

**STORMWATER WETLAND
COST ESTIMATE WORKSHEET
2005 Prices**

Project Title _____
 Owner _____
 Location _____
 Project Number _____
 Date _____

Description	Units	Quantity	Unit Cost	Total Estimated Price	
Site Preparation					
Tree removal - up to 12" diameter	each	-----	\$350.00	\$0.00	
Clear and grub brush	square yard	-----	\$1.50	\$0.00	
Tree protection - temp. fence	lineal foot	-----	\$3.00	\$0.00	
Topsail - 6" depth, salvage on site	square yard	-----	\$4.50	\$0.00	
Site Formation					
Excavation - deepwater zone - 4' average depth	square yard	-----	\$5.00	\$0.00	
Excavation - marsh zone - 1' average depth	square yard	-----	\$1.00	\$0.00	
Grading	square yard	-----	\$1.50	\$0.00	
Hauling off-site - 5' depth	square yard	-----	\$5.00	\$0.00	
Structural Components					
Inlet structure	each	-----	\$2,000.00	\$0.00	
Outlet structure	each	-----	\$3,500.00	\$0.00	
Site Restoration					
Sod - above vegetative bench	square yard	-----	\$4.50	\$0.00	
Soil preparation	square yard	-----	\$25.00	\$0.00	
Seeding - vegetative bench	square yard	-----	\$0.50	\$0.00	
Planting	square yard	-----	\$30.00	\$0.00	
				Subtotal	\$0.00
				10% Contingencies	\$0.00
				Subtotal	\$0.00
				Apply MN Location Factor	
TOTAL CONSTRUCTION COST					\$0.00

Annual Operation and Maintenance					
Debris removal	per visit	-----	\$100.00	\$0.00	
Remove invasive plants	per visit	-----	\$500.00	\$0.00	
Replant wetland vegetation	per plant	-----	\$10.00	\$0.00	
Repair erosion	square yard	-----	\$75.00	\$0.00	
Sediment removal and disposal	cubic yard	-----	\$10.00	\$0.00	
Mow	per visit	-----	\$150.00	\$0.00	
Gate / valve operation	per visit	-----	\$125.00	\$0.00	
Inspection	per visit	-----	\$125.00	\$0.00	
				Subtotal	\$0.00
				Apply MN Location Factor	
TOTAL ANNUAL O&M COST					\$0.00

Minnesota Location Factors	
Bemidji	0.963
Brainerd	1.003
Detroit Lakes	0.962
Duluth	0.991
Mankato	0.990
Minneapolis	1.035
Rochester	0.983
St. Paul	1.000
St. Cloud	1.002
Thief River Falls	1.042
Willmar	0.961
Windom	0.935

Note: Suggested unit costs are based on RSMeans prices for Spring, 2005, then factored into an area basis based on typical design features for Constructed Wetlands BMPs. To be used for preliminary cost estimation.