

**Site 62 – Pinole Ck: Amber Swartz Park**

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)	<b>CLASSIFICATION</b>	<b>MEDIUM</b>

(m) = Medium Criterion; (h) = High Criterion

**RISK JUSTIFICATION:** Primary and most secondary attributes are Medium. Well-developed 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.





