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Archaeological Investigations at the Salmon Beds

Faunal Remains

Susan Crockford of Pacific Identifications Inc examined identifiable faunal remains. Sixty-five elements were identifiable to class, family or species (Table 3). Ms. Crockford made the following observations:

Most if not all of the small ungulate is probably deer, and most of the really identifiable bits appear to be white-tailed rather than mule deer. Most of the large ungulate appeared to be elk, although a bit of what could be cow or bison was identified. A few bits of dog were recovered, some of it as small as the smallest prehistoric dogs I have seen for BC (see Crockford 1997), and some as large as the common "village dog". None were coyote or wolf.

The fish bones were all identified as sucker, quite large ones (ca. 40-45 cm, as compared to those of known length in the U. Vic. collection). One otolith of a large burbot (much larger than ca. 30 cm fish in the U. Vic. collection) was recovered from one of the lower levels. The salmon all appear to be large Chinooks. (Letter Report of September 20, 1999).

From Level 1 (0-5 cm), one phalanx and one main metacarpal were deer (Odocoileus sp.), one proximal phalanx was elk (Cervus elephus), one mandible ramus was from a large ungulate, and two elements were from a sucker (Catostomus sp.).

From Level 2 (5-10 cm), came a medial phalanx (White-tailed deer, Odocoileus virginiana), a femur, metapodial, carpal #3, intermediate carpal, and radial carpal (deer, Odocoileus sp.), a main metatarsal, a proximal phalanx, an unidentifiable phalanx and a sesamoid (large ungulate), otolith (Chinook Salmon, Oncorhynchus tshawytscha), and an unidentifiable vertebra and unidentified fragments of an undetermined large land mammal.

From Level 3 (10-15 cm) were recovered 3 otoliths (Chinook salmon, Oncorhynchus tshawytscha), four teeth (White-tailed deer, Odocoileus virginiana), a proximal phalanx (Beaver, Castor canadensis), and a long bone shaft of an undetermined large land mammal.

From Level 4 (15-20) were recovered a tibia and a tooth (Deer sp., Odocoileus sp.), 2 teeth and other bone fragments from a very large ungulate.

From Level 5 (20-25) were recovered 3 otoliths (Chinook salmon, Oncorhynchus tshawytscha).

From Level 6 (25-30) were recovered 1 otolith (Chinook salmon, Oncorhynchus tshawytscha), and a metapodial (Deer, Odocoileus sp.).

From Level 7 (30-35) were recovered 1 otolith (Burbot, Lota lota), and a scapula blade from a large ungulate.

From Level 8 (35-40) came 2 teeth from a very large ungulate.

Identifiable bones in the surface collection included a humerus, main metacarpal. a scapula (White-tailed deer, Odocoileus virginiana); a radius and a main metatarsal (deer, Odocoileus sp.); a femur, central tarsal, and 3 teeth (Elk, Cervus elephus); a thoracic vertebra and main metatarsal (Cow/Bison, Bos/Bison); a medial accessory phalanx (Black bear, Ursus americanus); an innominate/pelvis, mandible, radius, and ulna (Dog, Canis familiaris); an Operculum and a Preoperculum (Sucker, Catostomus sp.); and a long bone shaft of an undetermined large land mammal.

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The most common faunal remains from the Salmon Beds appear to be Chinook Salmon (Levels 2, 3, 5 and 6), and deer (Levels 1, 2, 3, 4, 6). Other ungulates were being exploited as well, especially elk and possibly bison. Other fish in the sample include Burbot and Sucker. A small amount of beaver and bear is also present at the site. All of the dog bones are complete and were not likely to have been eaten.

Table 3 Identified bone by element and species.

DBS	ELEMENT	SPECIES NAME	COMMON NAME	AGE CLASS
0-5	Phalanx, proximal	Odocoileus	Deer sp.	adult/ subadult
0-5	Mandible,	sp. Artiodactyla	Ungulate (lg)	Subaduit
0-3	horizontal	(lg)	Originate (ig)	
	ramus	(.9)		
0-5	Weberian	Catostomus	Sucker,	
	vert. #1	sp.	undisting.	
0-5	Operculum	Catostomus	Sucker,	
	·	sp.	undisting.	
0-5	Main	Odocoileus	Deer sp.	adult/
	metacarpal	sp.		subadult
	(III/IV)			
0-5	Phalanx,	Cervus	Elk	adult/
	proximal	elaphus		subadult
5-10	Femur	Odocoileus	Deer sp.	juvenile
		sp.		
5-10	Phalanx,	Odocoileus	White-tailed	adult/
- 10	medial	virginiana	deer	subadult
5-10	Phalanx,	Artiodactyla	Ungulate (lg)	
5.40	proximal	(lg)	01:1:1	1. 11
5-10	Otolith	Oncorhynchus	Chinook	adult
5-10	Carpal #3	tshawytscha Odocoileus	salmon	juvenile
5-10	Carpai #3		Deer sp.	juverille
5-10	Intermediate	sp. Odocoileus	Deer sp.	adult/
3-10	carpal	sp.	Дест эр.	subadult
5-10	Radial carpal	Odocoileus	Deer sp.	adult/
	rtadiai caipai	sp.	В сс. ср.	subadult
5-10	Phalanx	Artiodactyla	Ungulate (lg)	
	(undet)	(lg)	3 (3)	
5-10	Sesamoid	Artiodactyla	Ungulate (lg)	adult/
		(lg)	, , ,	subadult
5-10	Unidentified		Undet.lg. land	
	(fragments)		mammal	
5-10	Unidentified		Undet.lg. land	
	(fragments)		mammal	
5-10	Unidentified		Undet.mammal	
- 10	(fragments)	2		
5-10	Metapodial	Odocoileus	Deer sp.	
5.40	N.4	sp.	11 1.1. (1.)	
5-10	Main	Artiodactyla	Ungulate (lg)	
	metatarsal (III/IV)	(lg)		
5-10	Vertebra		Undet.lg. land	
J-10	(undet)		mammal	
10-15	Otolith	Oncorhynchus	Chinook	adult
	Cionar	tshawytscha	salmon	addit
10-15	Otolith	Oncorhynchus	Chinook	adult
		tshawytscha	salmon	2.231
10-15	Otolith	· · · · · · · · · · · · · · · · · · ·		adult

