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APPENDIX A

CA-SMA-267
ARCHAEOLOGICAL SITE
SURVEY FORM

Re: SMA-267

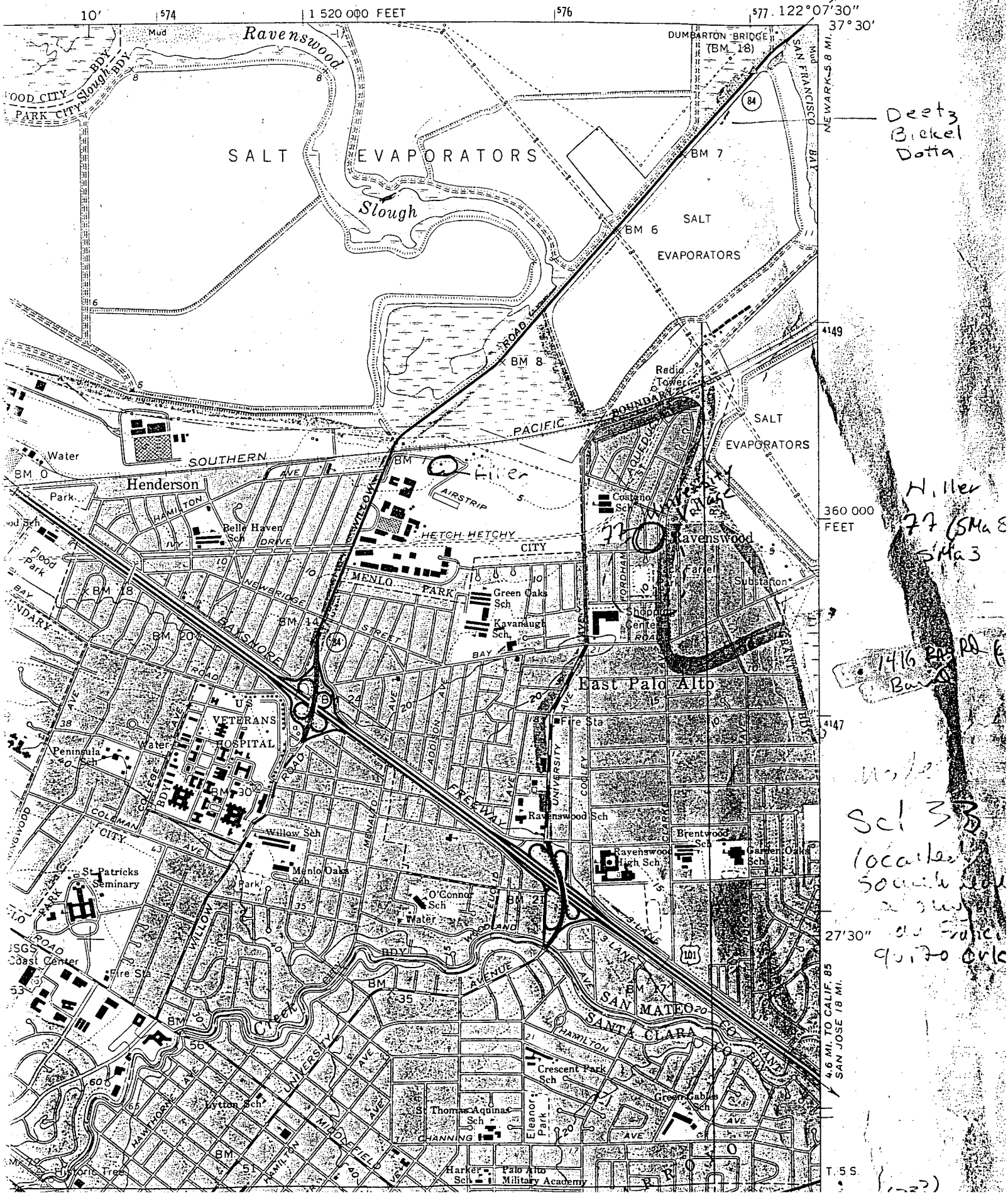
SJSU FILES (Copies)

UNIVERSITY OF CALIFORNIA — ARCHEOLOGICAL RESEARCH FACILITY

ARCHEOLOGICAL SITE SURVEY RECORD

1. Site: 1416 Bay Road
2. Map: Palo Alto Quad 7.5'
3. County: San Mateo
4. Twp.: 5S Range: 3W; UTM: 575,820E/4,147,270N 1/4 of: N/A 1/4 of Sec.: N/A
5. Location: Approx. 140' west of intersection of Bay Road & Glen Ave in front of 1416 Bay Road residence, East Palo Alto
6. Contour elevation: 22'
7. Previous designations for site: None
8. Owner: City of East Palo Alto
9. Address:
10. Previous owners, dates: Unknown
11. Present tenant: Mildred Simon, owner of 1416 Bay Road, East Palo Alto
12. Attitude toward excavation: Very favorable
13. Description of site: Single burial disturbed by trenching for sewer line; cerithidea, ostrea, & mytilus in midden
14. Area: 1 m x 75 cm
15. Depth: 120 cm
16. Height: N/A
17. Vegetation: Oak/grassland environment
18. Nearest water: San Francisquito Creek drainage approx. 4800' south
19. Soil of site: Silty clay, dark brown
20. Surrounding soil: Silty clay
21. Previous excavation: None
22. Cultivation: None
23. Erosion: None
24. Buildings, roads, etc.: Bay Road
25. Possibility of destruction: Already disturbed
26. House pits: None
27. Other features: None
28. Burials: One: only cranium, right scapula, ribs, & several vertebrae in situ
29. Artifacts: Red Franciscan chert or jasper flakes
30. Remarks: Burial covered with calcium carbonate (caliche); disturbed remains recovered from coroner and backdirt screening process.
31. Published references: None
32. UCLMA Accession No.:
33. Sketch map:
34. Date: 6-16-86
35. Recorded by: A. Leventhal, R. Cambra, G. Seitz
36. Photos: on map

PALO ALTO QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 PALO ALTO 15' QUADRANGLE



San Jose State University
Department of Anthropology

BURIAL EXCAVATION RECORD

Date 6-15-86 Site No. 1416 Bay Road Burial No. 1

Provenience Trench Depth 120 cm BS from datum (specify) _____

Recorded by A. Leventhal Exposed by A. Leventhal

Sex Male? Age 16-21 (see page 2 for details)

