

**Oregon Creek
Habitat Mapping Data**

**Yuba County Water Agency Hydroelectric Project
FERC 2246**

Table 1a. Summary Statistics - Mapped Units

Unit Type	Total Length (ft)	Length Rel Frequency	Number	Number of Units (frequency)	Average width (ft)	Average pool depth (ft)	Average maximum pool depth (ft)	Average pooltail embeddedness (%)
Fall	133	0.6%	9	3.1%	25.9			
Cascade	852	4.1%	19	6.6%	30.2			
Chute	157.5	0.8%	6	2.1%	15.3			
Rapid								
High Gradient Riffle	673	3.2%	15	5.2%	26.3			
Low Gradient Riffle	4169.5	19.9%	49	17.0%	26.7			
Glide	946	4.5%	8	2.8%	29.3			
Run	1245	5.9%	24	8.3%	23.5			
Step Run	808	3.9%	12	4.2%	29.1			
Pocket Water	2613	12.5%	38	13.2%	34.6			
Sheet	92	0.4%	1	0.3%	30.3			
Convergence Pool	25	0.1%	1	0.3%	25.0		2.5	
Mid-Channel Pool	8476	40.4%	93	32.3%	30.8	2.4	3.3	7.6
Lateral Scour Pool	206.5	1.0%	2	0.7%	28.0	1.6	3.5	
Trench Pool								
Plunge Pool	582	2.8%	11	3.8%	25.7	3.5	6.0	5.9
TOTAL	20978.5	100.0%	288	100.0%	29.4	2.5	3.8	6.7

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Weighted
Average
By Length (ft)

Table 2. Stream Cover

Dominant Cover Type	Number	Relative Frequency
Insignificant	16	14.04%
Boulder	93	81.58%
Vegetation	5	4.39%
Wood	0	
SUM	114	100%

