

POSTER SESSION**EXCAVATIONS AT CA-MNT-238, AT KIRK CREEK ON THE BIG SUR COAST**

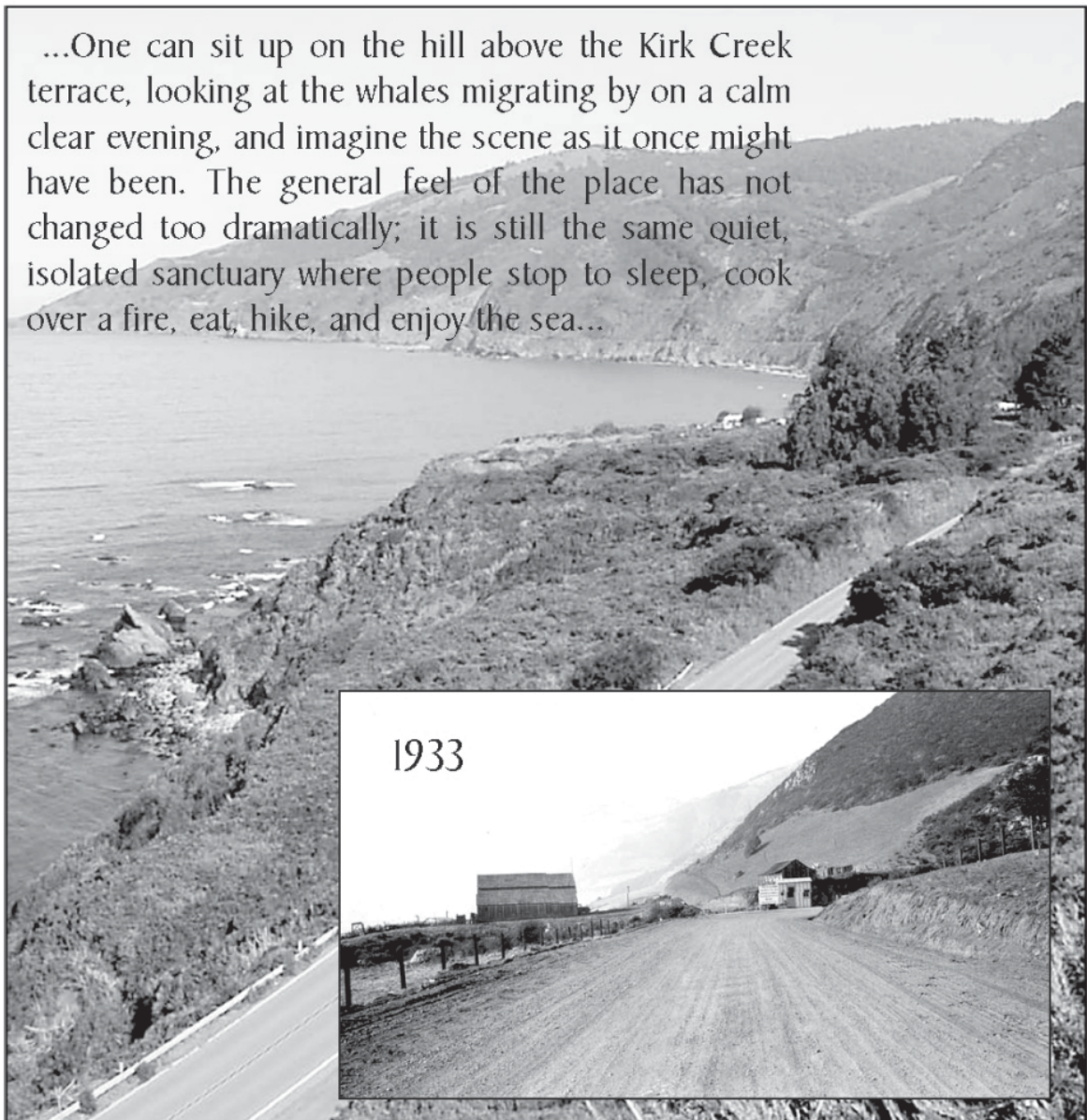
PATRICIA MIKKELSEN, WILLIAM HILDEBRANDT, DEBORAH JONES, JEFFREY ROSENTHAL, AND ROBERT GIBSON