BURIAL TYPE:

Primary inhumation X
Redeposited inhumation ____
Primary cremation ____
Redeposited cremation ____
Other _____

POSITION OF SKELETON

Extended _____
Tightly flexed _____
Semi-flexed X
Sitting _____
Left side X
Right side _____

FACE: Up ____ Down ____ Side X
North ____ South ____ East ____ West X

ORIENTATION Head pointed south

PRESERVATION OF BONE

Poor ____ Fair X Good ____

Bone surfaces Covered with caliche

Bone content _____

ON SITE OSTEOLOGICAL INVENTORY (abbreviated) C=Complete; P=partial; X=absent

Cranium X
Mandible ____
Hyoid ____
Scapulae L ____ R X
Clavicles L ____ R ____
Sternum ____
Innominates L ____ R ____
Sacrum ____
Ribs #comp. ____ #part. X

Hand L _____

Hand R _____

Hand(indet.) _____

Femora L ____ R ____
Tibiae L ____ R ____
Fibulae L ____ R ____
Patellae L ____ R X
Humeri L ____ R ____
Ulnae L ____ R ____
Radii L ____ R ____

Foot L _____

Foot R _____

Foot (indet.) _____

Vertebrae (complete) ____
Centra ____
Neural arches ____
Vertebrae frags. X

INDETERMINATE FRAGS. X

REMARKS Most of the skeletal elements disturbed by backhoe. These were collected and sent to the coroner's office for later collection by the Indians.

SIZE OF GRAVE Length 1 m Width 75 cm Depth of pit 120 cm BS

ASSOCIATIONS: OTHER BURIALS, FEATURES None

ASSOCIATIONS: ARTIFACTS (Itemize) One Franciscan chert utilized flake

Citeria for Sex Determination Robusticity of remains?

Criteria for Age Determination Third molars not yet erupted.

OSTEOMETRICS Cranium: Length____ Breadth____ Up.Fac Ht.____ Other ____

Long Bone Lengths (specify) ____

Photographs taken By A. Leventhal Roll# 1 Exposure(s)# 1-36

DISPOSITION OF BURIAL ___ Disinterred(date) 6-15-86 Packed by A. Leventhal & R. Cambra

Shipped to SJSU On(date) 6-15-86 Descibe shipping box Archival

____ Left in situ and reinterred(date)____

____ Elements Disinterred on site and reburied(date)____

1.5m

SJSU Department of Anthropology

OK BY:

CREW: Cambra, Olsen, Cruz, Sanchez

SITE: 1416 - Bay Rd

RECORDER: Leuenthal

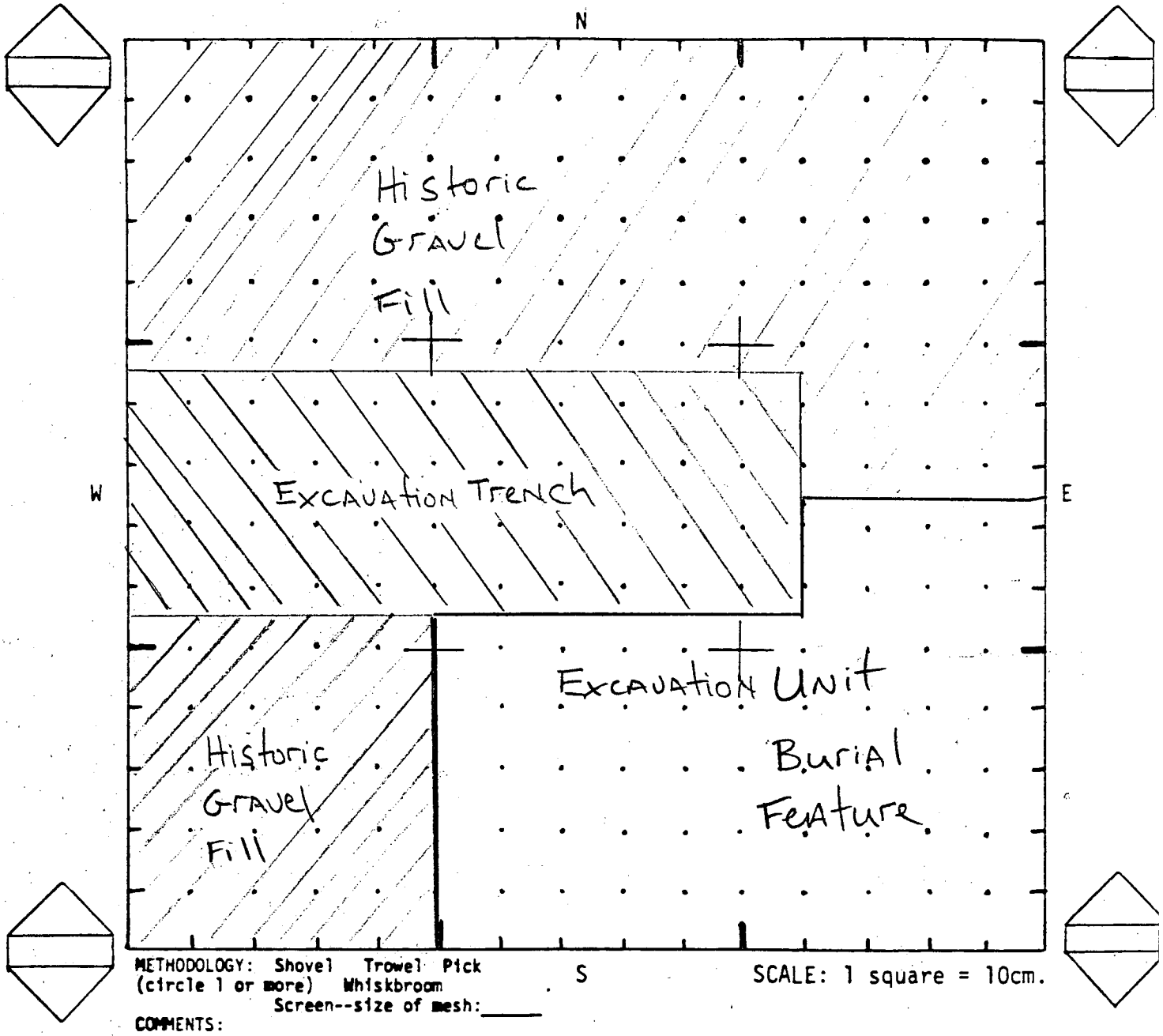
UNIT: 1

DATE: 6-14-86

LEVEL:

UNIT DATUM: SE Corner

REFERENCE NUMBER:



METHODOLOGY: Shovel Trowel Pick
(circle 1 or more) Whiskbroom
Screen--size of mesh:

SCALE: 1 square = 10cm.