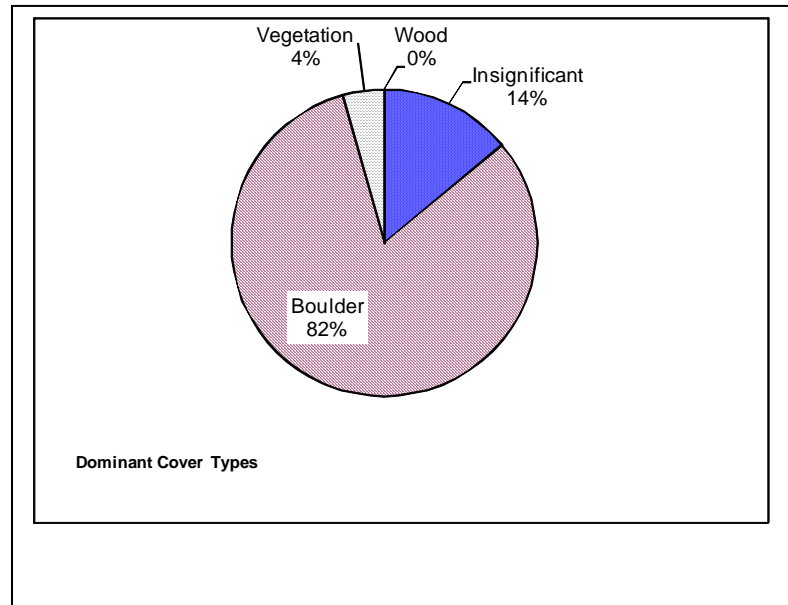
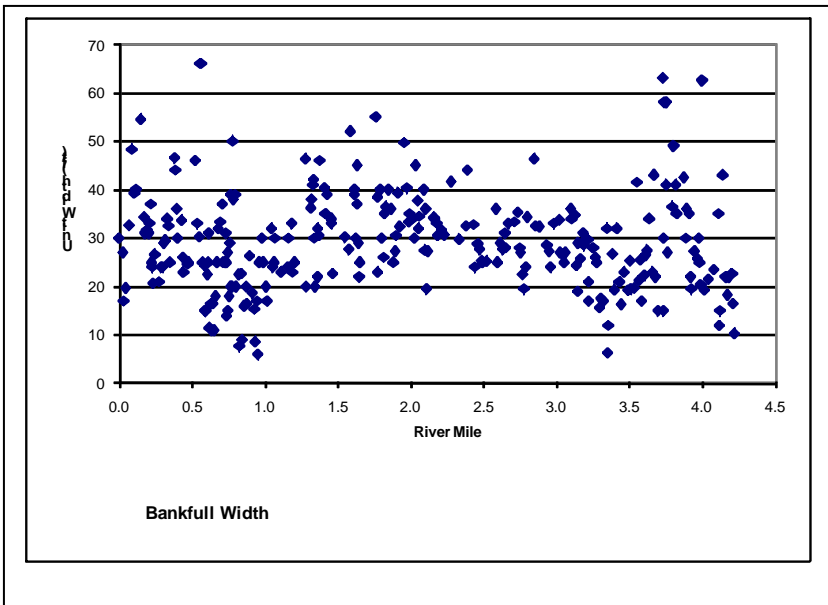
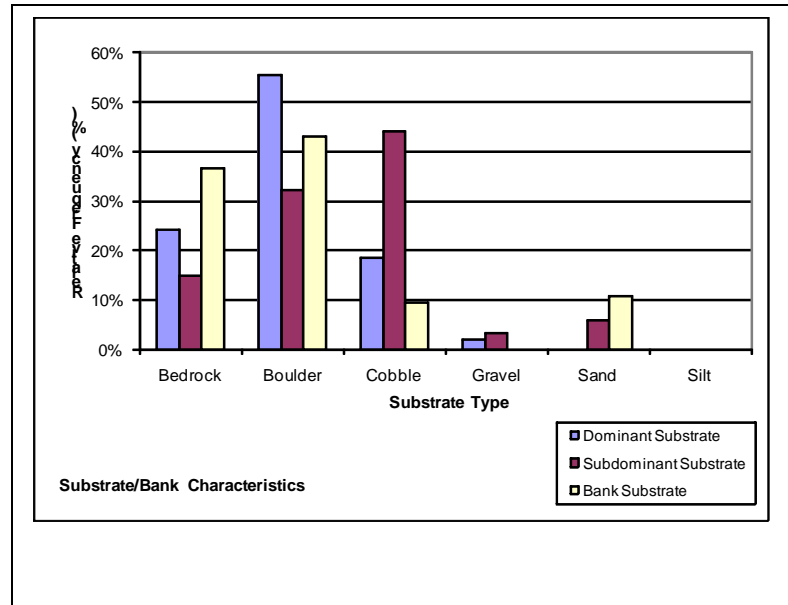
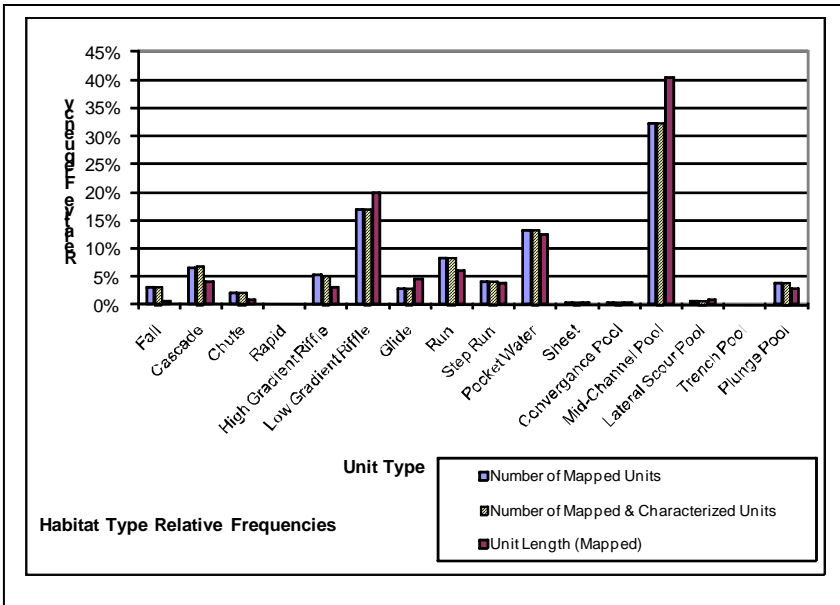
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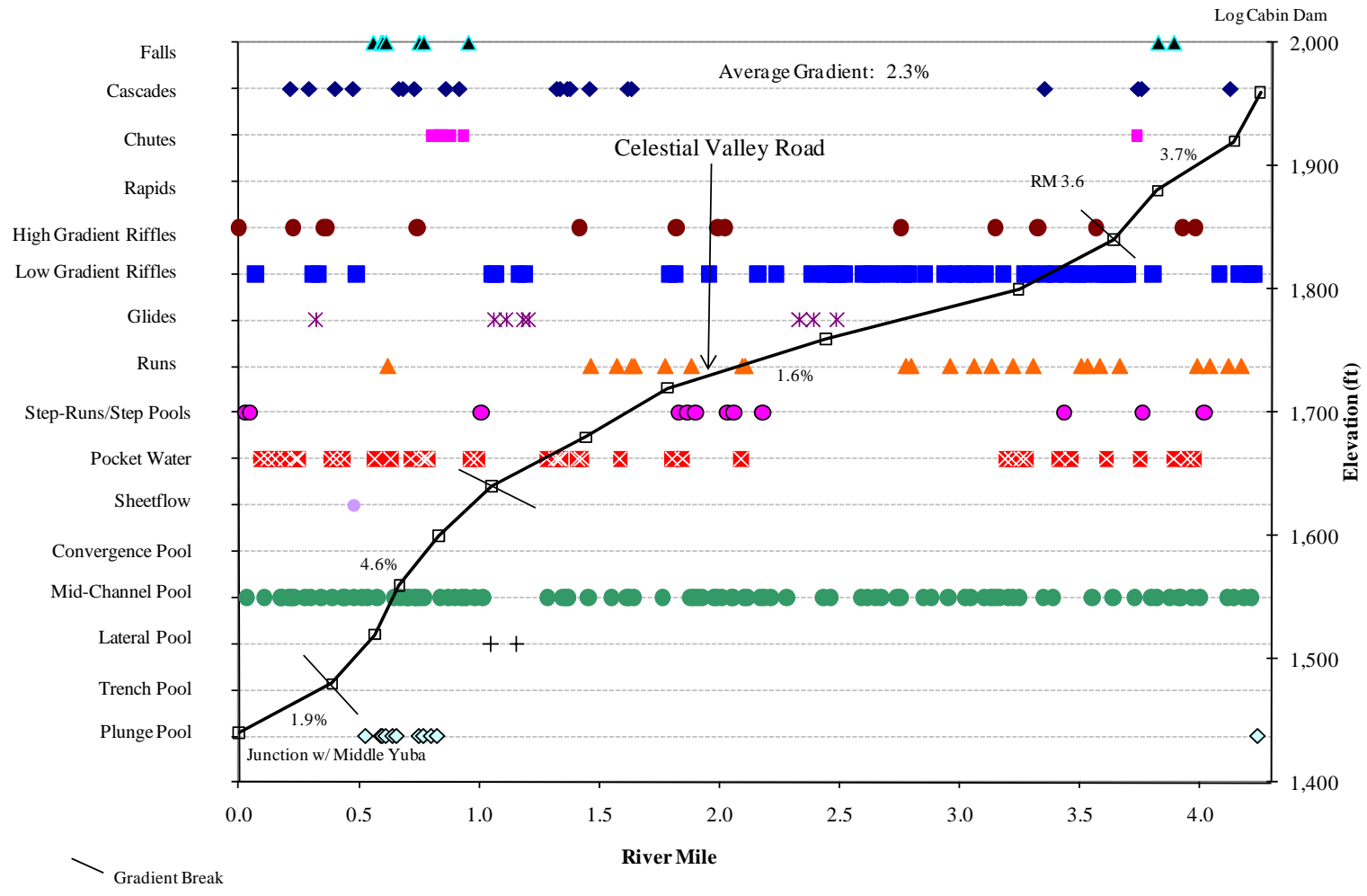
Table 3. Reach Summary

