



BOARD MEETING

October 10, 2012 - 5:30 p.m.

Revised Agenda

Polk County Administration Bldg.
111 Court Avenue, Room 120
Des Moines, IA 50309

AGENDA

The information identified on this agenda may be obtained in accessible formats by qualified persons with a disability. To receive information or to request an accommodation to participate in a meeting, hearing, service, program or activity conducted by this office, contact the Polk County Conservation Board Office, 11407 NW Jester Park Drive, Granger, 515-323-5300.

1) Opening Items

- a) Roll Call
- b) Action on the Minutes of the Previous Meeting(s)

2) Consent Agenda Items

Note: These are routine items and will be enacted by one roll call vote without separate discussion unless a Board Member, PCCB employee or member of the public requests an item be removed to be considered separately. Please notify a PCCB Member to have an item removed.

- a) **Action on Bill List:** approve the PCCB/Enterprise Fund September 2012 expenditures
- b) **Seasonal Employees:** approve the presented list of individuals for seasonal employment with Polk County Conservation
- c) **County Auction:** approve the presented list of PCCB items to be sold at the Polk County Auction on October 27, 2012
- d) **Employee Salary Adjustment:** approve a salary adjustment not to exceed 4% of his current salary or the approved maximum salary for Dennis Crowley
- e) **Employee Manual Revisions:** approve the presented revisions to the Holiday, Hours of Work and Position Status Definitions sections of the PCCB Employee Manual.
- f) **Trails and Greenways Committee:** resolve that the Board approves of the addition of any Polk County community that wishes to have representation on the Trails and Greenways Committee (TAG) to have that opportunity.
- g) **Yellow Banks Park, MidAmerican Energy Easement:** staff publishing notice of public hearing being held at the PCCB's November 14, 2012 meeting on the conveyance of land at Yellow Banks Park located near the ball fields for easement to MidAmerican Energy.

3) Four Mile Creek Watershed

4) Easter Lake Watershed

5) Grant Update

6) Budget Update

7) Polk County's Water and Land Legacy Bond Update

8) Employee Introductions



BOARD MEETING

PUBLIC COMMENTS
FINANCIAL REPORTS
DISCUSSION & REMARKS
ADJOURNMENT

1) Opening Items

a) Roll Call

b) Action on the Minutes of the Previous Meeting(s)

The Polk County Conservation Board met in regular session on September 12, 2012. Minutes for the meeting are attached.

2) Consent Agenda Items

a) Action on the Bill List

September 2012 expenditures have been e-mailed to the Board for review.

STAFF RECOMMENDATION: That the Board approve the PCCB/Enterprise Fund September 2012 expenditures.

b) Seasonal Employees

The following is a list of individual(s) hired for seasonal employment with Polk County Conservation. According to the PCCB's Bylaws their employment is to have Board approval.

<u>Hire date</u>	<u>Name</u>	<u>Position</u>	<u>Area</u>	<u>Hourly rate</u>
9/29/12	Adam Choat	Park Officer	PAU	\$20.49

STAFF RECOMMENDATION: That the Board approve the presented list of individuals for seasonal employment with Polk County Conservation.

c) County Auction

Each October for the past several years, Polk County has held an annual equipment surplus sale and PCCB has participated. This year's fall auction will be held on Saturday October 27th. The auction will be held at the Greenfield Auction Site, 3920 Dixon, Des Moines, Iowa. The attached is a list of obsolete/non-usable items to be disposed of at this year's fall auction contingent upon board approval.

STAFF RECOMMENDATION: That the Board approve the presented list of PCCB items to be sold at the Polk County Auction on October 27, 2012.

d) Employee Salary Adjustment

According to the PCCB Employee Manual the Board is to approve salary adjustments for employees classified as management/supervisory. Salary

adjustments shall not exceed 4% of the employee's current salary or the approved maximum salary. The following employee is due for their annual performance appraisal:

Dennis Crowley, Barn Manager (current salary - \$50,268)

STAFF RECOMMENDATION: That the Board approve a salary adjustment not to exceed 4% of his current salary or the approved maximum salary for Dennis Crowley.

e) Employee Manual Revisions

Part of a meeting held with Mike Campbell, County HR Dept., included discussion on PCCB employees classified as management/ supervisory that work on a County holiday. Our current policy states that if a management/supervisory employee is required to work on any recognized paid holiday, he/she shall be paid at a rate of two times his/her regular pay for the time worked on the holiday, in addition to the employees holiday pay.

It was our understanding that other employees in the county classified as management/supervisory followed this same policy. Campbell explained that the management/supervisory staff who receive two times their pay for working on a recognized holiday are employees with a job assignment having regularly scheduled twenty-four (24) hours of assigned shifts.

With this in mind, staff is proposing that management/supervisory classified employees not receive two times their pay for working on a recognized holiday. The following identifies (with strike through) the language under the Holiday section of the PCCB Employee Manual that would be removed:

~~Management/Supervisory employees shall be paid at the Employee's regular hourly rate for eight (8) hours for each of the holidays set forth which they are actively employed. If required to work on any recognized paid holiday, he/she shall be paid at a rate of two times his/her regular pay for the time worked on the holiday, in addition to the employees holiday pay.~~

Staff is also proposing a change to the Hours of Work section of the Employee Manual. The change is to remove the following paragraph and replace it with the language identified in red text.

~~Flexibility in the regular workday is permitted, as scheduled/approved by supervisor providing operational efficiency is maintained. Supervisors are to inform the PCCB office and Director of changes to the regular workday schedules.~~
Supervisors have the ability to assign flexible work schedules within the workweek.

The last revision is to the Position Status Definitions section of the Employee Manual. Effective July 1, 2012 the County made changes to the eligibility of flexible dollars. Those changes currently are identified in our Manual under the Flexible Benefit Program section. Since the new guidelines relate to the eligibility of future full-time and part-time (32) employees for flex dollars the receiving of flex dollars should no

longer be mentioned in the areas identified below. Language to be removed is identified with strike through.

Full-Time Employee (permanent) – any employee who fills a position whereby the PCCB has approved an annual base salary, who has annual average work hours of forty hours per week or equal to or more than 2,080 hours annually. Receives benefits. ~~and flex dollars.~~

Part-Time (32) (permanent) – any employee whose annual average weekly work hours are 32 or more (1,664) but less than 40 hours (2,080). Receives benefits. ~~and flex dollars.~~

STAFF RECOMMENDATION: That the Board approve the presented revisions to the Holiday, Hours of Work and Position Status Definitions sections of the PCCB Employee Manual.

f) Trails and Greenways Committee

The PCCB and the City of Des Moines set up the Trails and Greenways Committee (TAG) with the intent that they would advise the Des Moines Park and Recreation Board and the PCCB on issues affecting water and land trails in the Metro and Polk County.

