Attachment C – Scour Analysis

Major Basin: 01

ID: SUND CURVE

Type	Calc (ft)	FS	Value (ft)	Method
Long Term	1.33	1.30	1.73	State Standard Level I
General	2.43	1.30	3.16	Lacey
Local		1.30		
Bedform	.30	1.30	.39	**Comments**
Low Flow	1.00	1.30	1.30	
Total			**6.58**	

ID: SUND STRAIGH

Type	Calc (ft)	FS	Value (ft)	Method
Long Term	1.33	1.30	1.73	State Standard Level I
General	.61	1.30	.79	Lacey
Local		1.30		
Bedform	.30	1.30	.39	**Comments**
Low Flow	1.00	1.30	1.30	
Total			**4.21**	

ID	Q100	Scour Depth (ft)
Maior Basin ID: 01		
SUND CURVE	1,087	1.33
SUND STRAIGHT	1,087	1.33

Design FlowRate (cfs)	D50 (mm)	Bend Factor, Z	Scour Depth Including Bend (ft)

Maior Basin ID: 01

ID: SUND CURVE		**Cross Section ID: Manual**	
1,087	20.000	1.00	2.43
ID: SUND STRAIGHT		**Cross Section ID: Manual**	
1,087	20.000	0.25	0.61

Main Channel Hydraulic Depth (ft)	Main Channel Average Velocity (ft/s)	Main Channel Froude Number	Dune Height/Depth	Dune Scour Depth (ft)	Anti Dune Scour Depth (ft)	Final Scour Depth (ft)
Maior Basin ID: 01						
ID: SUND CURVE		**Cross Section ID: Manual**				
3.00	6.00	0.61	0.20	0.30	-	0.30
ID: SUND STRAIGHT		**Cross Section ID: Manual**				
3.00	6.00	0.61	0.20	0.30	-	0.30