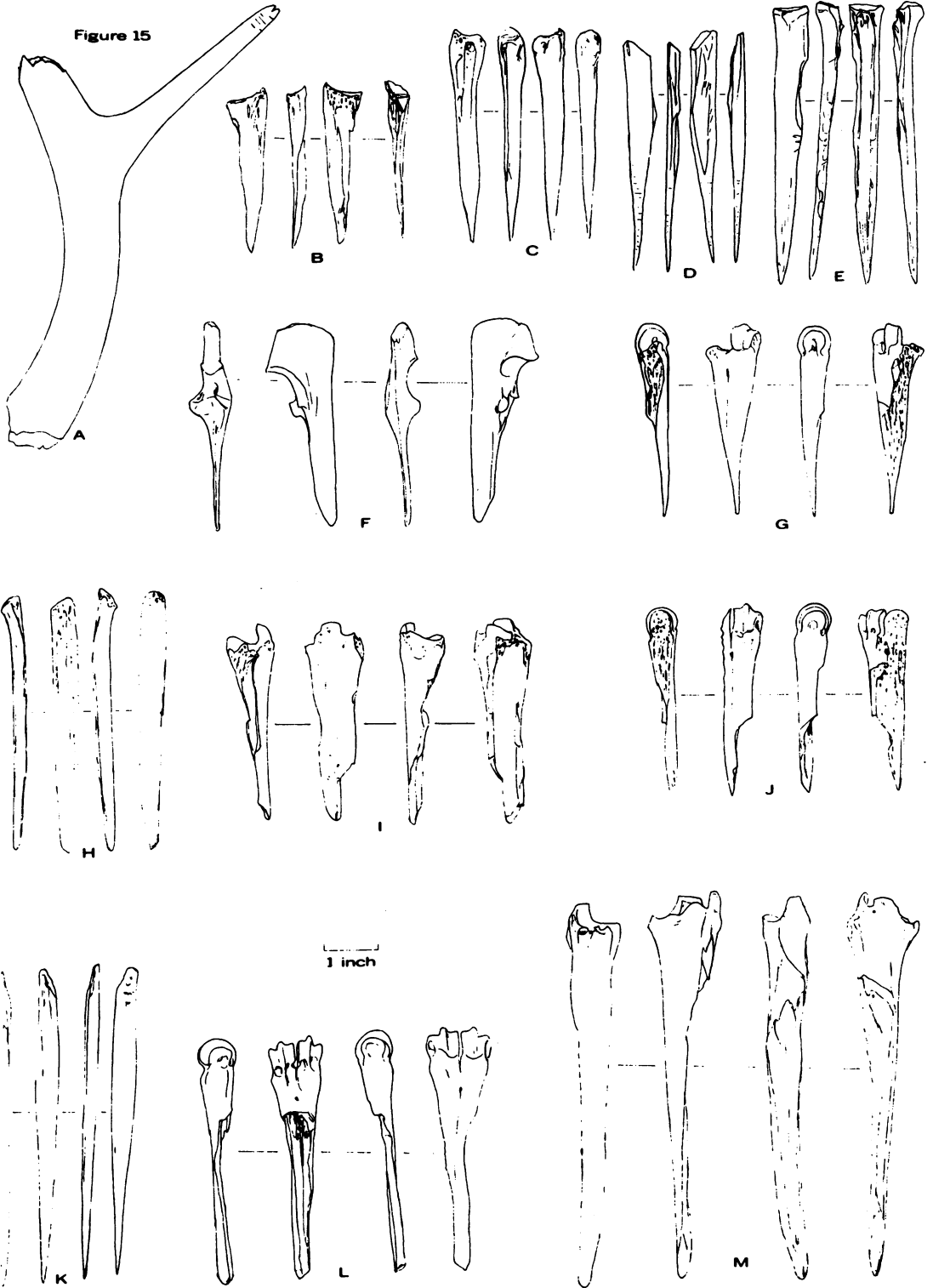
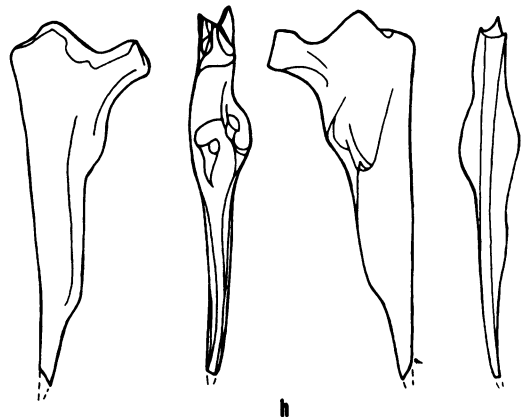
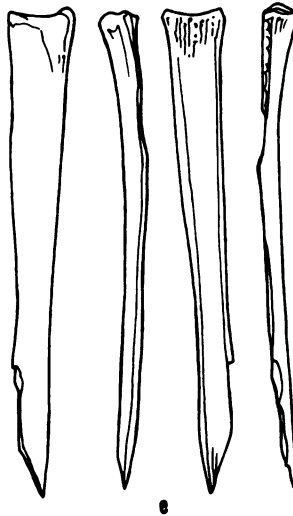
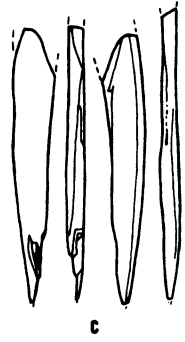
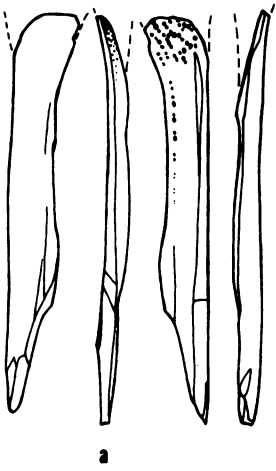


