

**Site 75 – Marsh Creek Headwaters**

Site Coordinates

605619, 4194606

Site Datum:

UTM WGS 1984

Primary Attributes		Confinement Class	MC (h)
Entrenchment Ratio	1.64 (h)	Active bank erosion	Low (m)
Entrainment Ratio	0.00708 (m)	Active sediment supply	Low (m)
Secondary Attributes		Bed Materials	cobble/gravel (m)
Bankfull Width (ft)	28	Bank Materials	gravel (m)
Bankfull Depth (ft)	2.2	Average Gradient	1.23%
Width/Depth Ratio	12.5 (m)	<b>CLASSIFICATION</b>	<b>MEDIUM</b>

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

**RISK JUSTIFICATION:** Primary attributes are mixed. However, most secondary criteria are medium. Coarse substrate limits down-cutting potential. Stable, well-vegetated banks and moderate confinement indicate limited channel widening risk. Low sediment supply and relatively steep gradient indicates limited risk of active sedimentation, suggesting a low risk of channel widening.



**SITE NOTES:** Pool-riffle channel. Old sycamores rooted in alluvium with approximately 3 feet of very coarse roots exposed, indicating some historic incision. Old inset floodplain now acting as terrace (e.g. no longer exposed to flooding).