COMMENTS:

PHOTOS: Color Black & White

NUMBER OF ARTIFACTS

Pieces of chert
Franciscan
Monterey
Pieces of obsidian
Pieces of bone
Quantity of shell
Other

BEDROCK GREATER THAN 10cm.
BEACH COBBLES:

5 - 10 cm.

11- 20 cm.

Greater than 21 cm.

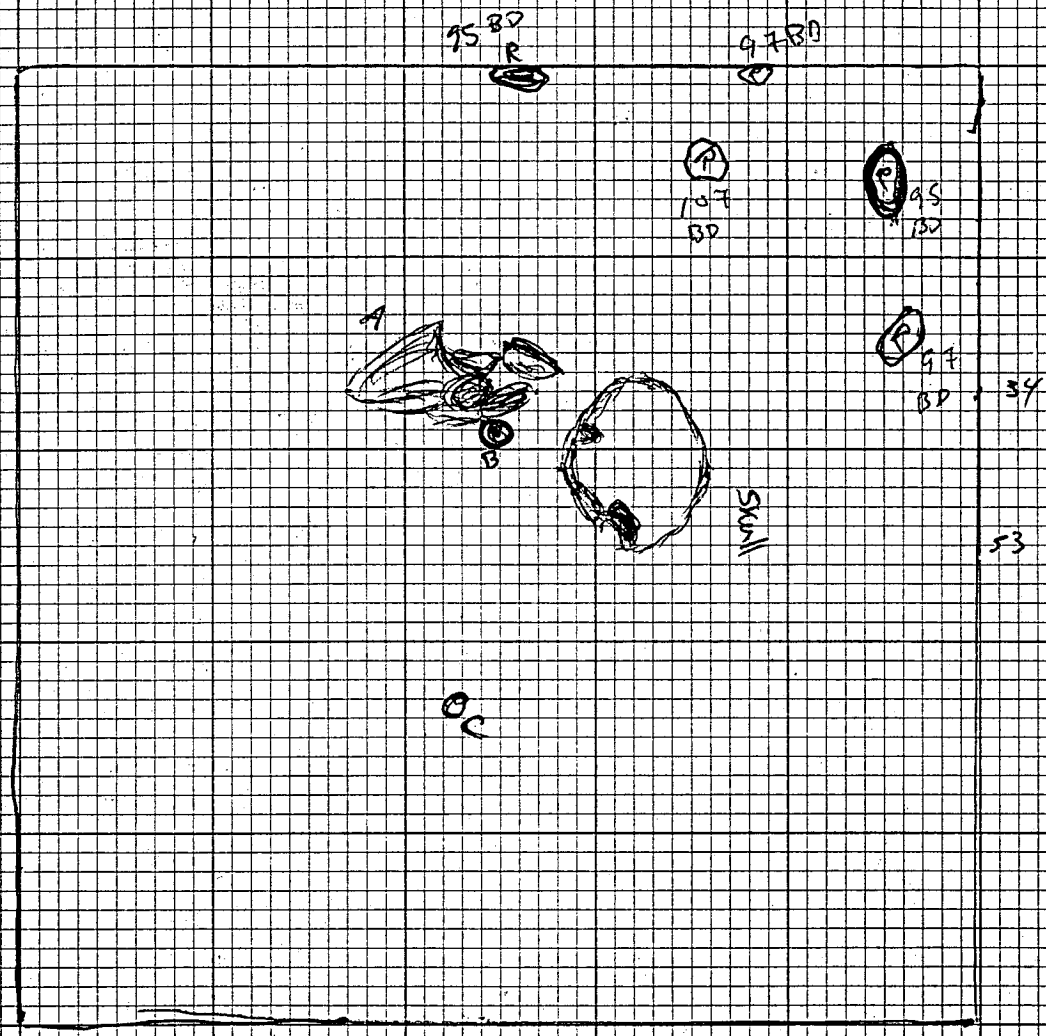
CODE

ARTIFACTS: (1) (2) etc.
KROTOVINA: (K)
ROOT: ●
FEATURES: (F1) (F2) etc.
BEDROCK:
BEACH COBBLES: (C)
SHELL: ✓✓✓✓
Haliotis: (H1) (H2) etc.

*****PLEASE PRINT OR WRITE LEGIBLY!!!*****

N↑ OFCS - BAY RD - 1416 6-15/86

Feature 1 / Burial 1



1" - 20 cm

Skull Laying on left side 96 - 112 BD

(A) SCAPULA - RT? 99 - 113 B.D

(B) Humerus Head -

(C) Petella - 109 B.D

10 X 10 TO THE INCH Z-2280

EPASD

EAST PALO ALTO SANITARY DISTRICT

DENNIS SCHERZER PRESIDENT
JAMES C. CONDE SECRETARY
DOUGLAS J. SMITH DIRECTOR
ROOSEVELT COX JR. DIRECTOR
CHARLOTTE A. BECKS DIRECTOR

P.O. BOX 51686
EAST PALO ALTO, CA 94303
(415) 325-9021

VULINDLELA I. WOBOGO MANAGER

TENTATIVE AGENDA

EAST PALO ALTO SANITARY DISTRICT
BOARD OF DIRECTORS

JUNE 19, 1986

The Adjourned Meeting of the East Palo Alto Sanitary District Board of Directors will be held on **June 19, 1986** at **7:30 p.m.** in the **Council Chambers** at the Municipal Building, located at 2415 University Ave., East Palo Alto, California, 3rd floor, Room 3A.

