

Site 74 – Briones Valley Headwaters

Site Coordinates

604189, 4196462

Site Datum:

UTM WGS 1984

Primary Attributes		Confinement Class	WC (H)
Entrenchment Ratio	1.06 (H)	Active bank erosion	Moderate
Entrainment Ratio	1.22 (H)	Active sediment supply	Moderate
Secondary Attributes		Bed Materials	silty clay (H)
Bankfull Width (ft)	9	Bank Materials	silty clay (H)
Bankfull Depth (ft)	0.5	Average Gradient	0.58%
Width/Depth Ratio	18.0 (M)	CLASSIFICATION	HIGH

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

RISK JUSTIFICATION: Primary attributes are High. Fine substrate combined with evidence of localized bank erosion and significant channel incision under existing conditions; moderate supply of sediment will help maintain an alluvial mantle and prevent incision, although reduction in supply could destabilize the channel; high width/depth ratio may be a result of channel widening associated with cattle-driven sedimentation.



SITE NOTES: Locally steep eroded bluffs providing a moderate amount of sediment supply. Banks mostly stable and well vegetated. Occasional boulders and bedrock blocks in channel. Channel incised about 9 feet into valley floor.



