

**North Yuba River
Habitat Mapping Data**

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

Stream: North Yuba
Reach: > MY jntn and < Bullards Bar

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	63	1.1%	3	8.8%	66.0			
Cascade	22	0.4%	1	2.9%	55.0			
Chute								
Rapid	778	13.1%	2	5.9%	81.5			
High Gradient Riffle	455	7.7%	3	8.8%	66.2			
Low Gradient Riffle	399	6.7%	3	8.8%	59.8			
Glide								
Run								
Step Run	639	10.8%	3	8.8%	76.1			
Pocket Water	687	11.6%	5	14.7%	49.3			
Sheet								
Convergence Pool								
Mid-Channel Pool	2894	48.7%	14	41.2%	72.7	3.8	7.3	
Lateral Scour Pool								
Trench Pool								
Plunge Pool								
TOTAL	5937	100.0%	34	100.0%	70.0	3.8	7.3	#DIV/0!

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**Weighted
Average
By Length (ft)**

Table 2. Stream Cover

Dominant Cover Type	Number	Relative Frequency
Insignificant	0	
Boulder	34	100%
Vegetation	0	
Wood	0	
SUM	34	100%

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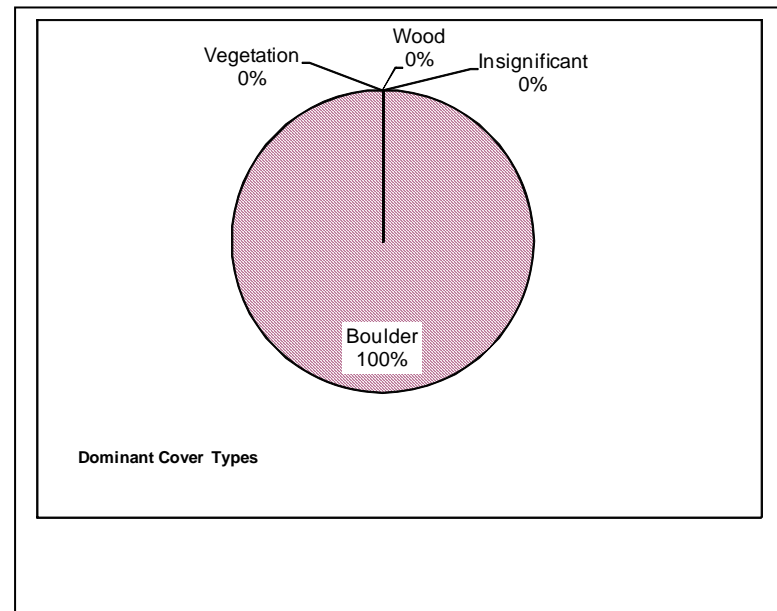
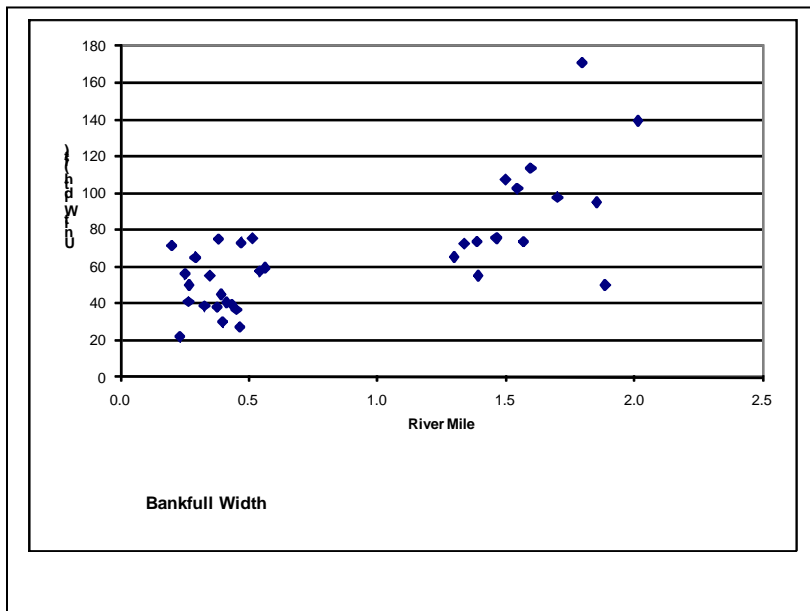
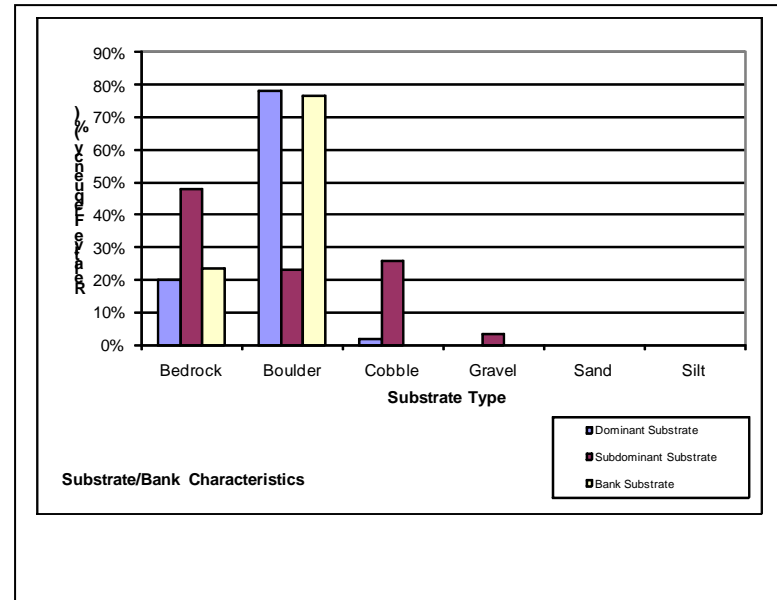
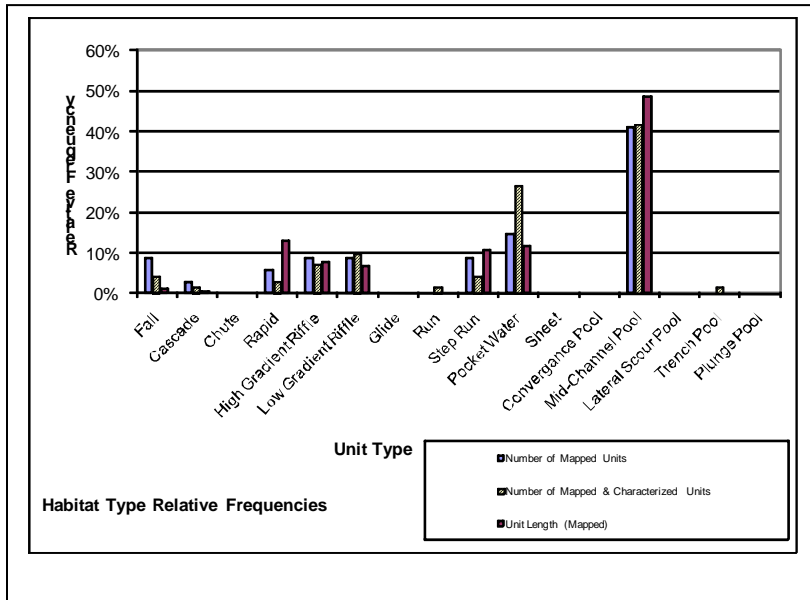
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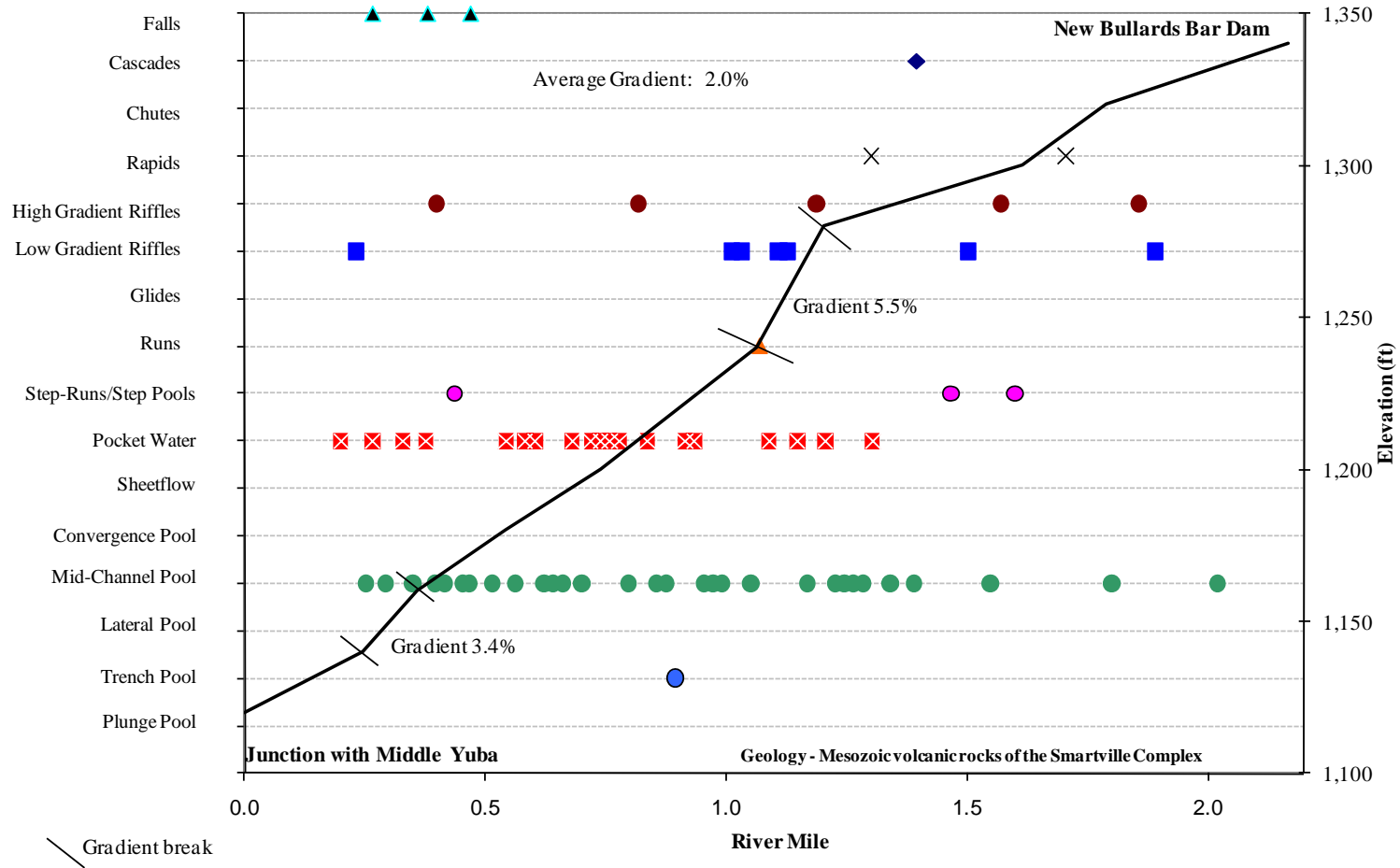
Table 3. Reach Summary

