

LR-1

Date and Time: 8/26/14 1015	Northing / Lat: 3000601.4
River: SUSITNA	Easting / Long: 1626525.9
X-Sec / PRM: 91.7	Bank Height (ft): 7.5' above WSE ; 5.7' above gravel/cobble core
Field Book #: -	Failure Mode: cantilever
Sampled By: MDH, BT, RV	Root Depth (ft): 4'
Comments:	Bank Angle (deg): vertical
Sample Number: S2	

Bank Samples 3 TOTAL → S2A, B, C

root reinforcement in upper bank is providing effective cohesion
cantilever failure as result of erosion in lower bank

Thin layer of sand dip on top of surface - 2012 flood?

(ft)	Lithology	Lithologic Description	Special Features
0		fine sand - 0.2' organic layer - 0.1'	
0.9	(S2A) (X)	fine sand, small roots - 0.9'	MDH 0700 bank
1.0		organic layer w/ sandy silt	
1.7		fine sand, small roots - 0.7'	TT 0012 bank
1.8		organics + sandy silt - 0.1'	
2.1		clean, fine sand - 0.3'	
2.6		medium sand, some roots - 0.5'	
3.4	(S2B) (X)	fine sand - 0.8'	
4.0		silty sand w/ some organics - 0.4'	
4.9		clean fine to medium sand - 0.9'	
5.6	(S2C) (X)	silty sand with iron staining - 0.7'	
5.7		GRAVEL/COBBLE CORE	
6.0			
7.0			
8.0			
9.0			