1. Call to Order
2. Roll Call
3. Amendments to Agenda
4. Action Items
   a. Repair of irregular lateral configuration on Bay Road
   b. Payment for excavation of Ohlone burial site to Ohlone Family Consulting Service
5. Manager's Report
   a. Response to Management Comments in FY 1984-85 Audit from Jean Pierre & Co.
   b. Budget and Staffing Recommendations
6. Written Communications
7. Oral Communications
8. Adjournment

APPENDIX B

CA-SMA-267
SKELETAL INVENTORY

OHLONE FAMILIES CONSULTING SERVICES
APPENDIX A HUMAN SKELETAL INVENTORY

Site CA-SMA-267 Burial No. 1 Date 3-1-11 Recorder DiGiuseppe

Metrics rt. humeral head vertical = 46.1 mm; lf. humerus bicondylar width = 59.1 mm; rt. glenoid fossa height = 38.0 mm

Sex (criteria used) Male = see sex determination sheet

Age (criteria used) 18-22 years = see age determination sheet

Condition of Skeleton all elements are in fragmented condition with reconstruction done for most long bones. Caliche covers most of the skeleton so condition of skeleton is fair, volume indeterminate due to caliche

Cranium C(15) = cranium reconstructed (5) incudes: frontal C(1); both temporal C(1) each, both parietals and occipital C(1), maxilla C(1) including lf. orbit and zygomatic (arch missing from both sides); rt orbit F(1) lf condyle; sphenoid F(2); zygo arch F(1); indeter F(5) Cribra Orbitalia: (L) X (R) X

Mandible C(2)

Teeth Permanent-Loose 1 In-situ 24

Deciduous-Loose In-situ

Hyoid X Sternum I(3) = body only

Vertebrae:

Cervical C(4), I(1) = C2-C(2); 2 of either C2-7-C(1); C1-I(2); 1 of either C2-C7-C(3)

Thoracic C(12) = T1-C(1); T2-C(1); T3-C(2); T4--C(2), T5-C(2), T6-C(2), T7-C(3), T8-C(1), T9-C(1) T10-C(1), T11-C(1), F(5) spinous processes; F(1) indeterminate

Lumbar C(1) of either L3, L4; I(1) body; F(2) bodies; F(1) superior apophyseal facet

Sacrum X

Indeterminate F(9)

Os Coxae:		LEFT	RIGHT	INDT
Mature		X	F(2) - ilium	X
Immature:	Pubis	X	X	X
	Ilium	X	X	X
	Ischium	X	X	X

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

Ribs: No. Complete (L) 6 inc. 1st rib (R) 6 inc. 1st rib No. Incomplete F(102 + 8 vert ends + 3 stern ends)

	LEFT	RIGHT	INDT		LEFT	RIGHT	INDT
Clavicle	C(2)	F(2)	X	Scapula	C(8)	I(2)	F(12)
Humerus	C(4)	C(3)R	X	Femur	C(5)R	C(4)R	X
Radius	C(3)	C(3)	X	Patella	C(1)	C(1)	X
Ulna	C(2)	C(3)	X	Tibia	C(6)R	C(3)R	X
				Fibula	I(2)	C(4)R	X

Carpals:				Tarsals:			
Navicular	X	C(1)	X	Calcaneus	X	X	X
Lunate	X	C(1)	X	Talus	X	C(1)	X
Triquetral	X	X	X	Cuboid	X	X	X
Pisiform	X	X	X	Navicular	X	C(1)	X
Grt. Mult.	C(1)	X	X	1st Cuneiform	X	X	X
Lsr. Mult.	X	I(1)	X	2nd Cuneiform	X	X	X
Capitate	X	C(1)	X	3rd Cuneiform	X	X	X
Hamate	X	X	X				

Metacarpals:				Metatarsals:			
MC 1	F(1)	I(1)	X	MT 1	X	X	X
MC 2	C(1)	I(1)	X	MT 2	X	X	X
MC 3	X	I(1)	X	MT 3	X	C(2)	X
MC 4	X	X	X	MT 4	X	F(1)	X
MC 5	X	X	X	MT 5	X	X	X

Phalanges: Hand C(4): 3 prox, 1 mid; F(3) Foot C(5): 3 prox, 1 mid, 1 distal

Indeterminate F(2) = distal MT; I(2) of long bones, diaphysis only; F(1) of MC diaphysis; F(3) phalanx prox, MC/MT distal head, hand or foot diaphysis; one bag of indeterminate fragments = 262.1 grams

Additional Notes extra individual present – represented by F(3) of the ulna

KEY:

C (1) = complete (2/3 of element with articulating surfaces)
I (1) = incomplete (less than 2/3 of element but more than 1/3 with articulating surface)
F (1) = fragmentary (less than 1/3 of element or shafts only)
X = absent
Ribs = complete indicates that the vertebral end is present as well as completely present.
If element is complete but in pieces, indicate thus: C (3) for number of pieces
If epiphyses present on subadult's long bone indicate thus: Femur C (1) p d

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

SEXING DETERMINATION*

Pelvis:		**Male**	**Female**	**Indet.**
Sub-pubic Angle	V or U shaped	X	X	X
Shape of Pubis	triangular or squarish	X	X	X
Ventral Arc	absent or present	X	X	X
Doral Pits	absent or present	X	X	X
Acetabulum	large or small	X	X	X
Greater Sciatic Notch	narrow or wide (Score 1-5)	X	X	X
Prearicular Sulcus	absent or present	X	X	X
Skull:				
Nuchal Crest	robust, muscle markings (Score 1-5)	4	X	X
Mastoid Process	size (large or small) (Score 1-5)	4	X	X
Supraorbital Margin	rounded or sharp margin (Score 1-5)	X	X	3
Supraorbital Ridge	glabella none or prominent (Score 1-5)	X	X	X
Mental Eminence	none to massive projection (Score 1-5)	X	X	X
Ascending Ramus	short/slanted or long/vertical (Score 1-5)	4	X	X
Other: (see Bass 1994)				
Glenoid Fossa (rt)	<34 (F) > 37 (M)	38.0	X	X
Vert. dia. of Humeral Head (rt)	<43 (F) > 47 (M)	46.9	X	X
Max. width of Humeral Epicondyle (lf)	<56.8 (F) > 63.9 (M)	X	X	X**
Max. dia. of Femoral Head	<43.5 (F) > 46.5 (M)	X	X	X

Comments individual's cranium is covered in caliche making determination of sex difficult at best; only a few criteria suggests possible male

**the max. width of the humeral epicondyle on the left side measures 59.1 mm, with a portion of the lateral side missing. If we use the distance from the edge of the capitulum to the end of the lateral epicondyle from the right humerus of 7.16 mm and add it to the 59.1 mm from the left side, the total width = 66.26 mm indicating this is a male individual. Though again, both elements are covered in thick caliche.