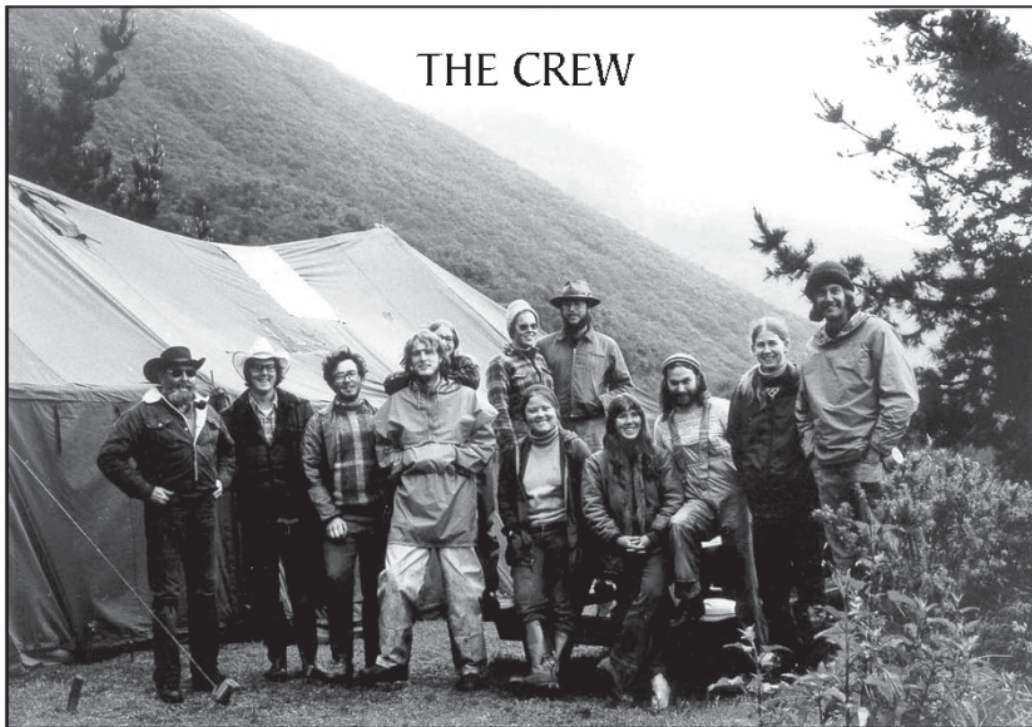
In early 1974, Bob Gibson directed the excavation of 60 cubic meters at the Kirk Creek site, CA-MNT-238, funded by the California Division of Highways. Thirty years later, Far Western finalized analysis, interpretation, and documentation of site data, with assistance from Valerie Levulett and Caltrans. The site represents the only intact, well-documented archaeological assemblage from the Middle Period on the Big Sur coast. Evidence of a short-term, Early Period hunting camp is also represented. Regional analyses include chronological data from coastal sites, obsidian hydration, Olivella shell, subsistence patterns, and a Late Period shift to the interior. Thirty-year-old pictures, component identification, and presentation of data from complex, multi-component sites are the focal points of this display.

EXCAVATIONS AT CA-MNT-238, AT KIRK CREEK ON THE BIG SUR COAST

30 YEARS AGO THE PLACE - Kirk Creek, Big Sur Coast

...One can sit up on the hill above the Kirk Creek terrace, looking at the whales migrating by on a calm clear evening, and imagine the scene as it once might have been. The general feel of the place has not changed too dramatically; it is still the same quiet, isolated sanctuary where people stop to sleep, cook over a fire, eat, hike, and enjoy the sea...





From Left to Right:

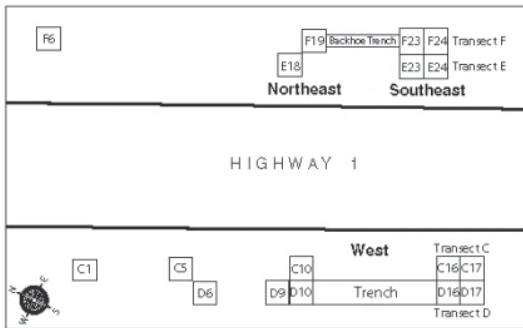
Bill Sawyer
 Bob Gibson
 Kevin Monroe
 Gregory Henton
 Katie Tanner (Mossberg; partially hidden)
 Leslie Steidl (Back)

Bruce Steidl (Back)
 Georgia Harden
 Suzanne Baker
 Joe Morris
 Daphne Hodgeson (Camp Cook)
 Allan Lönnberg

Not Shown:

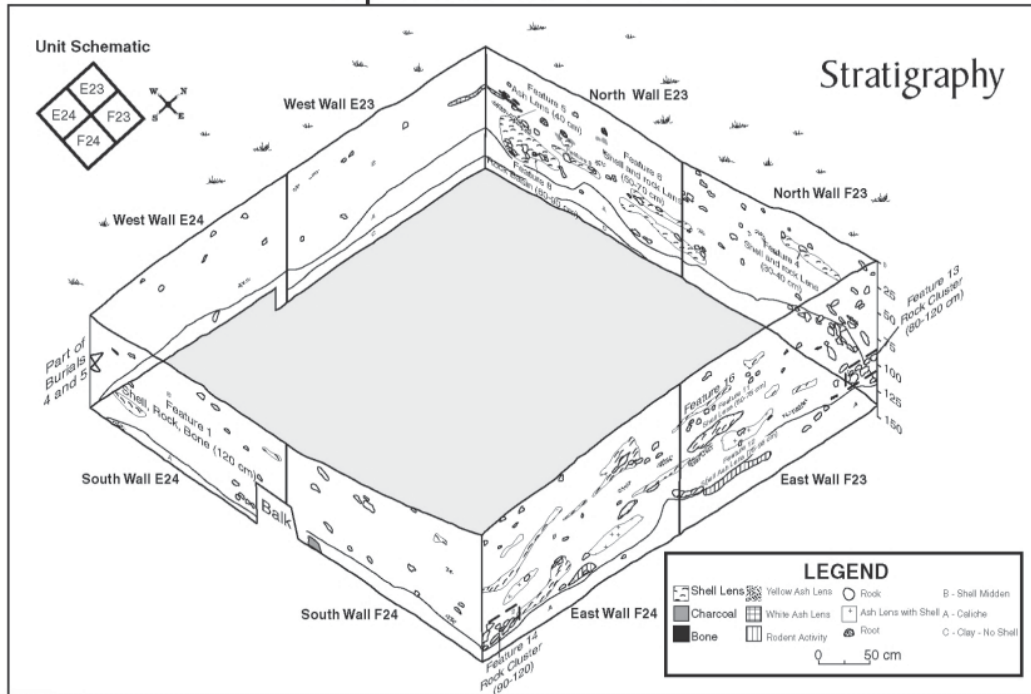
Dennis Gallegos

THE EXCAVATIONS - 1974

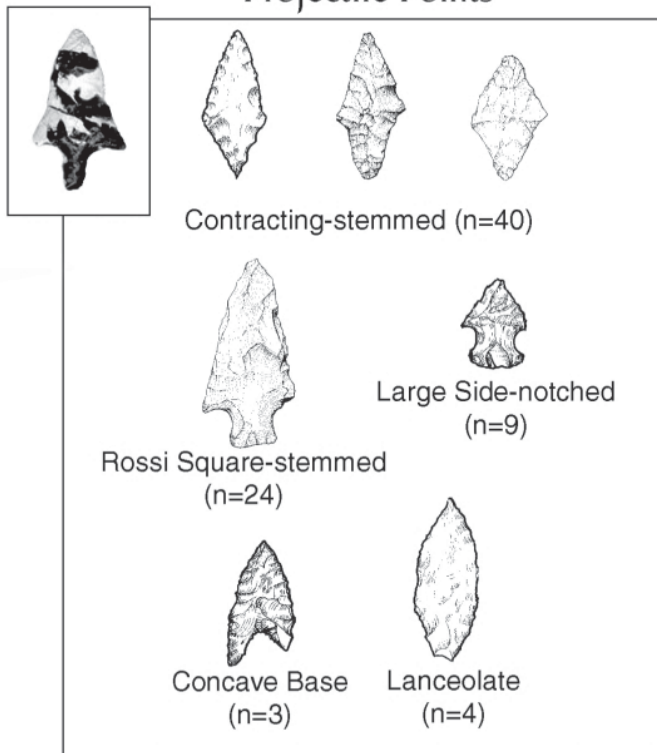


ANALYSIS AND WRITE-UP - 30 YEARS LATER

Component Identification