Since that original group was formed, West Des Moines, Urbandale, Ankeny, Johnston and Altoona have all joined. The Pleasant Hill City Council has requested that Pleasant Hill also be allowed to join the Committee. They have sent a written request to the group.

As a founding agency, we have been asked to approve of that request. Staff wishes to requests that the Board approve any Polk County community wanting to join the Committee.

STAFF RECOMMENDATION: That the PCCB resolve that the Board approves of the addition of any Polk County community that wishes to have representation on the Trails and Greenways Committee (TAG) to have that opportunity.

g) Yellow Banks Park, MidAmerican Energy Easement

Mid-American Energy is requesting to re-locate the main feeder wire to the Yellow Banks Park ball field area transformer. This service is for the ball field concession building as well as a Polk County Emergency siren. The existing underground service wire has failed several times and needs to be replaced. They will be able to extend this new line from a closer transformer setting which is the reason for the easement change. Mid-American will cover all the costs for the upgrade and PCC staff has reviewed the easement realignment and approve of the change. This will be to the PCCB's advantage for future needs as well.

STAFF RECOMMENDATION: That the Board approve staff publishing notice of public hearing being held at the PCCB's November 14, 2012 meeting on the conveyance

of land at Yellow Banks Park located near the ball fields for easement to MidAmerican Energy.

3) Four Mile Creek Watershed

Mark Land with Snyder and Associates will be providing a presentation to the Board on the Four Mile Creek Watershed.

4) Easter Lake Watershed

Staff will be giving a presentation on the Easter Lake Watershed that was given to the Board of Supervisors on October 3. Attached is the Easter Lake Water Quality Management Plan – Draft Final Review Copy

Staff will also request support for grant application related to this project. Information on the grant is as follows...

The assembled partners working on the rehabilitation of Easter Lake and its watershed concluded that an application to the Iowa Department of Natural Resources (DNR) for 319 funding of the project was needed to fund the initial phase of the project.

It was determined that the Polk County Soil and Water Conservation District (PCSWCD) was the logical lead agency to apply for the grant. They have the facilities to house a coordinator, the ability to hire staff, and the previous experience working with 319 funding necessary to effectively administer the grant. An important part of this grant is the hiring of a watershed coordinator position.

The PCSWCD is the applicant but other partners in the grant in addition to the PCCB are the City of Des Moines, DNR, Natural Resources Conservation Service, and Iowa Department of Agriculture and Land Stewardship.

All partners have a financial stake in this grant. The total project budget for the initial phase is \$1,851,130.00. The attached documents (hard copy to be presented at the Board meeting) detail the financial commitments of all partners and show the PCCB as having a three year commitment of \$33,262.50 per year, a total of \$99,787.50 over the three year grant period. That commitment is equal to 5.4% of the grant total.

If the application is successful, the grant monies would be available and our contribution would be expected beginning at the start of the 2014 fiscal year.

STAFF RECOMMENDATION: That the Board authorize staff to commit the necessary funds toward the partnership grant application related to the Easter Lake Watershed project and if the grant is successful, to participate in the project at the above level of funding.

5) Grant Update

Staff is considering submitting applications for two small grants this fall and would like to inform the Board of those potential grant opportunities.

Neither grant requires the dedication of matching funds. Staff may choose to commit a modest sum of Chichaqua hay revenues toward the Iowa Wildlife Diversity Grant to make that grant more competitive. A commitment of those funds toward research at Chichaqua is one of the acceptable uses under our agreement with the NRCS.

- 1) Water Trails Site Planning and Work Crew Assistance Grant - due November 30, 2012
The DNR has encouraged PCC to apply for assistance from the DNR to design an approach to the siltation problems at the Yellow Banks boat ramp. The ramp has silted in each year and is currently inoperable. The DNR Water Trails staff believe that an alternative design would address that problem. We will be asking that they commit engineering time to design such a solution. There is no cost to the PCCB if the grant is successful.

- 2) Iowa Wildlife Diversity Grant - due December 15, 2012
Staff anticipates applying for a grant to improve herptile habitat at the Sand Hill Unit of Chichaqua. In the early 2000's a population of ornate box turtles were relocated to Sand Hill from the Iowa City area. That population has been under study since that time. The habitat where the animals were released has become too dense for optimal habitat. The grant asking is the maximum allowed for a diversity grant or \$2,500. Drake University has offered to match that amount with student labor dedicated to thinning and modifying the existing habitat to improve conditions for the turtles. We would also like to construct one or more hibernacula for snakes on the south facing slopes of the unit to provide better habitat for the diverse snake population. Staff anticipates a total grant of \$7,500 of which \$2,500 would be from Chichaqua hay revenues.

Information only.

6) Budget Update

Revenue Estimates were turned into the Board of Supervisors (BOS) Budget Staff on October 1, 2012. Revenue estimates are down from the current fiscal year since we have no new grants for the operating budget in FY13/14 at this time. Also, FEMA revenues have been a big part of the last two year revenues and they have all been budgeted at this point. REAP and Trail grants are not a part of this portion of the budgeting process, I will add those later. We have also taken the GOF grant out of our books and will work directly with the GOF to receive payment on these grants. We have also been able to protect more of our donations from individuals and corporations and those are now being deposited into protected funds which are not a part of the operating budget.

The next step I will be meeting with each of the managers and going over their needs for the FY13/14. We won't be getting our target budget from the BOS Budget Staff until October 15th, so I will be asking them where they could make cuts if need be or where they could use an increase if we were to get a budget increase. The final detailed budget is due to the BOS Budget Staff on November 5th, they have allowed us to turn ours in after our November board meeting so you will have a chance to go over it before we submit it to the BOS.

I have attached a copy of the Revenue Estimates for you.

- Carol Ann Carlson
Accountant

7) Polk County's Water and Land Legacy Bond Update

Chair Levis and Director Parker will provide update at the meeting.

8) Employee Introductions

PROCEEDINGS OF THE POLK COUNTY CONSERVATION BOARD

The Polk County Conservation Board met in regular session on Wednesday, September 12, 2012. The meeting was called to order at 5:29 p.m.

#1a – Roll Call

Board Present: Levis, Smith, Kurovski, Cataldo
Board Absent: McEnany

#1b – Action on the Minutes of the Previous Meeting(s)

IT WAS MOVED BY CATALDO THAT THE POLK COUNTY CONSERVATION BOARD SHALL APPROVE THE AUGUST 8, 2012 MEETING MINUTES AS WRITTEN.