***See 1994 Standards by Buikstra and Ubelaker for Scoring Criteria, see pages 16-32**

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

AGEING DETERMINATION*

	Yes	No	Phase	Age-Range
Dental (all erupted)	X	X	X	X*
Long bone fusion	Yes	X	X	>18
Pubic symphysis	X	X	X	X
Auricular Surface	X	X	X	X
Osteoarthritis	X	No	X	X
Rib – sternal end	X	X	X	X

Comments

*Third molars are absent and not present in the crypt – x-rays taken support this diagnosis. Cannot be used for aging

Vertebral rib ends only partially fused – 17 – 22 years of age (Scheuer and Black, 2000)

Complete long bone fusion - >18 years (Scheuer and Black, 2000)

Overall estimate – 18-22 years of age

***See 1994 Standards by Buikstra and Ubelaker for Scoring Criteria, see pages 16-32**

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

DENTAL PATHOLOGIES

TOOTH WEAR

Upper:	wear	other pathologies	Lower:	wear	other pathologies
RM^3	X	Congenital Absence	RM_3	X	Congenital Absence
RM^2	3	CAL (s)	RM_2	3	
RM^1	6	CAL (s)	RM_1	X	
RP^2	3	CAL (m)	RP_2	3	
RP^1	2		RP_1	X	
$RC^{\bullet}$	2		$RC_{\bullet}$	2	
RI^2	2		RI_2	2	
RI^1	4		RI_1	X	W
LI^1	4		LI_1	3	W
LI^2	2		LI_2	2	
$LC^{\bullet}$	2		$LC_{\bullet}$	2	
LP^1	2		LP_1	2	
LP^2	3		LP_2	3	
LM^1	6	CAL (s)	LM_1	5	
LM^2	4	CAL (s)	LM_2	5	
LM^3	X	Congenital Absence	LM_3	X	Congenital Absence

Periodontal Disease: area obscured by caliche, none evident

NOTE: no apparent hypoplasia, no abscesses, slight palatine torous (1)

KEY:

X = absent
XU = absent/unerupter
A/U = ante-mortem tooth loss
F = fragmentary (non-diagnostic)
C = caries
A = abscesses
PSI = peg shaped incisors

CAL = calculi
SS = shovel shaped (single or double)
HY = hypoplasis
DM = dental modification
CAR = carabelli's cusp
W = winging
SSS = single shovel-shaped
DSS = double shovel-shaped

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

DENTAL/PERIODONTAL PATHOLOGIES – ADDITIONAL NOTES

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

PATHOLOGIES

Element Involved	Description of Lesion	Differential Diagnosis
T10, T11	bodies of these two thoracic have unusual shape with a diagonal slope to the left side as opposed to being rounded, is less pronounced on T9	unknown, probably only variation in skeleton, though the upper thoracic do not have this slant
T8	ridge development with slight spicules along neural arch, also beginning to show on the T7, T9, T10, T11	possible beginning of laminal spurs – stress/activity indicator
occipital	slightly robust/promenient "highest nuchal line" where the galea aponeurotica is attached	robust muscle marker

Notes

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

PATHOLOGIES – ADDITIONAL NOTES:

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

INFECTIOUS DISEASE

Element Involved	Description of Lesion	Differential Diagnosis

Notes

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

INFECTIOUS DISEASE – ADDITIONAL NOTES

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

DEGENERATIVE JOINT DISEASE – UPPER PERIPHERAL SKELETON

	Left	Notes	Right	Notes
TEMPORO-MANDIBULAR JOINT				
Glenoid Fossa	X	obscured/present	X	obscured/present
Mand. Condyle	X	p/m damage	0	
Total Joint Score	**X**		**0**	

Notes:

SHOULDER				
Scapula (Glenoid)	0		0	
Proximal Humerus	0		0	
Total Joint Score	**0**		**0**	

Notes: covered in caliche

ELBOW				
Distal Humerus	0		0	
Proximal Ulna	0		X	
Proximal Radius	0		0	
Total Joint Score	**0**		**0**	

Notes:

WRIST				
Distal Ulna	0		X	
Distal Radius	0		X	
Carpals	X	p/m damage	0	caliche
Total Joint Score	**0**		**0**	

Notes: all epiphyses covered in caliche

HAND				
Proximal Metacarpals	X		0	
Distal Metacarpals	X		X	
Phalanges	0		0	
Total Joint Score	**0**		**0**	

Notes: covered in caliche or damaged p/m, thus all determinations of degenerative disease is speculative

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

DEGENERATIVE JOINT DISEASE – LOWER PERIPHERAL SKELETON

HIP	**Left**	**Notes**	**Right**	**Notes**
Acetabulum	X		X	
Proximal Femur	X		X	
Total Joint Score	X		X	

Notes:

KNEE				
Distal Femur	0		0	
Proximal Tibia	0		0	
Proximal Fibula	X		X	
Total Joint Score	**0**		**0**	

Notes:

ANKLE				
Distal Tibia	X		0	
Distal Fibula	X		0	
Tarsals	X		0	
Total Joint Score	**X**		**0**	

Notes:

FOOT				
Proximal Metatarpals	X		0	
Distal Metatarpals	X		0	
Phalanges	X		0	
Total Joint Score	**X**		**0**	

Notes: covered in caliche or damaged p/m, thus all determinations of degenerative disease is speculative