		Oncorhynchus	Chinook	
10-15	Dooldyous	tshawytscha	salmon White-tailed	iuu (anila/
10-15	Deciduous	Odocoileus		juvenile/
	upper	virginiana	deer	subadult
10-15	premolar 2	Odocoileus	White-tailed	iuu (opilo/
10-15	Deciduous			juvenile/ subadult
	upper	virginiana	deer	Subaduit
10-15	premolar 3 Upper molar	Odocoileus	White-tailed	iuu (opilo/
10-15	3		deer	juvenile/ subadult
10-15	Upper	virginiana Odocoileus	White-tailed	juvenile/
10-13	premolar 1	virginiana	deer	subadult
10-15	Phalanx,	Castor	Beaver	adult
10-13	proximal	canadensis	Deaver	auuit
10-15	Unidentified	Carladerisis	Undet.lg. land	
10-13	(long bone		mammal	
	shaft)		mamma	
15-20	Tibia	Odocoileus	Deer sp.	adult/
13-20	Tibla		Deer sp.	subadult
15-20	Tooth, undet.	sp. Artiodactyla	Ungulate (v.lg)	Subaduit
13-20	Toolii, undet.	(v.lg)	Origulate (v.ig)	
15-20	Tooth, undet.	Artiodactyla	Ungulate (v.lg)	
13-20	Toolii, undet.	(v.lg)	Origulate (v.ig)	
15-20	Unidentified	(v.ig)	Undet.lg. land	
13-20	(fragments)		mammal	
15-20	Deciduous	Odocoileus	Deer sp.	juvenile
13-20	lower		Бесі зр.	juverille
	premolar 2	sp.		
15-20	Tooth, undet.	Artiodactyla	Ungulate (lg)	
10-20	Tootii, andct.	(lg)	Origulate (ig)	
20-25	Otolith	Oncorhynchus	Chinook	
20-23	Otolitii	tshawytscha	salmon	
20-25	Otolith	Oncorhynchus	Chinook	
20-23	Otoliti	tshawytscha	salmon	
20-25	Otolith	Oncorhynchus	Chinook	
20-23	Otoliti	tshawytscha	salmon	
25-30	Metapodial	Odocoileus	Deer sp.	adult/
20 00	Wictapodiai	sp.	Всст ор.	subadult
25-30	Otolith	Oncorhynchus	Chinook	Gabadan
20 00		tshawytscha	salmon	
30-35	Scapula,	toriawytooria	Ungulate (lg)	
0000	blade		Originate (ig)	
30-35	Otolith	Lota lota	Burbot	
35-40	Tooth, undet.	2010 1010	Ungulate (v.lg)	
35-40	Tooth, undet.		Ungulate (v.lg)	
surface	Radius	Odocoileus	Deer sp.	juvenile/
Carrace	Radius	sp.	Бссі зр.	subadult
surface	Humerus	Odocoileus	White-tailed	adult/
Juliace	Tidificius	virginiana	deer	subadult
surface	Unidentified	virginiana	Undet.lg. land	Japadalt
Carrace	(long bone		mammal	
	shaft)		manninai	
surface	Main	Odocoileus	White-tailed	adult/
53300	metatarsal	virginiana	deer	subadult
	(III/IV)	5	4001	
surface	Femur	Cervus	Elk	adult/
		elaphus		subadult
surface	Innominate	Canis	Dog	adult
		familiaris	9	
surface	Operculum	Catostomus	Sucker,	
	1		undisting.	
		Sp.	ariaisting.	
surface	Preoperculum	sp. Catostomus	Sucker,	
surface surface	Preoperculum Main			adult

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		2 1		
	metacarpal (III/IV)	virginiana	deer	
surface	Thoracic vertebra (undet)	Bos/Bison	Cow/bison	subadult
surface	Mandibule	Canis familiaris	Dog	adult
surface	Scapula	Odocoileus virginiana	White-tailed deer	adult/subadult
surface	Radius	Canis familiaris	Dog	adult
surface	Ulna	Canis familiaris	Dog	adult
surface	Main metatarsal (III/IV)	Bos/Bison	Cow/bison	adult
surface	Central tarsal	Cervus elaphus	Elk	adult
surface	Lower premolar 2	Cervus elaphus	Elk	adult
surface	Upper premolar 3	Cervus elaphus	Elk	adult
surface	Upper molar 1	Cervus elaphus	Elk	subadult
surface	Accessory phalanx, medial	Ursus americanus	Black bear	adult

[Home] [Up] [Projectile Points] [Biface] [Scraper] [Netsinker] [Grooved Maul] [Hammerstones] [Discoidal Tools] [Stone Tools] [Cores] [Bone Tools] [Historic Objects] [Elakes] [Lithic Material Types] [Faunal Remains] [Bone Fragments] [Fire brocken Rock]