VOTE YEA: SMITH, LEVIS, KUROVSKI, CATALDO

#2 – Consent Agenda Item

IT WAS MOVED BY SMITH THAT THE POLK COUNTY CONSERVATION BOARD APPROVE THE FOLLOWING CONSENT AGENDA ITEMS:

- A) PCCB/ENTERPRISE FUND AUGUST 2012 EXPENDITURES;**
- B) PRESENTED LIST OF INDIVIDUALS FOR SEASONAL EMPLOYMENT WITH POLK COUNTY CONSERVATION;**
- C) JESTER PARK EQUESTRIAN CENTER “RULES FOR BOARDERS” AS REVISED;**
- D) CONTRACT WITH SNYDER & ASSOCIATES FOR THE DESIGN AND CONSTRUCTION SERVICES RELATED TO THE CHICHAQUA VALLEY TRAIL CONNECTOR AND AUTHORIZE THE PCCB CHAIR TO SIGN THE CONTRACT.**

VOTE YEA: SMITH, KUROVSKI, LEVIS, CATALDO

#3 – Eagle Roost Wildlife Area, 28E Agreement with the IA DOT

IT WAS MOVED BY CATALDO THAT THE POLK COUNTY CONSERVATION BOARD APPROVE AUTHORIZING THE PCCB CHAIR TO SIGN THE 28E AGREEMENT WITH THE IOWA DEPARTMENT OF TRANSPORTATION RELATED

TO POLK COUNTY CONSERVATION BOARD'S EAGLE ROOST WIDLIFE AREA AND IF NECESSARY REQUEST THE BOARD OF SUPERVISORS TO ALSO ENDORSE THE AGREEMENT.

VOTE YEA: CATALDO, KUROVSKI, SMITH, LEVIS

#4 – Polk County Water and Land Legacy Public Information & Education

IT WAS MOVED BY KUROVSKI THAT THE POLK COUNTY CONSERVATION BOARD APPROVE PCCB PROVIDING FUNDS IN THE AMOUNT OF \$65,000 TO THE IOWA NATURAL HERITAGE FOUNDATION FOR THE PURPOSES OF EDUCATING THE VOTERS OF POLK COUNTY OF THE 2012 GENERAL ELECTION AND THE PRESENCE OF THE POLK COUNTY WATER & LAND LEGACY BOND PROPOSAL ON THE GENERAL ELECTION BALLOT.

VOTE YEA: KUROVSKI, SMITH, CATALDO, LEVIS

#5 – Timeline – FY 2013/14 Budget Request

No discussion on timeline for FY 2013/14 budget request. Information only.

#6 – Employee Introductions

PCCB employees Chance Patrick, Maintenance Technician, and George Lentz, Equipment Maint. Superintendent, were present to introduce themselves and to tell a little about themselves and their interests.

PUBLIC COMMENTS

None.

STAFF REPORTS

FINANCIAL REPORTS

DISCUSSION & REMARKS

- GOF Event, September 28
- David Jones, possibly attending October Board meeting
- Mally's Park Open House scheduled for Oct. 5 at 5:30 p.m.

ADJOURNMENT

The meeting was adjourned at 6:24 p.m.

Prepared by: Cindy Lentz

Polk County 10/27/12 Auction
List of PCCB Items for Auction

- 1 1992 Ford F-150 4 x4 - Plate # 26849
- 2 1996 Dodge 1-Ton - Plate # 28180
- 3 1993 Starlite trailer - Plate # 38428
- 4 1999 Starlite trailer - Plate # 39170
- 5 Woods Mower 3pt.
- 6 Western snowplow 7 1/2 poly
- 7 Yamaha G22 golf cart, # 61
- 8 Sweepster Brush - plow type
- 9 Sweeper Broom - PTO style
- 10 Stihl Chain Saw 066 s/n 144376901
- 11 Stihl Chain Saw 064 s/n 116590344
- 12 Stihl Chain Saw 044 s/n 133809208
- 13 Stihl Chain Saw 361 s/n 265434057
- 14 Brown desk in animal pens
- 15 Table cart in animal pens
- 16 Craftsman table saw tag# 01298
- 17 Canon Copier Model NP6551 tag# 03818
- 18 File Cabinets 4 drawer (1) Beige tag# 03909, (1) Brown tag # 02202

Golf Course

- 19 Toro 455D Groundsmaster mower
- 20 Cushman 630A Truckster



Easter Lake Water Quality Management Plan -

DRAFT FINAL REVIEW COPY

Prepared for:



Prepared By:



EA, Engineering, Science, and Technology, Inc.
221 Sun Valley Blvd, Suite D
Lincoln, Nebraska 68528
(402) 476-3766

REVIEW DRAFT ONLY

In Association With:



LakeTech, Inc.
Martell, NE

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Plan Goals

Goals and objectives have been established in order to achieve the vision of each project stakeholder and the citizens Steering Committee, which intends to improve the overall health of the watershed. The Plan will allow the project stakeholders to manage stormwater impacts, reduce sedimentation and runoff, reduce phosphorus loading, stabilize and protect infrastructure in Yeader Creek, and support a more active and healthy fishery in Easter Lake. Below are primary goals of the Plan:

Goal One: Improve water quality throughout the watershed by incorporating structural and non-structural best management practices and an information and education effort on water quality and the projects and programs available through this plan to achieve water quality goals.

Goal Two: Reconnect Des Moines metro residents and visitors to Easter Lake's and its surroundings' natural amenities.

Goal Three: Educate the public about water quality and provide awareness of the Easter Lake Water Quality Management Plan.

Goal Four: Achieve a "Full Support" status for the aquatic life use in Easter Lake.

Goal Five: Reduce contaminant levels in fish to "safe levels."

Goal Six: Achieve and maintain a "full support" status for the recreation use.

Goal Seven: Maintain a "full support" status for the aesthetic use.

Public Involvement

A community based planning approach was used in the development of the Plan. Involving the public in the planning process is a very important step to establishing a Plan that is accepted and successfully implemented by the stakeholders of the lake. Public participation and involvement had begun prior to the planning process for establishing the Plan. IDNR, PCCB, and the City had already begun working with an organized council of watershed volunteers, referred to as a 'Steering Committee'. In addition, a Technical Advisory Team (TAT) had already been formed prior to the plan kickoff. The TAT and 'Steering Committee' held several meetings prior to plan kickoff. These meetings were focused on the outcomes of two important studies: the Easter Lake Diagnostic/Feasibility Study, and NRCS's Analysis of Yeader Creek. The citizens Steering Committee was utilized to provide direction and input to the consultant and TAT representatives during plan establishment.

The consultant continued and expanded the public participation that had been established. Following is a general summary of the key public participation events conducted during the development of this Plan.

