Connection / Impact Fee Report

For The

BOYD, HERITAGE HILL, HOFFMAN, KIWANIS, LONGVIEW & MACCO PONDS

Prepared For The

VILLAGE OF ALLOUEZ

BROWN COUNTY, WISCONSIN

December 14, 2012
NAV

McMAHON ENGINEERS ARCHITECTS
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NEENAH, WISCONSIN

December 14, 2012
McM. No. A0012-900458

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I. INTRODUCTION

The Village of Allouez constructed the Boyd Pond, Heritage Hill Pond / Wetland, Hoffman Pond, Kiwanis Pond, Longview Pond and Macco Pond to improve stormwater quality, control peak discharge rates, and assist with Municipal (MS4) Stormwater Permit compliance. The Village was successful in receiving grant funding for the ponds through the Urban Non-Point Source & Stormwater Management (UNPS&SW) Grant Program and American Recovery and Reinvestment Act (ARRA) of 2009.

The purpose of this report is to calculate an appropriate connection or impact fee for each pond. Connection or impact fees are typically established as one-time charges to a developer (development or redevelopment site), property owner, or other MS4 permitted entity that desires to use one of the ponds to satisfy one or more stormwater management requirements. The connection or impact fee also provides the Village with a method to recover a part of the project's capital cost.

II. METHODOLOGY

The impervious area method was used to calculate the impact fee for each pond. With this method, the impact fee is calculated by dividing the total project cost by the total impervious area within the pond's contributing watershed. The total impervious area is calculated by multiplying the area of each land use within the pond's watershed by its

average percent imperviousness. The average percent imperviousness for each land use is based on the standard WinSLAMM land use files developed by the Wisconsin Department of Natural Resources (DNR).

III. RESULTS

The attached tables summarize the connection or impact fees for each pond.

Maps depicting the location of each wet detention pond and its contributing watershed are provided in Appendix A. Also, a more detailed cost summary for each pond is provided in Appendix A.

IV. SUMMARY

In summary, the connection or impact fees provided in this report can be used by the Village to recover some of the initial capital cost for each pond.

W:\PROJECTS\A0012\900458\10 - Revenue Sources\Pond Buy In Costs\Impact Fee Report.doc

McMAHON ENGINEERS ARCHITECTS

VILLAGE OF ALLOUEZ

Village of Allouez
Pond Buy In Costs
A0012-900458.10
December 4, 2012

Hoffman Pond "Buy In" Cost

Watershed Area:	169.56	acres
Maximum Impervious Surfaces in Watershed:	68.25	acres
2-year Runoff Volume:	15.07	acre-feet
TSS Generated:	38,497	lbs.
TSS Removed:	25,153	lbs.
Hoffman Pond Project Cost:	$309,700	

Buy In Costs:		
Watershed Area Method:	$1,827	per acre of watershed
Impervious Area Method:	$4,538	per acre of imperviousness
2-year Volume Method:	$20,547	per acre-foot
TSS Generated Method:	$8.04	per lbs. of TSS generated
TSS Removed Method:	$12.31	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Kiwanis Pond "Buy In" Cost

Watershed Area:	128.29	acres
Maximum Impervious Surfaces in Watershed:	49.01	acres
2-year Runoff Volume:	11.41	acre-feet
TSS Generated:	27,948	lbs.
TSS Removed:	20,694	lbs.
Kiwanis Pond Project Cost:	$227,500	

Watershed Area Method:	$1,773	per acre of watershed
Impervious Area Method:	$4,642	per acre of imperviousness
2-year Volume Method:	$19,943	per acre-foot
TSS Generated Methold:	$8.14	per lbs. of TSS generated
TSS Removed Method:	$10.99	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Macco Pond "Buy In" Cost

Watershed Area:	269.70	acres
Maximum Impervious Surfaces in Watershed:	122.79	acres
2-year Runoff Volume:	25.89	acre-feet
TSS Generated:	62,882	lbs.
TSS Removed:	49,846	lbs.
Macco Pond Project Cost:	$1,152,600	

Watershed Area Method:	$4,274	per acre of watershed
Impervious Area Method:	$9,387	per acre of imperviousness
2-year Volume Method:	$44,511	per acre-foot
TSS Generated Method:	$18.33	per lbs. of TSS generated
TSS Removed Method:	$23.12	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Boyd Pond "Buy In" Cost