Figure 15

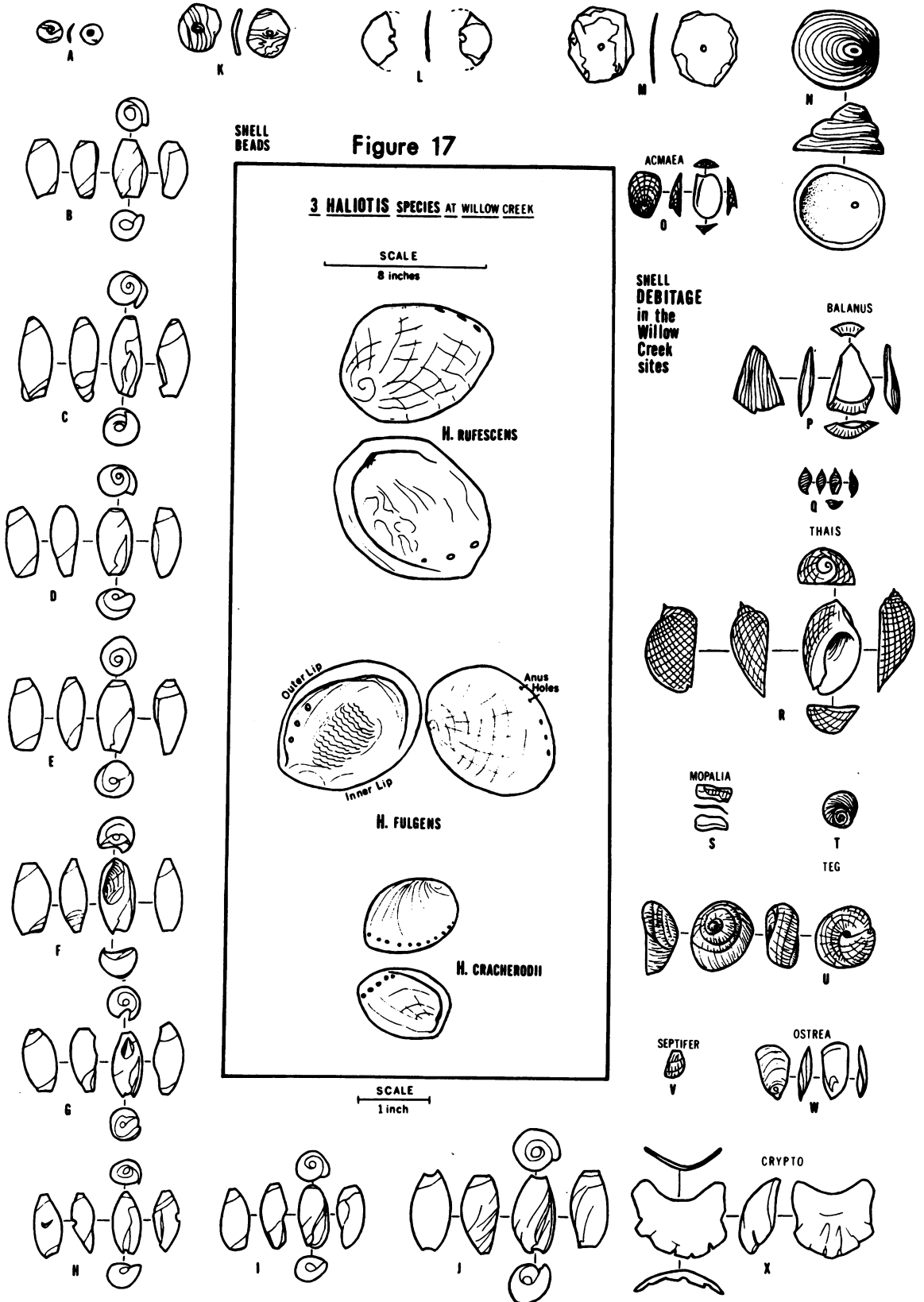




SCALE  
1 inch

FIGURE 16





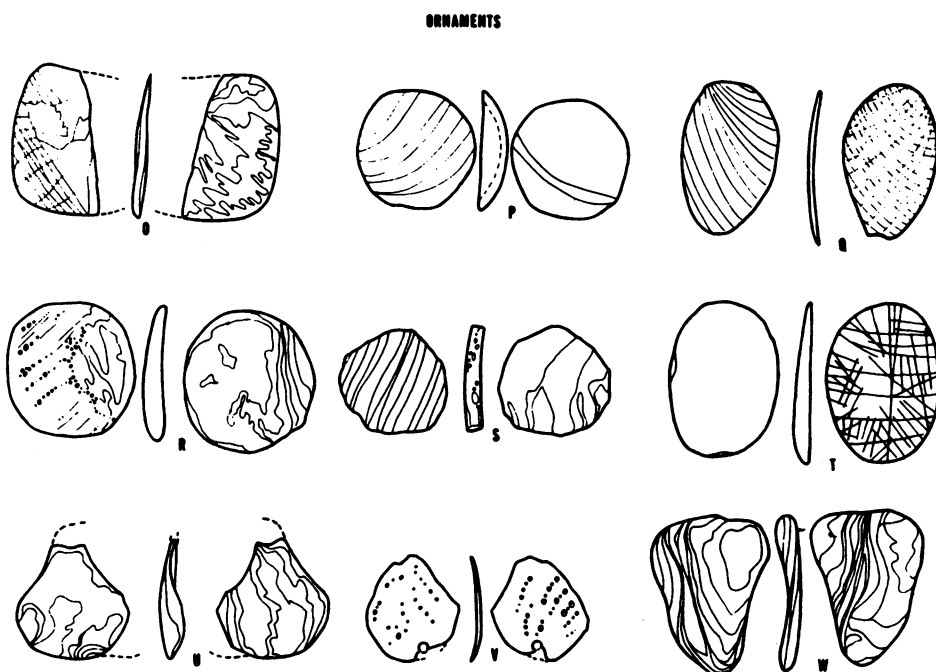