- **Steering Committee (SC)** – The SC included representatives from neighborhoods, business owners, and various agencies in the project area. During the planning process, the SC met four times including meetings in March, May, June, and October 2012. The primary role of the SC was to provide input from a diverse set of stakeholders that live and work in throughout the watershed.
- **Technical Advisory Team (TAT)** – A technically-based group representing ten different agencies was established during the beginning of the project. The TAT met four times during the development and was vital to the establishment of this Plan. The TAT is also responsible for presenting plan elements to the Des Moines City Council and Polk County officials.
- **Open Houses** – One Open House is planned for October 4, 2012, and will provide an opportunity for the public to provide input on the draft plan and learn about actions planned for the next 10-years in the watershed.

Summary of Implementation Plan and Projected Costs

Improving the water quality of Easter Lake is a complex and challenging effort that will require collaboration of the project sponsors over the next 10 years. This implementation strategy was written using input from the project stakeholders, ISU's DF study, NRCS studies, and public, the summary of conclusions drawn during the planning process, and a review of other available information. The implementation plan was based upon a balance of available resources and the process necessary to achieve the plan's ultimate goal of removing Easter Lake from the Clean Water Act Section 303(d) list of impaired waters and achieving IDNR's lake restoration goals.

Implementation Strategy

A phased approach has been established that allows for resources to be concentrated on reducing the pollutant load and runoff in the watershed (Phase One) prior to lake restoration and other significant pollution reduction projects work being completed in and around Easter Lake (Phase Two). In addition, a strong information and education effort will be utilized to increase the effectiveness of programs and provide information on other activities and their water quality benefits. Costs for projects and programs were estimated based upon costs of similar programs and construction project costs within the Midwest region. Section 7 - Implementation Strategy, in the Plan provides a detailed breakdown of estimated costs, the table below provides a summary of the elements of each phase and the estimated costs for each phase.

Table ES-1: Implementation Strategy Summary

Phase	Years	Focus	Key actions	Projected Cost
One	2012-2014	<ul style="list-style-type: none"> Reducing runoff and pollutant sources in the watershed Information and education Stream restoration Lake improvement design 	<ul style="list-style-type: none"> Financial incentives for water quality BMPs Installation of bio-infiltration BMPs in watershed Grade control, stream bank stabilization in Yeader Creek and 'South Arm' Design and plans for lake improvements 	\$2,925,000
Two	2015-2018	<ul style="list-style-type: none"> Continuing watershed work Continuing stream restoration Lake improvement construction 	<ul style="list-style-type: none"> In-lake improvements and dredging Aquatic habitat improvements Watershed BMPs Information and Education 	\$12,292,000
Three	2019-2021	<ul style="list-style-type: none"> Continuing watershed work 	<ul style="list-style-type: none"> Financial incentives for water quality BMPs 	\$1,218,000

SECTION 1 - INTRODUCTION

1.1. Introduction and Purpose

Easter Lake has been providing recreational opportunities for residents and visitors since 1967. The lake is mostly contained within Easter Lake Park located in Des Moines, Iowa; which is managed by the Polk County Conservation Board (PCCB). Over the last several years the water quality of Easter Lake has diminished and the lake currently suffers from poor water clarity, algal blooms, high sedimentation rates, low oxygen concentrations, and a poor fishery.

In response to these water quality problems, area stakeholders have begun working to develop the Easter Lake Water Quality Management Plan (Plan). The planning effort is co-sponsored by the Iowa Department of Natural Resources (IDNR), City of Des Moines, and PCCB. Other support agencies include; the Iowa Department of Agriculture and Land Stewardship, Polk Soil and Water Conservation District (Polk SWCD), Natural Resources Conservation Service, and the Center for Agricultural and Rural Development. A Technical Advisory Team (TAT), including representatives from each agency, was formed and is supports Plan establishment.

The Plan has been established using three recently completed documents:

- 4) Iowa State University's Diagnostic Feasibility Study 2011 (ISU DF study) – A comprehensive study of Easter Lake's water quality, provides details on key issues and identifies alternatives to reach Water Quality Target's (WQT).
- 5) Natural Resources Conservation Service (NRCS 2011) Channels and Storm Sewer Outfall Study- 2011 – An erosion and sediment delivery study.
- 6) NRCS's Planning Level Cost Analysis of Stream bank and Streambed Stabilization in the Yeader Creek – 2011 – A summary report of engineer's estimate for design and installation of best management practices (BMPs) needed to reduce sediment delivery to Easter Lake.

The plan serves as the culmination of existing studies, citizen and stakeholder input, and the consultant's recommendations for structural and non-structural BMPs (referred to as programmatic BMPs) intended to reduce delivery of pollutants to stormwater, reduce stormwater runoff, and renovation of Easter Lake. Overall, the development of this plan is guided by interested citizens who form a Steering Committee (SC) and technical advisors who form a Technical Advisory Team (TAT). These two groups worked with the project consultant to formulate a strategy to improve the health of the Easter Lake watershed, and improve the water quality in Easter Lake. The following vision statement was created by the Easter Lake Steering Committee.

Easter Lake Vision Statement

Easter Lake will be a sustainable resource that provides diverse outdoor recreational activities for visitors. Public education and community involvement will be the driving force behind improving watershed management techniques and developing a healthy ecosystem.