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

DEGENERATIVE SPINAL DISEASE

	BODY			INTERVERTEBRAL JOINTS				
	SUPERIOR	INFERIOR	NOTES	SUPERIOR		INFERIOR		NOTES
				L	R	L	R	
C1 dens facet		X		0	0	0	0	
C2 dens	X	0		0	0	X*	X*	caliche covered
C3	X	X		X	X	X	X	
C4	X	X		X	X	X	X	
C5	X	X		X	X	X	X	
C indet.	0	0		X	0	X	0	
C7	0	0		X*	X*	0	0	caliche covered
C indet.	0	0		0	0	0	0	
T1	0	0		0	0	0	0	fused to scapula
T2	0	0		0	0	0	0	
T3	0	0		0	0	0	0	
T4	0	0		0	X	1	1	
T5	0	0		0	X	1*	0	*in center
T6	X	0		0	X	0	X	
T7	0	0		0	0	0	X	
T8	0	0		0	0	X	2	
T9	0	0		0	X	0	0	
T10	0	0		0	0	X	0	
T11	0	0		X	0	0	X	
T12	0	0		X	0	0	X	
T indet.								
L1	X	X		X	X	X	X	
L2	X	X		X	X	X	X	
L3	X	X		X	X	X	X	
L4	X	X		X	X	X	X	
Lindet.	0	0		X	X	X	X	
L indet.	**0**	**0**		**0**	**0**	**X**	X	

Sacrum: X

Notes: All of the vertebrae are covered in caliche. The scores are speculative for all due to the level of caliche covering the elements

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

CRANIAL MEASUREMENT RECORDING FORM: ADULT REMAINS

CRANIAL MEASUREMENTS, mm:

Maximum cranial length	210*
Maximum cranial breadth	129
Bizygomatic diameter	~123
Crania base length	X
Basion-prosthion length	X
Basion-bregma height	X
Biauricular breadth	~106.4
Maxillo-alveolar breadth	68.5
Maxillo-alveolar length	59.5
Upper facial height	X
Minimum frontal breadth	96.0
Upper facial breadth	X
Nasal breadth	~21.8
Biorbital breadth	X
Interorbital breadth	X
Orbital breadth	X
Orbital height	X
Frontal chord	117
Paietal chord	~118
Foramen magnum max length	~109
Foramen magnum max brdth	X
Mastoid Length	33.1
Chin height	X
Height of the mandibular body	37.7
Breadth of the mandibular body	X
Bigonial width	X
Bicondylar breadth	X
Minimum ramus breadth	38.1
Maximum ramus breadth	48.7
Maximum ramus height	74.8
Mandibular length	X
Mandibular angle	112°

*estimated due to reconstruction of cranium

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267
Burial: 1

CRANIAL AND POSTCRANIAL MEASUREMENT RECORDING FORM: ADULT REMAINS

POSTCRANIAL MEASUREMENTS, mm:

Clavicle: maximum length	X
Clavicle: anterior-posterior diameter at midshaft (lf)	12.3
Clavicle: medial-lateral diameter at midshaft (lf)	13.2
Humerus: maximum length (rt)	~323
Humerus: epicondylar breadth (lf)	59.4
Humerus: vertical diameter of head (rt)	46.1
Humerus: anterior-posterior diameter at midshaft (rt)	20.4
Humerus: medial-lateral diameter at midshaft (rt	23.3
Radius: maximum length	X
Radius: anterior-posterior diameter at midshaft (lf)	14.9 (caliche thick
Radius: medial-lateral diameter at midshaft (lf)	18.6 (caliche thick)
Ulna: maximum length	X
Ulna: anterior-posterior diameter at midshaft (lf)	17.5 (caliche thick)
Ulna: medial-lateral diameter at midshaft (lf)	17.5 (caliche thick)
Os Coxae: iliac breadth	X
Os Coxae: pubis length	X
Os Coxae: Ischium length	X
Femur: maximum head diameter	X
Femur: epicondylar breadth	X
Femur: maximum length	X
Femur: anterior-posterior diameter at midshaft (rt)	25.3
Femur: medial-lateral diameter at midshaft (rt)	26.8
Tibia: maximum length (rt)	370
Tibia: maximum proximal epiphyseal breadth (rt)	73.3
Tibia: maximum distal epiphyseal breadth (rt)	47.3
Tibia: anterior-posterior diameter at the nutrient foramen (rt)	39.3
Tibia: medial-lateral diameter at the nutrient foramen	24.3
Fibula: maximum length	X
Fibula: maximum diameter at midshaft (rt)	17.9
Calcaneus: maximum length	X
Calcaneus: middle breadth	X

Site: CA-SMA-267
Burial: 1

The equations used for determining stature from Genoves' research are:

Males:
All bones: Stature = 2.52(Rad) – 0.07(Ulna) + 0.44(Hum) + 2.98(Fib) – 0.49(Tib) + 0.68(Fem) + 95.113 ± 2.614
Femur: Stature = 2.26(Femur) + 66.379 ± 3.417
Tibia: Stature = 1.96(Tibia) + 93.752 ± 2.812

Females:
All bones: Stature = 8.66(Rad) – 7.37(Ulna) + 1.25(Tib) – 0.93(Fem) + 96.674 ± 2.812
Femur: Stature = 2.59(Femur) + 49.742 ± 3.816
Tibia: Stature = 2.72(Tibia) + 63.781 ± 3.513

Use Tables 12 and 13, Genoves (1967) for individual elements: femus, tibia, fibula, humerus, ulna, and radius

Element	Measurement, mm	Stature, cm	Height, in.
*tibia, rt.	370	164.42	64.7
*humerus, rt.	323	164.50	64.8

*elements have been reconstructed

Stature (estimation): 5'4" to 5'5"

The equations used for determining stature from Auerbach's research are:

Males:
Femur: Stature = 0.254 x FBL + 52.85 (FBL = femoral bicondylar length, mm)
Tibia: Stature = 0.302 x TML + 51.66 (TML = tibial maximum length, mm)

Females:
Femur: Stature = 0.267 x FBL + 44.80 (FBL = femoral bicondylar length, mm)
Tibia: Stature = 0.296 x TML + 52.30 (TML = tibial maximum length, mm)

Element	Measurement, mm	Stature, cm	Height, in.
*tibia, rt.	370	163.4	64.3

Stature (estimation): 5'4"