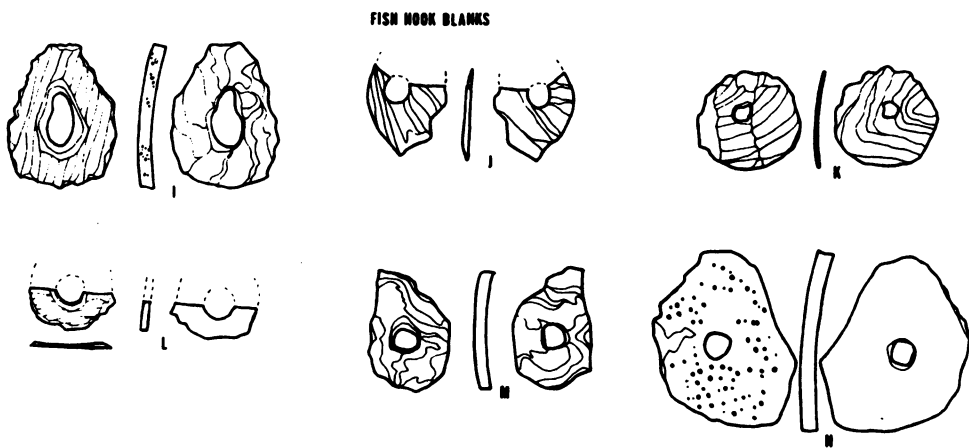
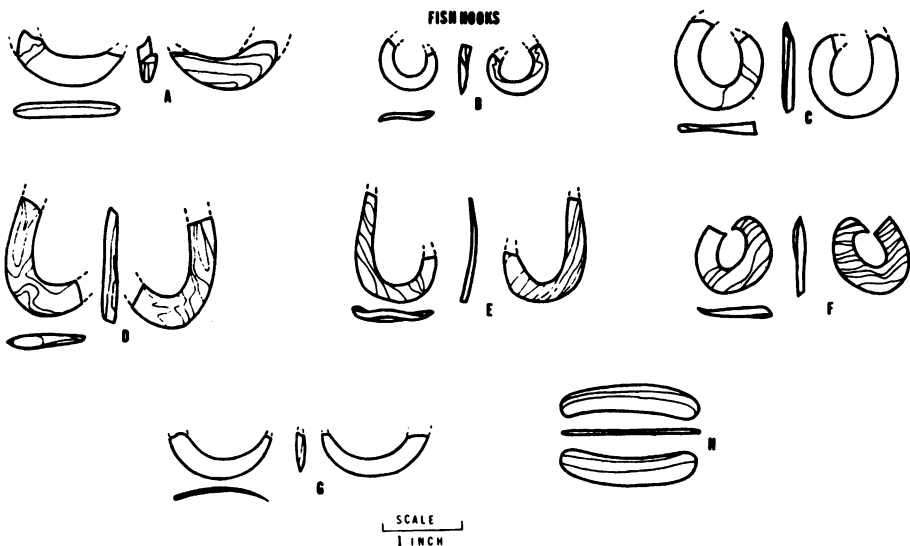


FIGURE 18