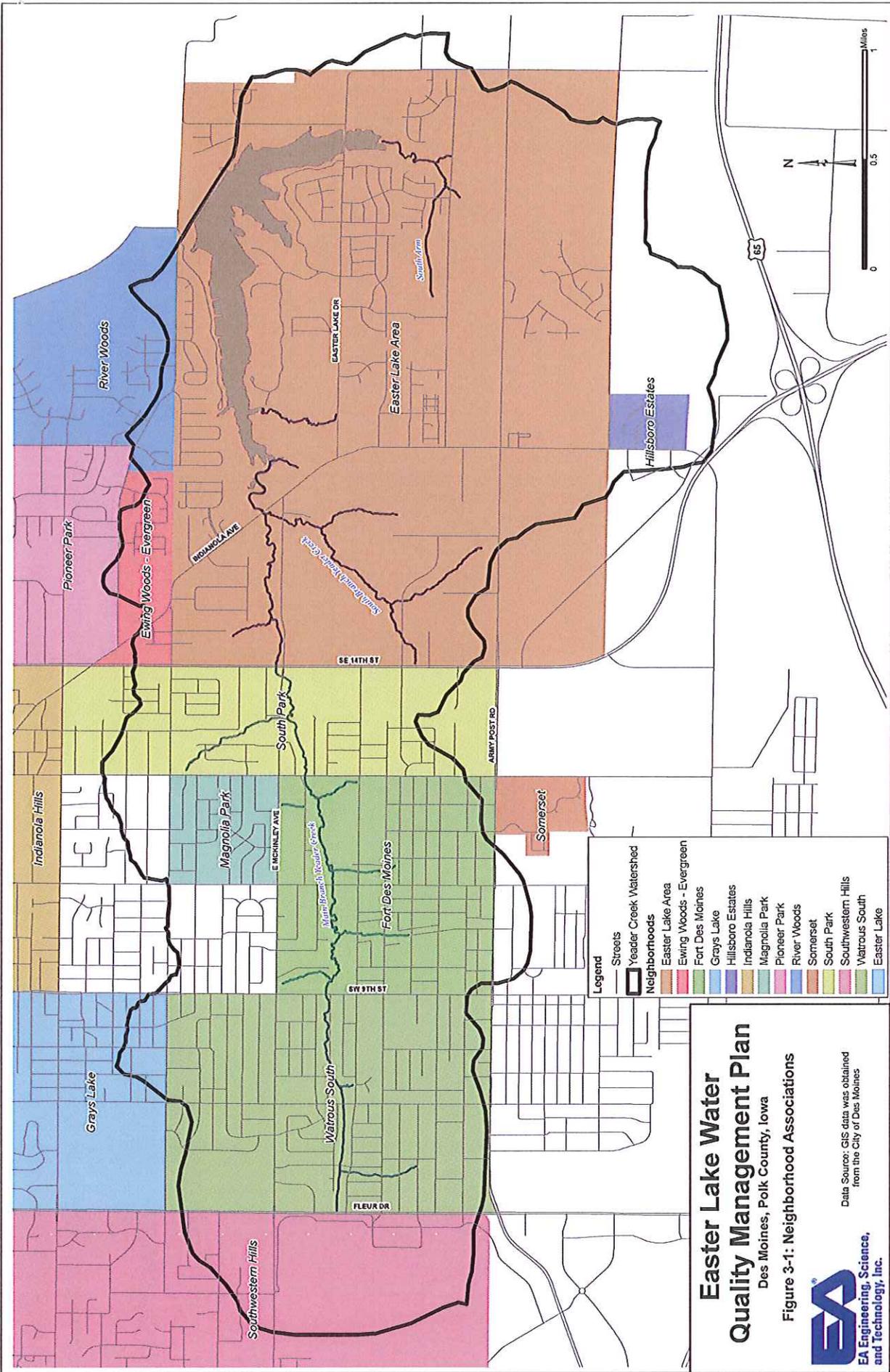
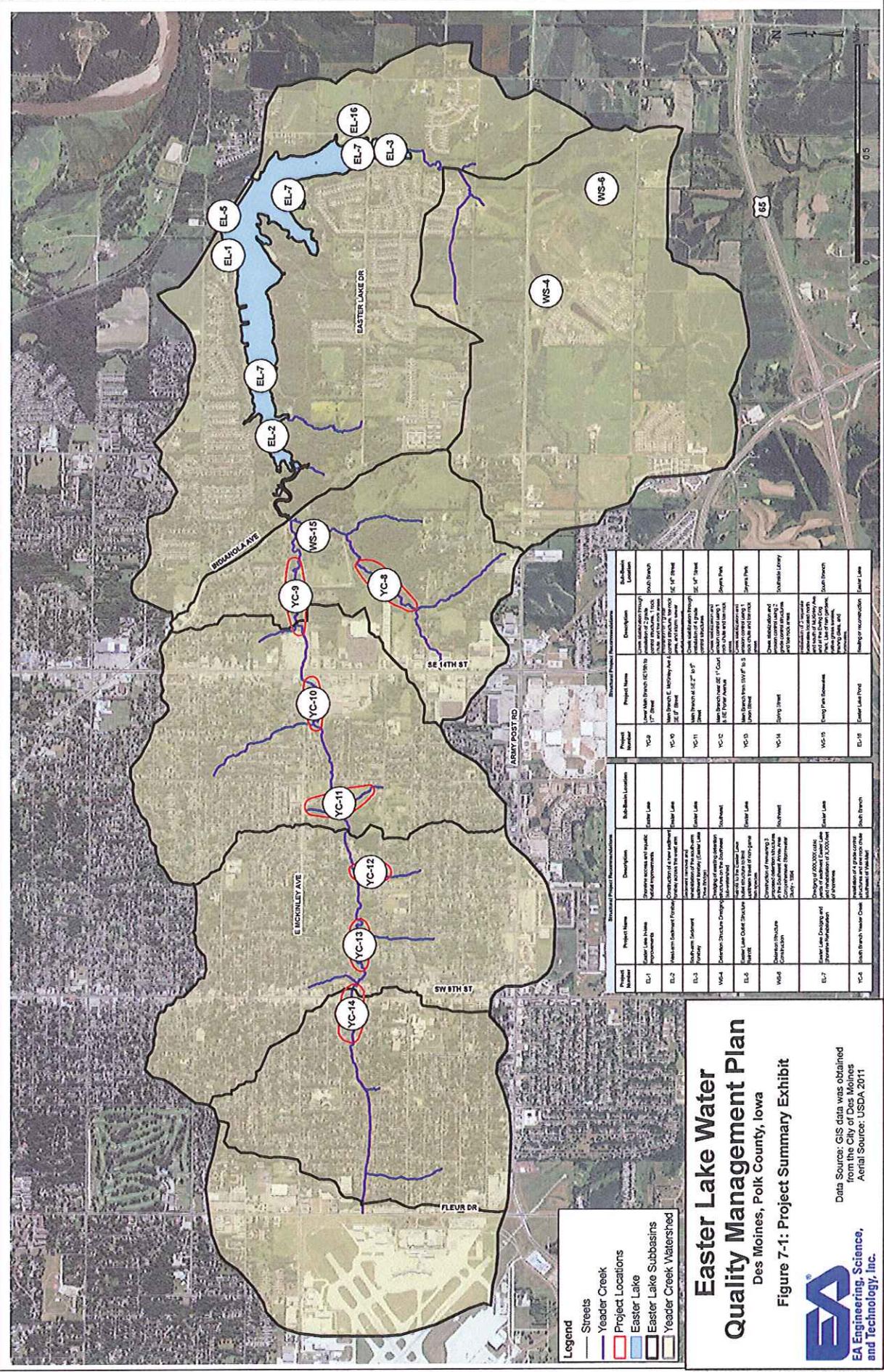


Table 7-1: Implementation Strategy Summary

Phase	Years	Focus	Key actions
One	2012-2014	<ul style="list-style-type: none"> • Reducing runoff and pollutant sources in the watershed • Information and education • Stream restoration • Lake improvement design 	<ul style="list-style-type: none"> • Financial incentives for water quality BMPs • Installation of bio-infiltration BMPs in watershed • Grade control, stream bank stabilization in Yeader Creek and 'South Arm' • Design and plans for lake improvements
Two	2015-2018	<ul style="list-style-type: none"> • Continuing watershed work • Continuing stream restoration • Lake improvement construction 	<ul style="list-style-type: none"> • In-lake improvements and dredging • Aquatic habitat improvements • Watershed BMPs • Information and Education
Three	2019-2021	<ul style="list-style-type: none"> • Continuing watershed work • Easter Lake rehabilitation completion 	<ul style="list-style-type: none"> • Financial incentives for water quality BMPs • Installation of bio-infiltration BMPs in watershed