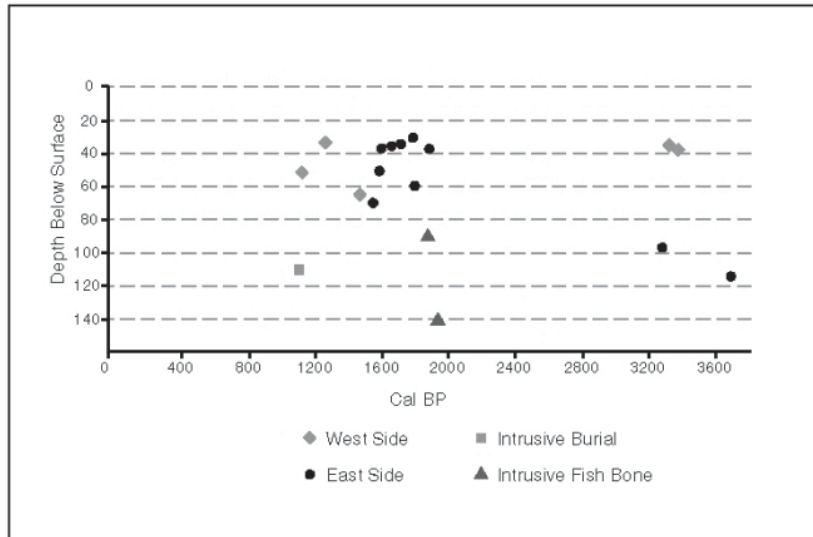


Projectile Points

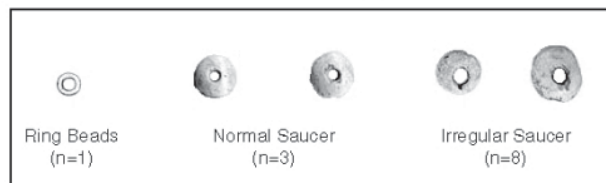


COMPONENT IDENTIFICATION

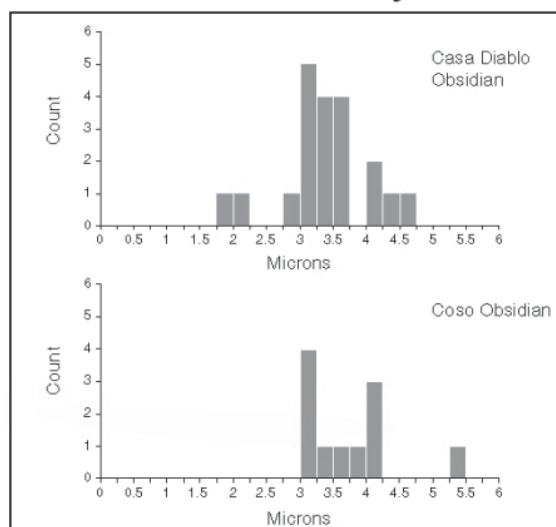
Radiocarbon Data



