

**Site 43 – Marsh Creek**

Site Coordinates

608316, 4194998

Site Datum:

UTM WGS 1984

Primary Attributes		Confinement Class	WC (h)
Entrenchment Ratio	1.06 (h)	Active bank erosion	High (h)
Entrainment Ratio	5.24 (h)	Active sediment supply	Moderate (m)
Secondary Attributes		Bed Materials	clay silt (h)
Bankfull Width (ft)	9	Bank Materials	silty loam (h)
Bankfull Depth (ft)	0.5	Average Gradient	2.51%
Width/Depth Ratio	18.0 (m)	<b>CLASSIFICATION</b>	<b>HIGH</b>

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

**RISK JUSTIFICATION:** Primary attributes are high. Channel clearly incised under current land-use. Secondary criteria also lean strongly to High risk. Incision promotes continued erosion, largely due to fine sediment and lack of functional floodplain. High increases in shear stress during peak flows.



**SITE NOTES:** Plane-bed channel incised about 5 feet into historic floodplain. Small incipient floodplain forming within channel banks, primarily formed from bank colluvium and downstream transport. Minimal meandering but variable active channel width, primarily due to bank slumping.