Watershed Area:	117.34	acres
Maximum Impervious Surfaces in Watershed:	48.99	acres
2-year Runoff Volume:	10.92	acre-feet
TSS Generated:	28,184	lbs.
TSS Removed:	21,508	lbs.
Boyd Pond Project Cost:	$183,500	

Watershed Area Method:	$1,564	per acre of watershed
Impervious Area Method:	$3,746	per acre of imperviousness
2-year Volume Method:	$16,800	per acre-foot
TSS Generated Method:	$6.51	per lbs. of TSS generated
TSS Removed Method:	$8.53	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Longview Pond "Buy In" Cost

Watershed Area:	203.69	acres
Maximum Impervious Surfaces in Watershed:	74.75	acres
2-year Runoff Volume:	17.74	acre-feet
TSS Generated:	30,387	lbs.
TSS Removed:	24,720	lbs.
Longview Pond Project Cost:	$548,200	

Watershed Area Method:	$2,691	per acre of watershed
Impervious Area Method:	$7,334	per acre of imperviousness
2-year Volume Method:	$30,905	per acre-foot
TSS Generated Method:	$18.04	per lbs. of TSS generated
TSS Removed Method:	$22.18	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Heritage Hill Regional Pond "Buy In" Cost

Watershed Area:	394.11	acres
Maximum Impervious Surfaces in Watershed:	167.04	acres
2-year Runoff Volume:	36.88	acre-feet
TSS Generated:	93,890	lbs.
TSS Removed:	60,745	lbs.
Heritage Hill Regional Pond Project Cost:	$1,051,400	

Watershed Area Method:	$2,668	per acre of watershed
Impervious Area Method:	$6,294	per acre of imperviousness
2-year Volume Method:	$28,508	per acre-foot
TSS Generated Method:	$11.20	per lbs. of TSS generated
TSS Removed Method:	$17.31	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

McMAHON ENGINEERS ARCHITECTS

Village of Allouez
Pond Buy In Costs
A0012-900458.10
December 4, 2012

VILLAGE OF ALLOUEZ

Pond Project Overall "Buy In" Cost

Watershed Area:	1,282.68	acres
Maximum Impervious Surfaces in Watershed:	530.83	acres
2-year Runoff Volume:	117.92	acre-feet
TSS Generated:	281,788	lbs.
TSS Removed:	202,666	lbs.
Village of Allouez Pond Project Costs:	3,472,900	

Watershed Area Method:	$2,708	per acre of watershed
Impervious Area Method:	$6,542	per acre of imperviousness
2-year Volume Method:	$29,452	per acre-foot
TSS Generated Method:	$12.32	per lbs. of TSS generated
TSS Removed Method:	$17.14	per lbs. of TSS removed

Notes:

1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Cost Method Considerations

Impervious Area Method
* Method does not consider runoff volume, soil types, or poorly drained soils
* Concept is identical to the ERU method that is used for the Town's Stormwater Utility
* Fewer calculations are needed, easier for Town Staff to manage

Watershed Area Method
* Method does not consider land use, imperviousness, runoff volume, soil types, or poorly drained soils
* Residential will pay more and commercial will pay less than the amount of runoff generated by the site.
* Least accurate of the four methods used to develop a "buy-in" cost for the Cold Spring Pond.
* Fewest calculations are needed, easiest for Town Staff to manage

2-Year Runoff Volume Method
* 2-year design storm is typically a stormwater quality and stream erosion indicator
* Method takes into consideration land use, imperviousness, runoff volume, soil types, and poorly drained soils
* Concept takes into consideration the ERU method that is used for the Town's Stormwater Utility
* Engineering calculations are required to determine the 2-year runoff volume

TSS Method
* Concept is based upon storms up to the 2-year design storm
* Method takes into consideration land use, imperviousness, runoff volume, soil types, and poorly drained soils
* Engineering calculations are required to determine the TSS generated or TSS reduction required

McMAHON ENGINEERS ARCHITECTS

VILLAGE OF ALLOUEZ

Village of Allouez
Pond Buy In Costs
A0012-900458.10
December 4, 2012

Hoffman Pond "Buy In" Cost
Project Cost Includes UNPS&SW and ARRA Grant Funds Cost Reduction (Future Land Use)

Watershed Area:	169.56	acres
Maximum Impervious Surfaces in Watershed:	68.25	acres
2-year Runoff Volume:	15.07	acre-feet
TSS Generated:	38,497	lbs.
TSS Removed:	25,153	lbs.
Hoffman Pond Project Cost:	$83,400	