Table 7-2: Project Cost and Reduction Summary

	Implementation Cost	Sediment Reduction	Phosphorus Reduction
Phase One (2012-2014)			
Programmatic BMPs	\$1,172,000	2-5%	10-20%
Stream Restoration	\$1,027,500	7%	1%
Lake Improvements (Design)	\$590,000	NA	NA
Information and Education	\$100,000	1-4%	5-20%
Monitoring	\$35,000	NA	NA
Sub-totals	\$2,924,500	10%	21%
Phase Two (2015-2018)			
Programmatic BMPs	\$1,979,000	2-5%	5-10%
Stream Restoration	\$868,500	13%	2%
Lake Improvements	\$9,220,000	33%	4%
Information and Education	\$100,000	1-4%	5-20%
Monitoring	\$125,000	NA	NA
Sub-totals	\$12,292,500	42%	21%
Phase Three (2019-2021)			
Programmatic BMPs	\$1,083,000	2-5%	5-10%
Information and Education	\$100,000	1-4%	10-20%
Monitoring	\$35,000	NA	NA
Sub-totals	\$1,218,000	3%	15%
Estimated Grand Total	\$16,435,000	62-80%	47-80%
TMDL Target Reduction		23%	44%



Structural Project Recommendations		Structural Project Recommendations	
Project Number	Project Name	Description	Sub-Basin Location
EL-1	Water Line Improvements	Replace water main and install additional water mains	Center Lake
EL-2	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-3	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-4	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-5	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-6	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-7	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-8	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-9	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-10	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-11	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-12	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-13	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-14	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-15	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
EL-16	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-1	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-2	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-3	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-4	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-5	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-6	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-7	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-8	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-9	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-10	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-11	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-12	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-13	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
YC-14	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
WS-1	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
WS-2	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
WS-3	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
WS-4	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
WS-5	Water Main Replacement	Construction of a new water main line across the road and	Center Lake
WS-6	Water Main Replacement	Construction of a new water main line across the road and	Center Lake

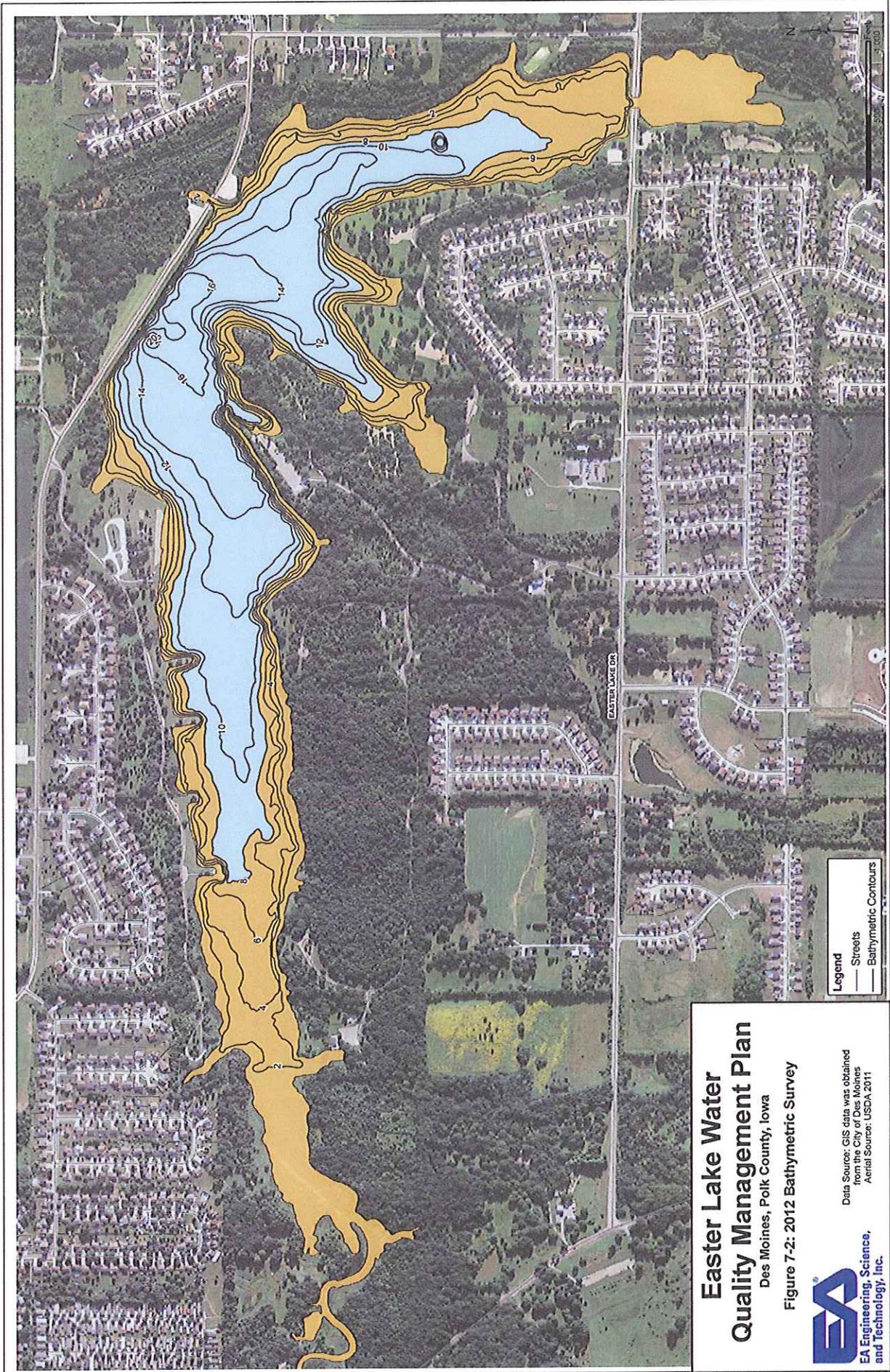
Easter Lake Water Quality Management Plan

Des Moines, Polk County, Iowa

Figure 7-1: Project Summary Exhibit



Data Source: GIS data was obtained from the City of Des Moines Aerial Source: USDA 2011