Total Reach Length:	2.13 mi.	
Total Mapped Length:	1.12 mi.	52.8% mapped
Average Bankfull Width:	70.0 ft.	0.00 mi. charac
Bankfull Depth:	3.5 ft.	52.79% Total m & c
Width:Depth:	20	
Flood Prone Width:	0 ft.	
Entrenchment Ratio:	0.0	
Total Spawnable Gravel:	511 ft ² - trout	
Avg Largest Patch Size:	31 ft ² - trout	
LWD Density:	1 / mile (bankful)	
Wetted LWD Density:	1 / mile (wetted width)	
Parent Material:	Mesozoic rocks of the Smartville Complex	
Bank Erosion % of Reach:	0.0%	
Tot No. Passage Barriers:	4	

	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	1183	19.9%	2838	47.8%	1394	23.5%	0	
Boulder	4646	78.3%	1374	23.1%	4543	76.5%	0	
Cobble	108	1.8%	1523	25.7%	0		0	
Gravel	0		202	3.4%	0		0	
Sand	0		0		0		0	
Silt	0		0		0		0	
SUM	5937	100.0%	5937	100.0%	5937	100.0%	0	0.0%

Table 4. Reach Summary - Substrate and Bank Characteristics





North Yuba River – Habitat Mapping Units using ground-based and video-mapped data and longitudinal profile.