Buy In Costs:		
Watershed Area Method:	$492	per acre of watershed
Impervious Area Method:	$1,222	per acre of imperviousness
2-year Volume Method:	$5,533	per acre-foot
TSS Generated Method:	$2.17	per lbs. of TSS generated
TSS Removed Method:	$3.32	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Kiwanis Pond "Buy In" Cost
Project Cost Includes UNPS&SW and ARRA Grant Funds Cost Reduction (Future Land Use)

Watershed Area:	128.29	acres
Maximum Impervious Surfaces in Watershed:	49.01	acres
2-year Runoff Volume:	11.41	acre-feet
TSS Generated:	27,948	lbs.
TSS Removed:	20,694	lbs.
Kiwanis Pond Project Cost:	$50,200	

Watershed Area Method:	$391	per acre of watershed
Impervious Area Method:	$1,024	per acre of imperviousness
2-year Volume Method:	$4,401	per acre-foot
TSS Generated Methold:	$1.80	per lbs. of TSS generated
TSS Removed Method:	$2.43	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Macco Pond "Buy In" Cost
Project Cost Includes UNPS&SW Grant Funds Cost Reduction (Future Land Use)

Watershed Area:	269.70	acres
Maximum Impervious Surfaces in Watershed:	122.79	acres
2-year Runoff Volume:	25.89	acre-feet
TSS Generated:	62,882	lbs.
TSS Removed:	49,846	lbs.
Macco Pond Project Cost:	$1,010,500	

Watershed Area Method:	$3,747	per acre of watershed
Impervious Area Method:	$8,230	per acre of imperviousness
2-year Volume Method:	$39,023	per acre-foot
TSS Generated Method:	$16.07	per lbs. of TSS generated
TSS Removed Method:	$20.27	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

McMAHON ENGINEERS ARCHITECTS

Village of Allouez
Pond Buy In Costs
A0012-900458.10
December 4, 2012

VILLAGE OF ALLOUEZ

Boyd Pond "Buy In" Cost

Project Cost Includes UNPS&SW Grant Funds Cost Reduction (Future Land Use)

Watershed Area:	117.34	acres
Maximum Impervious Surfaces in Watershed:	48.99	acres
2-year Runoff Volume:	10.92	acre-feet
TSS Generated:	28,184	lbs.
TSS Removed:	21,508	lbs.
Boyd Pond Project Cost:	$102,800	

Watershed Area Method:	$876	per acre of watershed
Impervious Area Method:	$2,098	per acre of imperviousness
2-year Volume Method:	$9,412	per acre-foot
TSS Generated Method:	$3.65	per lbs. of TSS generated
TSS Removed Method:	$4.78	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Longview Pond "Buy In" Cost

Project Cost Includes UNPS&SW Grant Funds Cost Reduction (Future Land Use)

Watershed Area:	203.69	acres
Maximum Impervious Surfaces in Watershed:	74.75	acres
2-year Runoff Volume:	17.74	acre-feet
TSS Generated:	30,387	lbs.
TSS Removed:	24,720	lbs.
Longview Pond Project Cost:	$399,500	

Watershed Area Method:	$1,961	per acre of watershed
Impervious Area Method:	$5,344	per acre of imperviousness
2-year Volume Method:	$22,522	per acre-foot
TSS Generated Method:	$13.15	per lbs. of TSS generated
TSS Removed Method:	$16.16	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Heritage Hill Regional Pond "Buy In" Cost

Project Cost Includes UNPS&SW and ARRA Grant Funds Cost Reduction (Future Land Use)

Watershed Area:	394.11	acres
Maximum Impervious Surfaces in Watershed:	167.04	acres
2-year Runoff Volume:	36.88	acre-feet
TSS Generated:	93,890	lbs.
TSS Removed:	60,745	lbs.
Heritage Hill Regional Pond Project Cost:	$553,600	

Watershed Area Method:	$1,405	per acre of watershed
Impervious Area Method:	$3,314	per acre of imperviousness
2-year Volume Method:	$15,011	per acre-foot
TSS Generated Method:	$5.90	per lbs. of TSS generated
TSS Removed Method:	$9.11	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
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McMAHON ENGINEERS ARCHITECTS

Village of Allouez
Pond Buy In Costs
A0012-900458.10
December 4, 2012

Pond Project Overall "Buy In" Cost
Project Cost Includes UNPS&SW and ARRA Grant Funds Cost Reduction (Future Land Use)