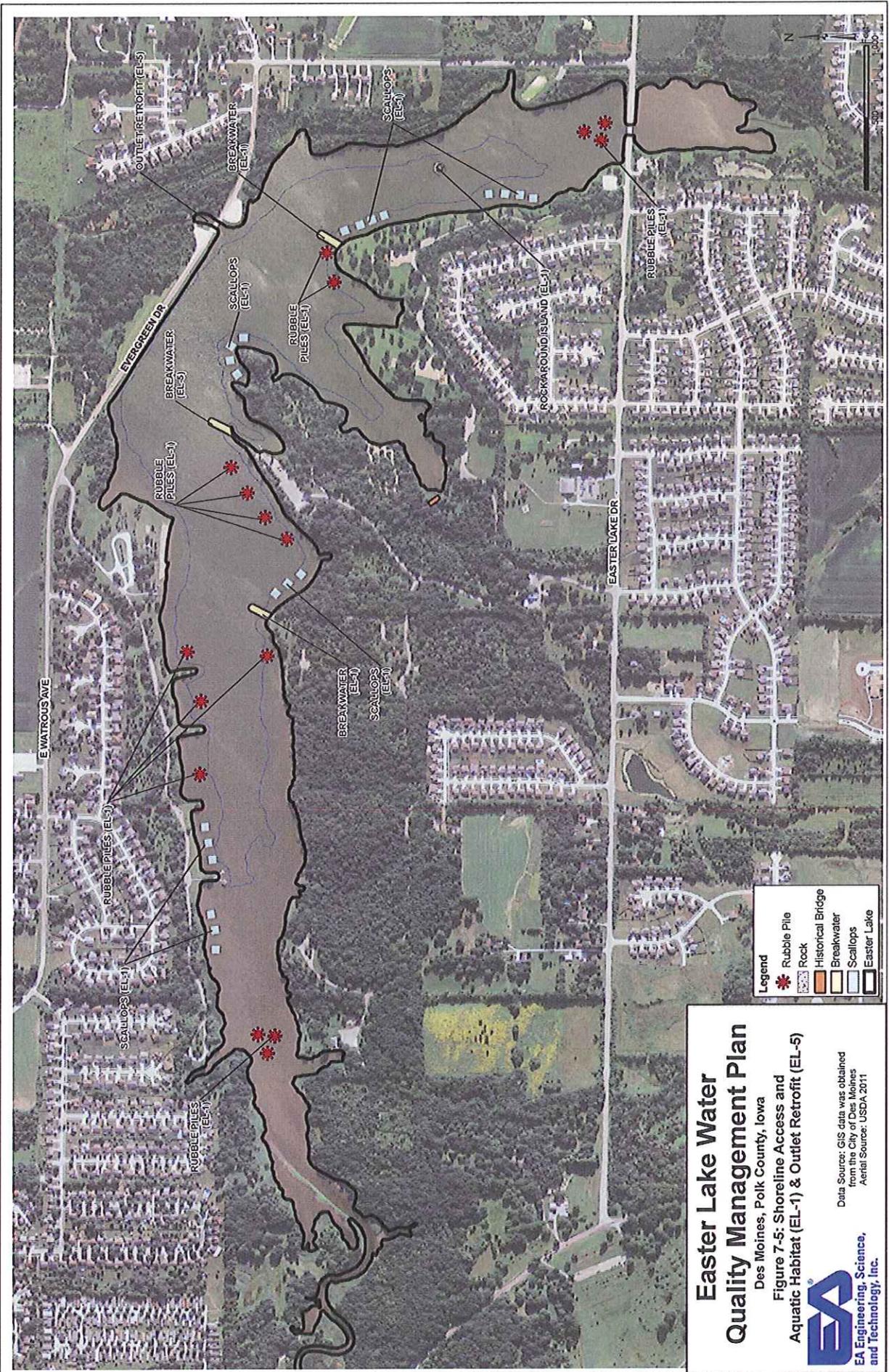
Easter Lake Water Quality Management Plan