Site: CA-SMA-267
Burial: 1

ADDITIONAL NOTES

rt. tibia	caliche thickly covers the upper portion of the element, on the posterior side the caliche has either been removed manually or fallen off on its own. Where the caliche is missing, the cortex appears weathered, dry, with cracking on the distal posterior diaphysis. Additional cracking is present on the proximal diaphysis lateral side, though this may be more to soil pressures cracking the bone. There is several indications of post-mortem damage due to excavation along the anterior crest. Longitudal cracking is an indication of? (check Simms)
rt. humerus	similar to the right tibia, where the caliche is missing the bone cortex looks weathered with evidence of longitudal cracking on the diaphysis, both anterior and posterior.
rt. femur	recent scratch damage is present on the anterior diaphysis determined by the level of polishing and the striations that are not indicative of stone tool marks, possibly caused by the removal of caliche from the diaphysis. Additionally, there are some rodent gnawing in the same vicinity. Cracking is present in several locations along the diaphysis. Bone under caliche appears weathered.
lf. femur	p/m damage on the anterior surface due to excavation impacting the bone
rt. scapula and T1	these two elements fused together by caliche. No evidence of any pathology on either of these elements, though the caliche is very thick on the posterior side under the spine and inferior to the acromium process
rt. ulna and radius	both of these two elements were fused together by caliche. No evidence of trauma is present on either element.
rt. lunate and triquetrall	both of these two elements were fused together by caliche

Except for the large muscle marker on the back of the cranium, the caliche obscures the muscle markers on the long bones.

It appears that when the caliche has been removed manually, that the cortex may have been damaged giving it the weathered appearance.

Site: CA-SMA-267
Burial: 1

ADDITIONAL NOTES

Craniometric determination for cranial shape and biometric traits:

Cranial length = 21.0 cm

Cranial breadth = 12.9 cm

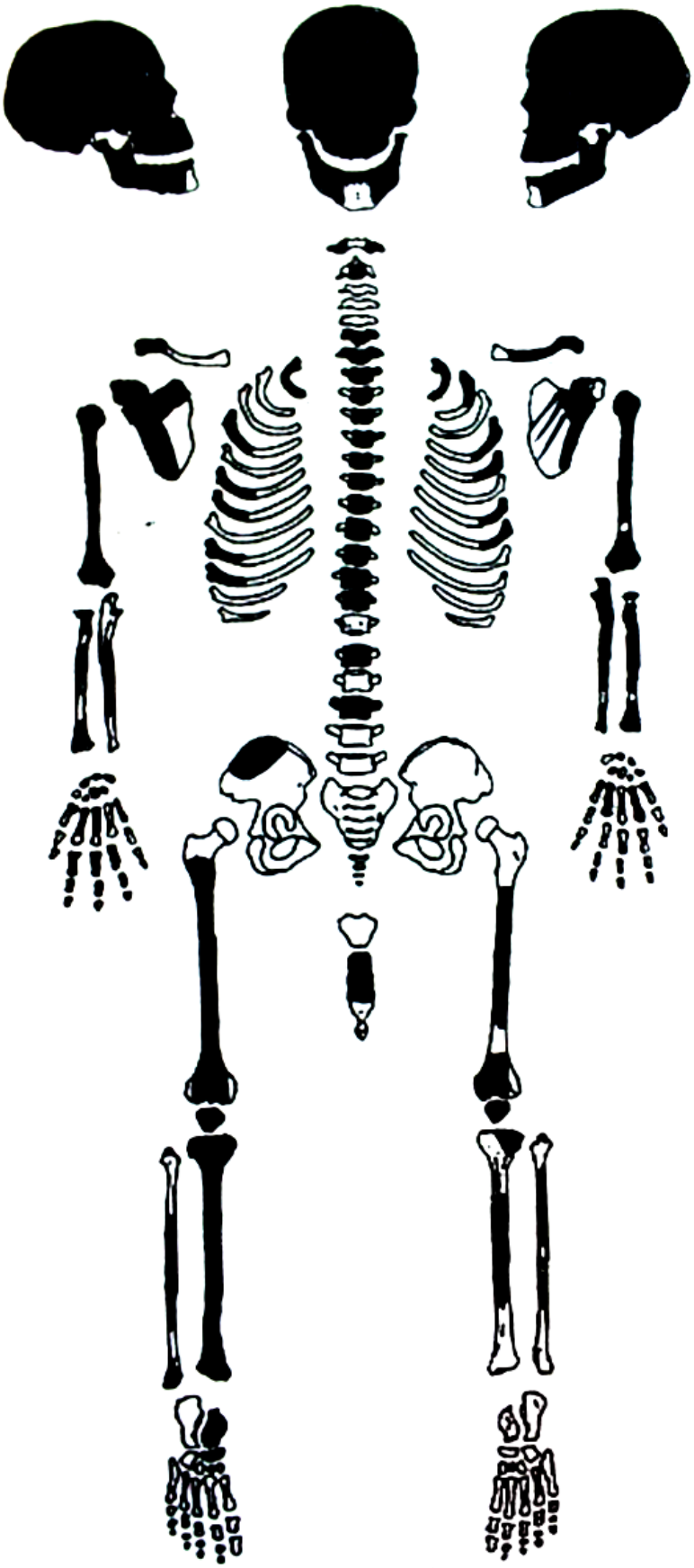
21.0 / 12.9 x 100 = 61.4 index

Based on these numbers, this individual's cranial shape is considered dolichocrany

OHLONE FAMILIES CONSULTING SERVICES

Site: CA-SMA-267

Burial: 1



Notes

Sex Male

Age 18-22

APPENDIX B-19

APPENDIX C

CA-SMA-267
ARTIFACT AND FAUNAL CATALOG

APPENDIX C

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: **CA-SMA-267** Date: 3/21/2011

Level/Stratum: **Burial 1 (Associated Materials)** Recorder: Leventhal/DiGiuseppe

Coordinates: **Unit 1/Stratum V/85-103 cm BS** Reference No.: #1

Catalogue No.	Artifact Type	Remarks
1-1	Shell	15 *Cerithidea californica*; wt. 5.6 grams
1-2	Shell	81 *Ostrea lurida*; wt. 27.6 grams
1-3	Shell	4 *Mytilus edulis*; wt. 0.8 grams
1-4	Faunal	2 faunal bones – rodent; 0.3 grams
1-5	Cobbles and pebbles	11 sandstone – reviewed and de-accessioned
1-6	Baked clay	8 pieces of baked clay; wt. 147.6 grams
1-7	Cobble fragments	6 cobble, cobble fragments and pebbles as samples from the burial matrix, Wt. 763.5 gr.