Watershed Area:	1,282.68	acres
Maximum Impervious Surfaces in Watershed:	530.83	acres
2-year Runoff Volume:	117.92	acre-feet
TSS Generated:	281,788	lbs.
TSS Removed:	202,666	lbs.
Village of Allouez Pond Project Costs:	2,200,000	

Watershed Area Method:	$1,715	per acre of watershed
Impervious Area Method:	$4,144	per acre of imperviousness
2-year Volume Method:	$18,657	per acre-foot
TSS Generated Method:	$7.81	per lbs. of TSS generated
TSS Removed Method:	$10.86	per lbs. of TSS removed

Notes:
1. The Pond Buy In Cost Rate is to be used for Development Site Post-Construction Stormwater Management requirements.
2. The Pond Buy In Cost is calculated by using the 'Buy in Cost' Parameter for the Development and multiply by the Buy In Cost Rate per acre, acre-foot or lb of TSS.
3. The Pond Watershed Map, Figure 15 from the Village's Stormwater Management Plan is attached.

Cost Method Considerations

Impervious Area Method
* Method does not consider runoff volume, soil types, or poorly drained soils
* Concept is identical to the ERU method that is used for the Town's Stormwater Utility
* Fewer calculations are needed, easier for Town Staff to manage

Watershed Area Method
* Method does not consider land use, imperviousness, runoff volume, soil types, or poorly drained soils
* Residential will pay more and commercial will pay less than the amount of runoff generated by the site.
* Least accurate of the four methods used to develop a "buy-in" cost for the Cold Spring Pond.
* Fewest calculations are needed, easiest for Town Staff to manage

2-Year Runoff Volume Method
* 2-year design storm is typically a stormwater quality and stream erosion indicator
* Method takes into consideration land use, imperviousness, runoff volume, soil types, and poorly drained soils
* Concept takes into consideration the ERU method that is used for the Town's Stormwater Utility
* Engineering calculations are required to determine the 2-year runoff volume

TSS Method
* Concept is based upon storms up to the 2-year design storm
* Method takes into consideration land use, imperviousness, runoff volume, soil types, and poorly drained soils
* Engineering calculations are required to determine the TSS generated or TSS reduction required

APPENDIX A

Pond Watershed Map & Cost Breakdown

VILLAGE OF ALLOUEZ

Boyd Pond

Macco Pond

Heritage Hill Pond

Hoffman Pond

Kiwanis Pond

Longview Pond

Fox River

East River

X

XX

0

57

172

Structural BMP's

- Existing BMP Watershed
- Pond Location

Other Mapped Features

- Municipal Boundary
- Right-of-Way
- Rivers and Streams
- Surface Water

Source: Brown County, 2010-2012.

Disclaimer: The property lines, right-of-way lines, and other property information on this drawing were developed or obtained as part of the County Geographic Information System or through the County property tax mapping function. McMahon does not guarantee this information to be correct, current, or complete. The property and right-of-way information are only intended for use as a general reference and are not intended or suitable for site-specific uses. Any use to the contrary of the above stated uses is the responsibility of the user and such use is at the user's own risk.

N

0 2,000 4,000 Feet

McMAHON ENGINEERS ARCHITECTS

FIGURE 15
EXISTING BMPs
STORM WATER MANAGEMENT PLAN
VILLAGE OF ALLOUEZ
BROWN COUNTY, WISCONSIN

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Stormwater Pond Buy In Costs
Existing Ponds Total Project Costs
Village of Allouez, Wisconsin
A0012-900458.10
December, 2012

Pond Project	Project Costs	UNPS&SW Funds	ARRA Funds	Reduced Cost
Hoffman	$ 309,616.18	$ 115,058.00	$ 111,229.50	$ 83,328.68
Kiwanis	$ 227,477.25	$ 90,350.00	$ 86,959.50	$ 50,167.75
Macco	$ 1,152,557.27	$ 142,111.48		$ 1,010,445.79
Boyd	$ 183,416.10	$ 80,669.51		$ 102,746.59
Longview	$ 548,117.36	$ 148,642.50		$ 399,474.86
Heritage Hill	$ 1,051,396.16	$ 120,000.00	$ 377,835.00	$ 553,561.16
	$ 3,472,580.32	$ 696,831.49	$ 576,024.00	$ 2,199,724.83

