

Site 37 – Marsh Creek

Site Coordinates

611946, 4192484

Site Datum:

UTM WGS 1984

Primary Attributes		Confinement Class	MC (m)
Entrenchment Ratio	3.29 (m)	Active bank erosion	Low (m)
Entrainment Ratio	0.00293 (m)	Active sediment supply	Moderate (m)
Secondary Attributes		Bed Materials	Gravel (m)
Bankfull Width (ft)	24	Bank Materials	gravel & silts (m)
Bankfull Depth (ft)	1.6	Average Gradient	0.70%
Width/Depth Ratio	15 (m)	CLASSIFICATION	MEDIUM

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

RISK JUSTIFICATION: Primary attributes are moderate. Gravel dominated substrate implies limited entrainment potential. Relatively unconfined channel with well vegetated point bars. No evidence of recent incision. Wide channel indicates small increase in shear stress during large flows. All secondary criteria indicate a Medium risk.



SITE NOTES: Pool-riffle channel with well vegetated bars and banks. Well graded gravels in riffles, presumably from upstream supply. Silty/mucky in pools. Localized bank erosion at outer bends consistent with normal channel migration processes and rates.