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 Date: 3/21/2011

Level/Stratum: **Unit 1 - Stratum I** Recorder: Leventhal/DiGiuseppe

Coordinates: 0-17 cm BS (Road Bed/Asphalt) Reference No.: #2

Catalogue No.	Artifact Type	Remarks
2	Nothing Recovered,	No cultural materials

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 Date: 3/21/2011

Level/Stratum: **Unit 1 – Stratum II** Recorder: Leventhal/DiGiuseppe

Coordinates: 17-32 cm BS (Sub-Bed/Gravel) Reference No.: #3

Catalogue No.	Artifact Type	Remarks
3-1	Sandstone cobbles	19 – Pebbles and cobble frags. Noted at 26-30 cm BS; sandstone rounded to subrounded, some were split – 2 specimens saved as samples Wt. 318.3 gr.

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 Date: 3/21/2011

Level/Stratum: **Unit 1 – Stratum III** Recorder: Leventhal/DiGiuseppe

Coordinates: 32-44 cm BS Reference No.: #4

Catalogue No.	Artifact Type	Remarks
4-1	Baked clay	21 pieces of baked clay ; wt. 143.9 grams
4-2	Shell	51 *Cerithidea californica*; wt. 22.0 grams
4-3	Shell	340+ *Ostrea lurida*; wt. 168.4 grams
4-4	Shell	1 *Penitella pineta* (boring clam); wt. 0.6 grams
4-5	Soil sample	Above Burial

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 Date: 3/21/2011

Level/Stratum: **Unit 1 – Stratum IV** Recorder: Leventhal/DiGiuseppe

Coordinates: 44-85 cm BS Reference No.: #5

Catalogue No.	Artifact Type	Remarks
5-1	Shell	7 *Cerithidea*; wt. 4.2 grams
5-2	Shell	71 *Ostrea lurida*; wt. 36.8 grams
5-3	Shell	7 *Mytilus edulis*; wt. 2.7 grams
5-4	Shell	1 *Penitella pineta* ; wt. 0.5 grams
5-5	Cobbles	4 cobble fragments of sandstone

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 (**Burial Zone**) Date: 3/21/2011

Level/Stratum: **Unit 1 – Stratum V** Recorder: Leventhal/DiGiuseppe

Coordinates: 85-103/103-135 cm BS Reference No.: #6

Catalogue No.	Artifact Type	Remarks
6-1	Shell	4 *Cerithidea californica*; wt. 1.8 grams
6-2	Shell	*29 Ostrea lurida*; wt. 6.1 grams
6-3	Crab claw	1 *Cancer* sp? claw; wt. 0.1 grams
6-4	Vitrified clay	1 piece – de-accessioned
6-5	Baked clay	1 piece baked clay; wt. 26.3 grams
6-6	Vitrified clay	1 Vitrified clay; wt. 36.6 grams
6-7	Vitrified clay	1 Vitrified clay; wt. 18.9 grams
6-8	Cobbles	15 cobble fragments and pebbles, sandstone
6-9	Soil sample	Below Burial 1
6-10	Soil sample	From under skull

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 (Burial1) Date: 3/21/2011

Level/Stratum: **Unit 1 – Stratum V** Recorder: Leventhal/DiGiuseppe

Coordinates: 85-103/103-135 cm BS Reference No.: #6 (continued)

Catalogue No.	Artifact Type	Remarks
6-11	Soil sample	From below Burial 1
6-12	Soil sample	From below Burial 1
6-13	Vitrified clay	1 piece – de-accessioned
6-14	Lithic – utilized flake found in association with Burial	1 red Franciscan chert; wt. 2.2 grams; bulbar length 20.1 mm x 25.0 mm x 4.2 mm; Edge Unit 1 (EU1) length is 10.8 mm straight to slightly concaved, PEA 34-39°, DEA 67-78°, unifacial crushing and stepped fractures located on the left lateral edge ventral view; EU2 length is 10.2 mm straight, PEA 37-42°, DEA 84-85°, unifacial retouch and slight nibbling located on the lower left lateral edge, dorsal view

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 Date: 3/21/2011

Level/Stratum: **Unit 1 – Stratum VI** Recorder: Leventhal/DiGiuseppe

Coordinates: 135-160 cm BS (Sterile) Reference No.: #7

Catalogue No.	Artifact Type	Remarks
7	Nothing recovered	No cultural materials

ARTIFACT AND FAUNA RECORD CATALOG

Site No.: CA-SMA-267 Date: 3/21/2011

Level/Stratum: **Backhoe Trench** Recorder: Leventhal/DiGiuseppe

Coordinates: Backdirt Screen Recovery Reference No.: #8

Catalogue No.	Artifact Type	Remarks
8-1	Baked clay	5 pieces baked clay; wt. 66.3 grams
8-2	Cobbles	Cobbles, cobble fragments and pebbles – 137 – 98% fine grained sandstone, small percentage burnt, de-accessioned
8-3	Screened soil sample	From Backhoe Trench
8-4	Clam shells	10 small clams shells, Historic?

APPENDIX D

AMS C^{14} DATING RESULTS
CA-SCL-267

APPENDIX D
RESULTS OF THE AMS DATING OF THE LOŠKOWIŠ ’AWWEŠ T̲ÁAREŠ BURIAL

Tuesday, October 09, 2007 NSF-Arizona AMS Laboratory Page 1 of 1

Contact: Leventhal, A.

AA #	Sample ID	Suite	Material	d13C	F	14C age BP
AA74798	CA-SMA-267 B-1	1 of 3	bone	-19.9	0.629 +- 0.0040	3,713 +- 51

Corrected Dates:	Site #	CalPal Date	Calib 6.0.1Date	Temporal Placement
Burial 1	**CA-SMA-267**	**2115 ± 73 BC**	**2084 BC**	**Archaic/Early Bay/Stanford Man II**

Notes:

Burial 1 (Loškowiš ’Awweš T̲áareš [White Salt Man] Burial) from CA-SMA-267 turned out to be far older than what we had predicted which was expected to date between 300 BC to 300 AD. This burial is no doubt closely related to the burials that Gerow dated from the Stanford Man II site CA-SCL-33 (dating 2400 BC and 2450 BC) and Sunnyvale site (dating 2440 BC and 2520 BC). The Loškowiš ’Awweš T̲áareš [White Salt Man] Burial is also over 500 years older than the oldest date that Gerow obtained from the University Village cemetery (CA-SMA-77)