Total Reach Length:	4.2 mi.	
Total Mapped Length:	4.0 mi.	94.6% mapped
Average Bankfull Width:	29.4 ft.	0.00 mi. charac
Bankfull Depth:	1.7 ft.	94.67% Total m & c
Width:Depth:	17	
Flood Prone Width:	0 ft.	
Entrenchment Ratio:	0.0	
Total Spawnable Gravel:	255 ft ² - trout	
Avg Largest Patch Size:	12 ft ² - trout	
LWD Density:	2 / mile (bankful)	
Wetted LWD Density:	2 / mile (wetted width)	
Parent Material:	granitic pluton, metasedimentary	
Bank Erosion % of Reach:	0.6%	
Tot No. Passage Barriers:	8	

Table 4. Reach Summary - Substrate and Bank Characteristics

	Dominant Substrate		Subdominant Substrate		Bank Substrate		Bank Substrate Erosion	
	Total Length (ft)	Length Rel Frequency	Total Length (ft)	Length Rel Frequency	Total Length (ft)	Length Rel Frequency	Total Length (ft)	Length Rel Frequency
Bedrock	2058.5	24.1%	1284	14.9%	3135	36.7%	0	
Boulder	4749	55.5%	2762	32.1%	3670.5	43.0%	89	36.5%
Cobble	1584.5	18.5%	3789.5	44.0%	814.5	9.5%	90	36.9%
Gravel	164	1.9%	281	3.3%	0		0	
Sand	0		494.5	5.7%	920	10.8%	65	26.6%
Silt	0		0		0		0	
SUM	8556	100.0%	8611	100.0%	8540	100.0%	244	100.0%





Oregon Creek – Habitat Mapping Units using ground-mapped data.