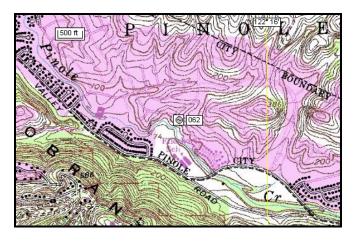
Site Coordinates	563851, 4204298	Site Datum:	UTM WGS 1984
Primary Attributes		Confinement Class	MC (h)
Entrenchment Ratio	2.89 (m)	Active bank erosion	Low (m)
Entrainment Ratio	0.22 (m)	Active sediment supply	Moderate (m)
Secondary Attributes		Bed Materials	Silty Gravel (m)
Bankfull Width (ft)	10	Bank Materials	clay silt (m)
Bankfull Depth (ft)	2.0	Average Gradient	3.34%
Width/Depth Ratio	4.9 (h)	CLASSIFICATION	MEDIUM
(m) = Medium Criterion; (h) = High Criterion			

Site 62 – Pinole Ck: Amber Swartz Park

<u>RISK JUSTIFICATION</u>: Primary and most secondary attributes are Medium. Welldeveloped riparian areas limit coarse sediment supply. Bedrock exposures indicate limited down-cutting potential. However, landslide evidence indicates that continued incision may destabilize local valley walls, which may affect local channel stability.



SITE NOTES: Channel incised about 6-8 feet from former surface as indicated by local terraces adjacent to channel. Large, deep-seated landslide adjacent to site, which may have been triggered from channel incision that destabilized landslide toe. Pool-riffle channel with clay bedrock locally exposed. Well vegetated riparian community along banks and valley walls. Surrounding land use heavily developed into suburban housing.







Site 62 – Pinole Ck ASP







Attachment 4, Appendix B

PWA Ref # 1742: Contra Costa Clean Water Program Hydromod