Hoffman Pond - Final Project Costs

Item	ARRA Budget	Actual Costs	UNPS&SW Grant	Max. Reimb. (50%)
Preliminary Planning	$ -	$ 8,942.30		$ -
Design & Permitting	$ 21,000.00	$ 26,327.03	$ 8,400.00	$ 6,300.00
Permit Fee	$ -	$ -		$ -
Land/Easement	$ -	$ -		$ -
Legal/Appraisal	$ -	$ -		$ -
Bond Councel	$ -	$ -		$ -
Const Mgt.	$ 29,500.00	$ 23,240.12	$ 11,800.00	$ 8,850.00
Construction	$ 249,003.00	$ 236,766.20	$ 94,858.00	$ 77,072.50
2012 Ecological Services (SAB)	$ -	$ 4,722.45		$ -
Additional Clay Liner	$ 13,000.00	$ -		$ 6,500.00
Additional Dewatering	$ 5,000.00	$ -		$ 2,500.00
Add'l Excav. For Liner	$ 10,000.00	$ -		$ 5,000.00
Admin.	$ 1,000.00	$ 1,000.00		$ 500.00
Soil Borings	$ 2,014.00	$ 2,014.00		$ 1,007.00
ARRA Sign	$ 1,000.00			$ 500.00
WI DNR Certification	$ -	$ 627.50		$ -
CWF Application	$ -	$ -		$ -
CWF Constuction	$ 6,000.00	$ 5,976.58		$ 3,000.00
	$ 337,517.00	$ 309,616.18	$ 115,058.00	$ 111,229.50
		awarded	*$ 120,000.00*	

Total Costs	$	309,616.18
UNPS&SW Funding	$	115,058.00
ARRA Funding	$	111,229.50
Hoffman Pond Cost	**$**	**83,328.68**

(DNR intends to fully pay ARRA budget amount)

: Costs by McMahon

: Costs by Others

: Costs by Village (anticipated) from ARRA Budget

Kiwanis Pond - Final Project Costs

Item	ARRA Budget	Actual Costs	UNPS&SW Grant	Max. Reimb. (50%)
Preliminary Planning	$ -	$ 6,547.37		$ -
Design & Permitting	$ 20,000.00	$ 26,232.26	$ 8,000.00	$ 6,000.00
Permit Fee	$ -	$ -		$ -
Land/Easement	$ -	$ -		$ -
Legal/Appraisal	$ -	$ -		$ -
Bond Councel	$ -	$ -		$ -
Const Mgt.	$ 22,000.00	$ 16,416.82	$ 8,800.00	$ 6,600.00
Construction	$ 193,069.00	$ 165,255.31	$ 73,550.00	$ 59,759.50
2012 Ecological Services (SAB)	$ -	$ 4,025.95		
Additional Liner	$ 7,200.00	$ -		$ 3,600.00
Add'l Excav. For Liner	$ 10,000.00	$ -		$ 5,000.00
Added Pavement	$ 2,000.00	$ -		$ 1,000.00
Admin.	$ 1,000.00	$ 1,000.00		$ 500.00
Soil Borings	$ 2,000.00	$ 1,954.00		$ 1,000.00
ARRA Sign	$ 1,000.00			$ 500.00
CWF Application	$ -	$ -		$ -
CWF Constuction	$ 6,000.00	$ 6,045.54		$ 3,000.00
	$ 264,269.00	$ 227,477.25	$ 90,350.00	$ 86,959.50
		awarded	*$ 119,480.00*	

Total Costs	$	227,477.25
UNPS&SW Funding	$	90,350.00
ARRA Funding	$	86,959.50
Kiwanis Pond Cost	**$**	**50,167.75**

(DNR intends to fully pay ARRA budget amount)

: Costs by McMahon

: Costs by Others

: Costs by Village (anticipated) from ARRA Budget

Macco Pond - Final Project Costs

Item	Actual Costs	UNPS&SW Grant
Phase I ESA	$ 1,900.00	
Design & Permitting	$ 24,999.86	
Re-Design/Survey	$ 18,561.30	
Permit Fee	$ 235.00	
Land/Easement	$ 471,800.00	$ 50,000.00
Legal/Appraisal	$ -	
Archaeological Investigation	$ 1,687.79	
Const Mgt.	$ 30,160.74	
Construction	$ 593,150.10	$ 92,111.48
2012 Ecological Services (SAB)	$ 4,263.62	
MES	$ 10.39	
WPS Work	$ 2,860.87	
Admin.	$ 1,000.00	
Soil Borings	$ 1,927.60	
	$ 1,152,557.27	$ 142,111.48
	awarded	*$ 150,000.00*

