

Appendix F

BMP Cost Estimates

Table F-1. Preliminary Cost Estimate --Upgrade Existing Ponds to NURP Standards

Item	Unit	Estimated Quantity	Unit Price	Extention
Mobilization (5%)	L.S.	1	\$12,721	\$12,721
Basin Excavation	C.Y.	23442	\$10	\$234,417
Pond Restoration	Ac.	10	\$2,000	\$20,000
Subtotal				\$267,138
Engineering & Design (15%)				\$40,071
Contingencies (10%)				\$26,714
Total				\$333,923

Table F-2. Preliminary Cost Estimate -- Add Ponds into A7a-1 & A7b-1

Item	Unit	Estimated Quantity	Unit Price	Extention
Mobilization (5%)	L.S.	1	\$5,713	\$5,713
Flow Diversion Piping	L.S.	2	\$10,000	\$20,000
Clearing & Grubbing	Ac.	1.09	\$1,000	\$1,090
Basin Excavation	C.Y.	7099	\$10	\$70,987
Weir Outlet/Overflow Sturcture	L.S.	2	\$10,000	\$20,000
Pond Restoration	Ac.	1.09	\$2,000	\$2,180
Subtotal				\$119,970
Engineering & Design (15%)				\$17,995
Contingencies (10%)				\$11,997
Total				\$149,962

Table F-3. Preliminary Cost Estimate -- In-Lake Alum+Lime Application SE, SW, & NW Anderson Lakes
Southeast Anderson Lake

Item	Unit	Estimated Quantity	Unit Price	Extention
Mobilization (5%)	L.S.	1	\$5,569	\$5,569
Alum Application	Ac.	81	\$650	\$52,650
Lime Application	Ac.	81	\$ 725.00	\$58,725
Subtotal				\$116,944
Dosing Determination, Analytical	L.S.	1	\$10,000	\$10,000
Engineering & Design (15%)				\$17,542
Contingencies (10%)				\$11,694
Total				\$156,180

Southwest Anderson Lake

Item	Unit	Estimated Quantity	Unit Price	Extention
Mobilization (5%)	L.S.	1	\$7,563	\$7,563
Alum Application	Ac.	110	\$ 650.00	\$71,500
Lime Application	Ac.	110	\$ 725.00	\$79,750
Subtotal				\$158,813
Dosing Determination, Analytical	L.S.	1	\$10,000	\$10,000
Engineering & Design (15%)				\$23,822
Contingencies (10%)				\$15,881
Total				\$208,516

Northwest Anderson Lake

Item	Unit	Estimated Quantity	Unit Price	Extention
Mobilization (5%)	L.S.	1	\$12,719	\$12,719
Alum Application	Ac.	185	\$ 650.00	\$120,250
Lime Application	Ac.	185	\$ 725.00	\$134,125
Subtotal				\$267,094
Dosing Determination, Analytical	L.S.	1	\$10,000	\$10,000
Engineering & Design (15%)				\$40,064
Contingencies (10%)				\$26,709
Total				\$343,867

Table F-4. Preliminary Cost Estimate -- Yearly Endothal Treatments in SE, SW, & NW Anderson Lakes to Control Curlyleaf Pondweed

Southeast Anderson Lake

Item	Unit	Estimated Quantity	Unit Price	Extention
Mobilization (5%)	L.S.	1	\$1,337	\$1,337
Endothal Application	Ac.	81	\$330	\$26,730
Subtotal				\$28,067
Dosing Determination, Analytical	L.S.	1	\$10,000	\$10,000
Engineering & Design (15%)				\$4,210
Contingencies (10%)				\$2,807
Total				\$45,083

Southwest Anderson Lake

Item	Unit	Estimated Quantity	Unit Price	Extention
Mobilization (5%)	L.S.	1	\$1,815	\$1,815
Endothal Application	Ac.	110	\$330	\$36,300
Subtotal				\$38,115
Dosing Determination, Analytical	L.S.	1	\$10,000	\$10,000
Engineering & Design (15%)				\$5,717
Contingencies (10%)				\$3,812
Total				\$57,644

Northwest Anderson Lake

Item	Unit	Estimated Quantity	Unit Price	Extention
Mobilization (5%)	L.S.	1	\$3,053	\$3,053
Endothal Application	Ac.	185	\$330	\$61,050
Subtotal				\$64,103
Dosing Determination, Analytical	L.S.	1	\$10,000	\$10,000
Engineering & Design (15%)				\$9,615
Contingencies (10%)				\$6,410
Total				\$90,128

Note: Treatment acreages are estimates of the curlyleaf pondweed area.