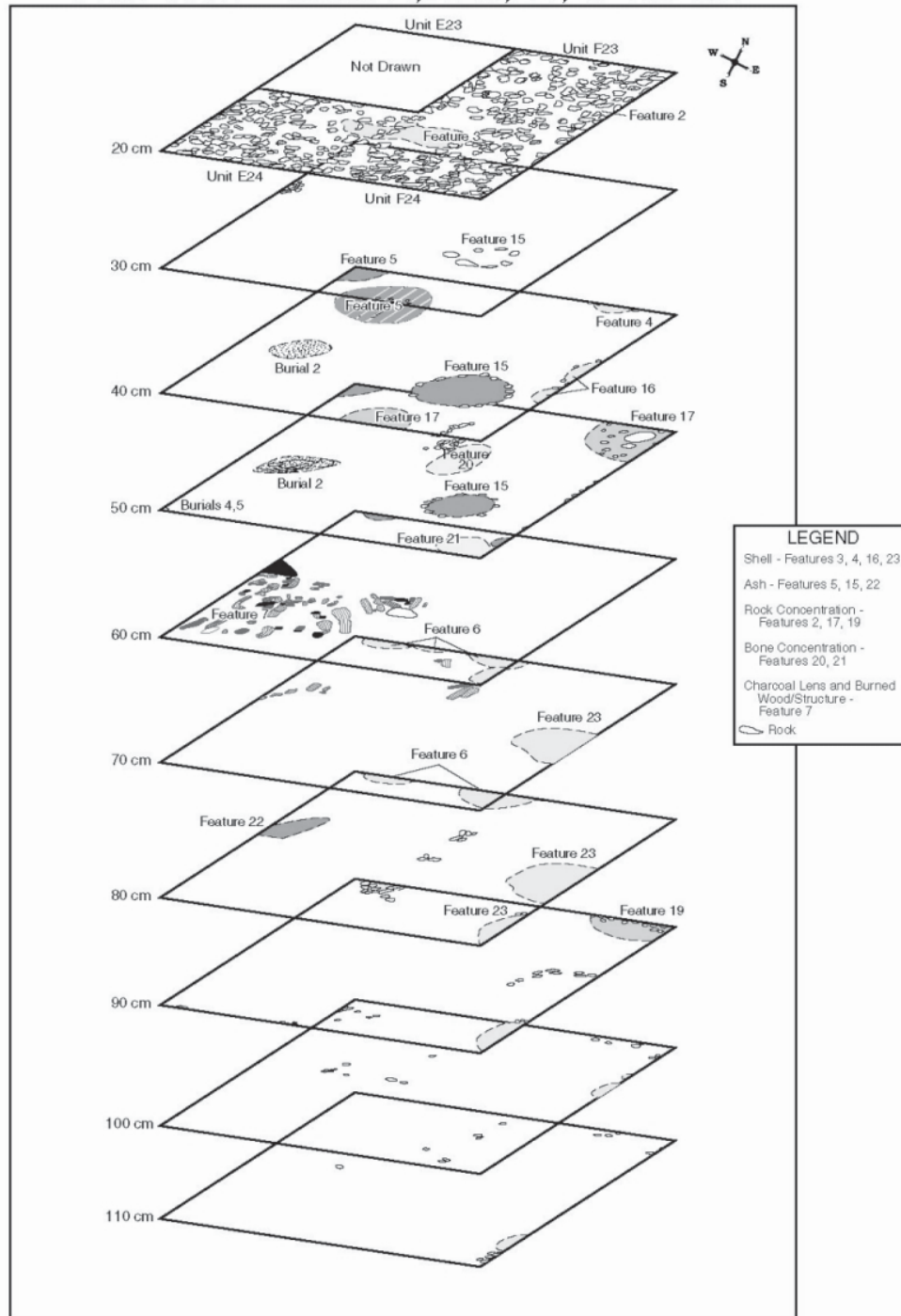
Olivella Beads



Frequency Distribution of Obsidian Hydration Measurements

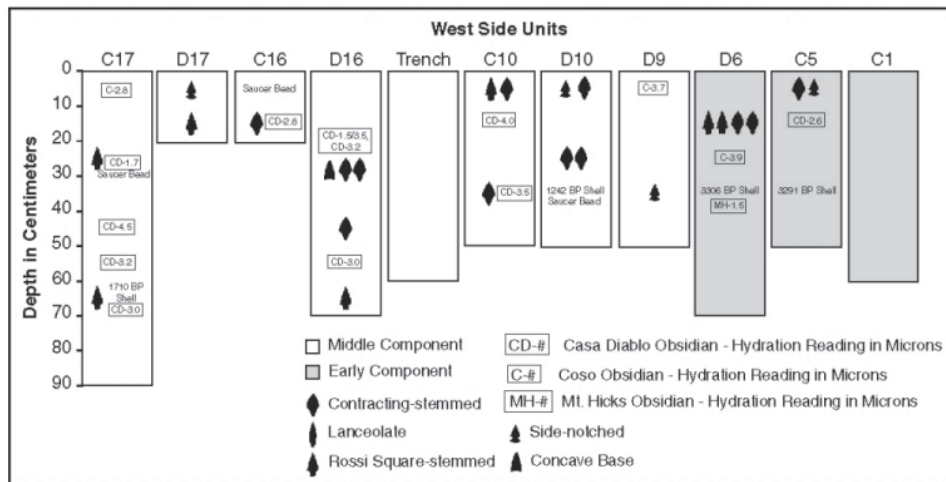
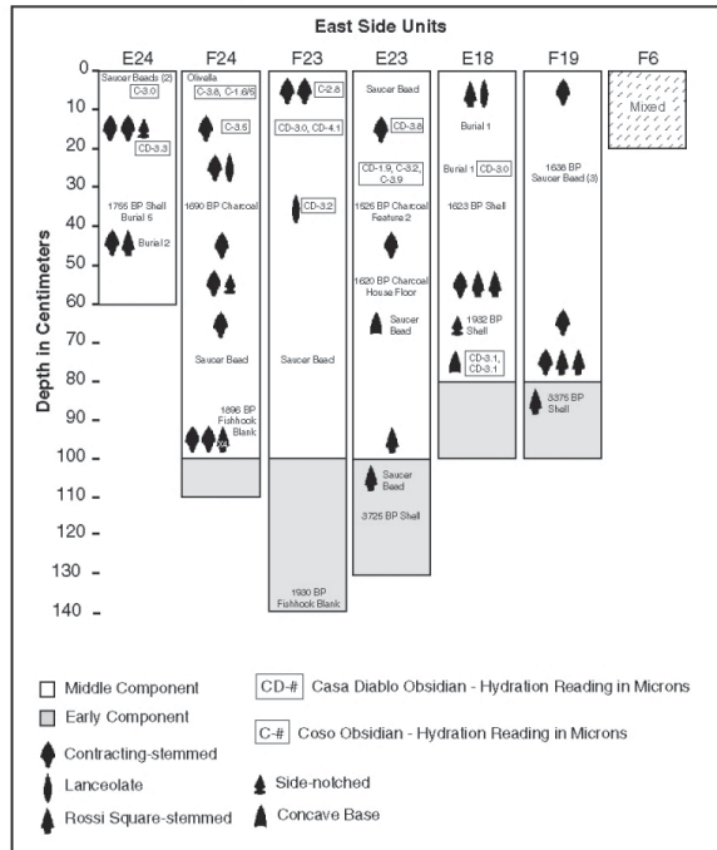


