

Site 65 – Pinole Ck

Site Coordinates

570927, 4200653

Site Datum:

UTM WGS 1984

Primary Attributes		Confinement Class	MC (m)
Entrenchment Ratio	1.4 (h)	Active bank erosion	High (h)
Entrainment Ratio	0.00951 (m)	Active sediment supply	High (h)
Secondary Attributes		Bed Materials	Pea Gravel (h)
Bankfull Width (ft)	13	Bank Materials	silty clay (h)
Bankfull Depth (ft)	1.7	Average Gradient	1.07%
Width/Depth Ratio	7.6 (h)	CLASSIFICATION	HIGH

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

RISK JUSTIFICATION: Primary and most secondary attributes are mixed. Sediment supply is high due to local erosion sources, artificially aggrading the bed. Steep valley side slopes and local erosion sources indicate excessive sediment load that, if reduced, could result in long-term degradation of the channel bed.



SITE NOTES: Localized channel aggradation due to large inputs of sediment from failing culverts and road fill failures adjacent to channel. Pool-riffle channel with localized trash and debris buried in channel, offering artificial stabilization features.