Total Costs	$	1,152,557.27
UNPS&SW Funding	$	142,111.48
Macco Pond Cost	**$**	**1,010,445.79**

: Costs by McMahon
: Costs by Others
: Costs by Village

Boyd Pond - Final Project Costs

Item	Actual Costs	UNPS&SW Grant
Design & Permitting	$ 15,056.04	$ 9,315.00
Permit Fee	$ 640.00	
Land/Easement	$ -	
Legal/Appraisal	$ -	
Const Mgt.	$ 12,937.59	$ 8,005.00
Construction	$ 143,528.40	$ 63,349.51
2012 Ecological Services (SAB)	$ 3,317.64	
Landscaping	$ 4,911.50	
Lakeshore Cleaners - Spray	$ 86.94	
MES	$ 10.39	
Admin.	$ 1,000.00	
Soil Borings	$ 1,927.60	
	$ 183,416.10	$ 80,669.51
	awarded	*$ 120,250.00*

Total Costs	$	183,416.10
UNPS&SW Funding	$	80,669.51
Boyd Pond Cost	**$**	**102,746.59**

: Costs by McMahon
: Costs by Others
: Costs by Village

Longview Pond - Final Project Costs

Item	Actual Costs	UNPS&SW Grant	
Design & Permitting	$ 19,998.12		
Permit Fee	$ 535.00		
Land/Easement	$ -		
Legal/Appraisal	$ -		
Const Mgt.	$ 17,955.13	$ 20,642.50	*per request #1 only
Construction	$ 493,771.68	$ 128,000.00	
2012 Ecological Services (SAB)	$ 2,078.88		
Landscaping	$ 7,739.25		
Fence	$ 860.00		
Lakeshore Cleaners - Spray	$ 358.05		
MES	$ 10.40		
NEA Paving	$ 1,883.25		
Admin.	$ 1,000.00		
Soil Borings	$ 1,927.60		
	$ 548,117.36	$ 148,642.50	
	awarded	*$ 150,000.00*	

Total Costs	$	548,117.36
UNPS&SW Funding	$	148,642.50
Longview Pond Cost	**$**	**399,474.86**

: Costs by McMahon
: Costs by Others
: Costs by Village

Heritage Hill - Final Project Costs

Item	ARRA Budget	Actual Costs	UNPS&SW Grant	Village Internal Funds	Max. Reimb. (50%)
Plans/Specs	$ 60,000.00	$ 59,695.60	$ 15,000.00	$ 10,000.00	$ 17,500.00
Design & Permitting	$ 40,000.00	$ 40,000.00		$ 40,000.00	$ -
Permit Fee	$ 1,300.00	$ 2,458.50		$ 1,300.00	$ -
Land/Easement	$ 103,000.00	$ 103,000.00		$ 103,000.00	$ -
Legal/Appraisal	$ 2,000.00	$ 2,000.00		$ 2,000.00	$ -
Bond Councel	$ 6,000.00	$ 6,000.00		$ 6,000.00	$ -
Const Mgt.	$ 50,000.00	$ 50,000.00	$ 25,000.00	$ 6,000.00	$ 9,500.00
Construction	$ 781,670.00	$ 773,621.41	$ 80,000.00	$ -	$ 350,835.00
Landfill Disposal	$ 10,000.00			$ 10,000.00	$ -
Admin.	$ 2,000.00	$ 2,000.00		$ 2,000.00	$ -
Soil Borings	$ 3,125.00	$ 3,125.00		$ 3,125.00	$ -
CWF Application	$ 4,000.00	$ 3,995.65		$ 4,000.00	$ -
CWF Constuction	$ 5,500.00	$ 5,500.00		$ 5,500.00	$ -
	$ 1,068,595.00	$ 1,051,396.16	$ 120,000.00	$ 192,925.00	$ 377,835.00
		awarded	*$ 120,000.00*		

Total Costs	$ 1,051,396.16
UNPS&SW Funding	$ 120,000.00
ARRA Funding	$ 377,835.00
Heritage Hill Pond Cost	**$ 553,561.16**

(DNR intends to fully pay ARRA budget amount)

: Costs by McMahon

: Costs by Others

: Costs by Village (anticipated) from ARRA Budget

: Anticipated final Costs