PRESENTATION OF DATA FROM COMPLEX, MULTI-COMPONENT SITES Plan View - Units E,F/23,24, 0-110 cm

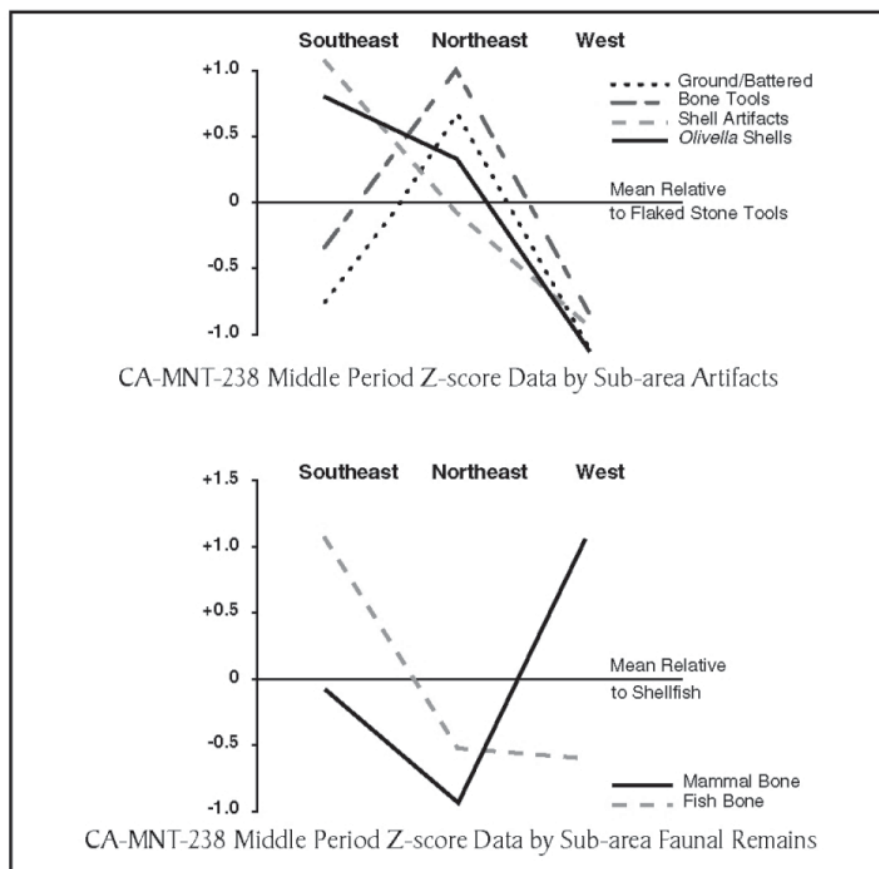


PRESENTATION OF DATA FROM COMPLEX, MULTI-COMPONENT SITES

Component Designations



PRESENTATION OF DATA FROM COMPLEX, MULTI-COMPONENT SITES



Z-score:

- To compare data that vary in absolute frequency
- Standardizes intra-site differences in the ratios of one artifact class against another - single graph, single comparable scale

Calculate:

- 1 - Mean ratio of one tool type to another in identified areas of the site (e.g., 1:0.30)
- 2 - Calculate the absolute difference between the two values and divide by the standard deviation to determine relative distance of area-specific ratio from the mean (the z-score)
- 3 - The higher the z-score, the greater the difference between the measured elements

Example - Northeast area

Flaked Stone - n=41
 Ground Stone - n=26
 Ratio - 1:0.37
 Z-score = +0.67