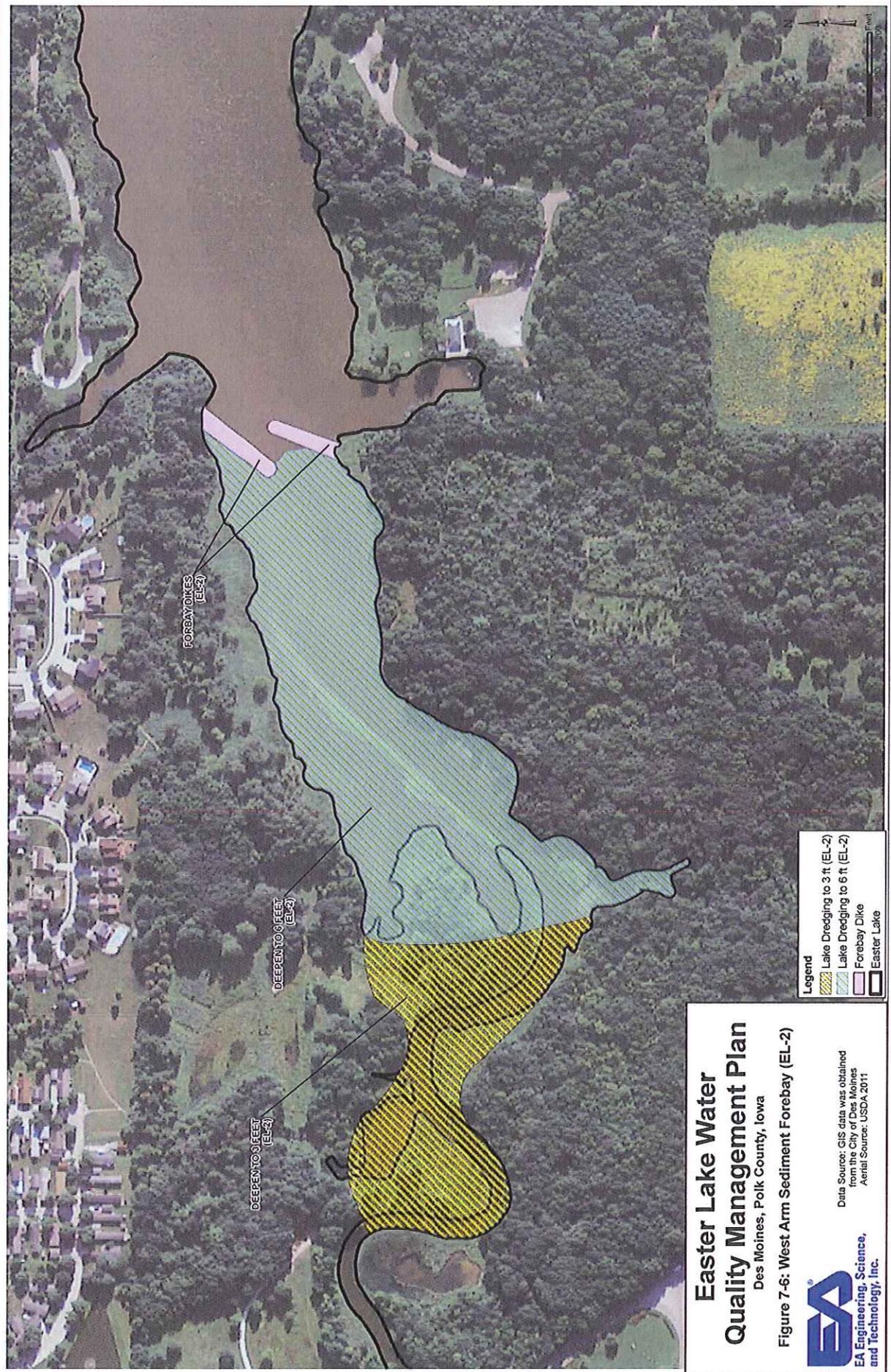
Des Moines, Polk County, Iowa

Figure 7-2: 2012 Bathymetric Survey

Data Source: GIS data was obtained from the City of Des Moines
Aerial Source: USDA 2011







	<u>11/12 Actual</u>	<u>12/13 Budget Approved</u>	<u>13/14 Base Budget Request</u>	<u>13/14 Total Request</u>	<u>13/14 Variance to 12/13</u>	<u>Notes</u>
046 - CONSERVATION REVENUE						
00001 - GENERAL BASIC						
0213 - CONSERVATION EQUIPMENT						
59 - OTHER FINANCING SOURCES						
59300 . FIXED ASSETS SOLD	4,049	3,000	4,000	4,000	1,000	
Total 0213 - CONSERVATION EQUIPMENT	4,049	3,000	4,000	4,000	1,000	
6006 - INTERPRETATIVE EDUCATION						
52 - INTERGOVERNMENTAL REVENUES						
52290 . MISC STATE GRANTS/REIMB	-	-	-	-	-	
52400 . ENVIRONMENTAL PROTECT. AGCY	-	-	-	-	-	
52490 . MISC FED GRANTS/ENTITLEMENTS	35,346	-	-	-	-	
52790 . MISC-CONTRIB/REIMB OTHR GOVTS	-	-	-	-	-	
55 - CHGS FOR SVCS: NON-STAT. FEES						
55200 . RECREATIONAL FEES	66	-	-	-	-	
55490 . PROGRAM REVENUE	61,838	51,000	55,000	55,000	4,000	
56 - USE OF MONEY AND PROPERTY						
56200 . COMMISSIONS	2,269	1,500	-	-	(1,500)	Moved to Admin 6101
58 - MISCELLANEOUS REVENUES						
58190 . MISC CONTRIBUTIONS & DONATIONS	779	3,200	-	-	(3,200)	Donation in fund 301 now
58320 . MISC SALES OF COMMODITIES	20	100	-	-	(100)	No longer sell T-shirts.
58430 . MOTOR VEHICLE FUEL REFUNDS	-	-	-	-	-	
Total 6006 - INTERPRETATIVE EDUCATION	100,317	55,800	55,000	55,000	(800)	
6009 - GREEN TM-NATURAL RES CONSERV						
52 - INTERGOVERNMENTAL REVENUES						
52290 . MISC STATE GRANTS/REIMB	204,495	-	-	-	-	
52790 . MISC-CONTRIB/REIMB OTHR GOVTS	1,140	12,600	5,000	5,000	(7,600)	Mowing for Jasper Co. \$3,000, Army Corp. \$2,000
55 - CHGS FOR SVCS: NON-STAT. FEES						
55100 . MISCELLANEOUS FEES	4,996	5,000	5,000	5,000	-	Work for Golf Course
56 - USE OF MONEY AND PROPERTY						
56100 . LAND RENT	112,315	90,322	112,300	112,300	21,978	Chichaqua Land Rents
58 - MISCELLANEOUS REVENUES						
58310 . FIREWOOD SALES	-	-	-	-	-	- No more bulk firewood sales all sales in PAU 6110
58320 . MISC SALES OF COMMODITIES	357	1,000	1,000	1,000	-	- All scrap metal sales now in 6009 no long split with 6119
58510 . MISC RECEIPTS / REIMBURSEMENTS	-	1,000	-	-	(1,000)	Normally have none for Natural Resources
Total 6009 - GREEN TM-NATURAL RES CONSERV	323,303	109,922	123,300	123,300	13,378	
6011 - HAYING OPERATION-CHICHACQUA						
58 - MISCELLANEOUS REVENUES						
58320 . MISC SALES OF COMMODITIES	7,135	6,000	-	-	(6,000)	Moved CBG haying operations to fund 301 ion FY12/13
Total 6011 - HAYING OPERATION-CHICHACQUA	7,135	6,000	-	-	(6,000)	
6101 - ADMINISTRATION						
52 - INTERGOVERNMENTAL REVENUES						
52290 . MISC STATE GRANTS/REIMB	-	-	-	-	-	
52430 . FEMA	74,133	-	-	-	-	
52740 . IN-KIND SERVICES	-	-	-	-	-	
52790 . MISC-CONTRIB/REIMB OTHR GOVTS	-	-	5,000	5,000	5,000	Deer survey revenues moved to Admin from NR 6009

	<u>11/12 Actual</u>	<u>12/13 Budget Approved</u>	<u>13/14 Base Budget Request</u>	<u>13/14 Total Request</u>	<u>13/14 Variance to 12/13</u>	<u>Notes</u>
046 - CONSERVATION REVENUE						
55 - CHGS FOR SVCS: NON-STAT. FEES						
55050 . GENERAL ADMINISTRATIVE FEES	11,000	12,000	12,000	12,000		- Christiani's monthly rent
55200 . RECREATIONAL FEES	1,026		-	-		- Camping coupon books now budgeted in PAU 6110
56 - USE OF MONEY AND PROPERTY						
56110 . BUILDING RENT	32,925	31,600	32,000	32,000	400	Lodge Rentals
56200 . COMMISSIONS	-	-	1,800	1,800	1,800	Pop Machine Commissions for all departments
56220 . CONCESSIONS	46,761	47,000	47,000	47,000		- Christiani's catering revenues
57 - FINES, FORFEITURES AND DEFLT.						
57010 . RETURNED CHECK FEES	525	120	500	500	380	All depts in Admin now
58 - MISCELLANEOUS REVENUES						
58190 . MISC CONTRIBUTIONS & DONATIONS	36	2,500	500	500	(2,000)	
58210 . UNCLAIMED PROPERTY	-	-	-	-	-	
58320 . MISC SALES OF COMMODITIES	313		-	-	-	
58430 . MOTOR VEHICLE FUEL REFUNDS	8,393	6,100	10,000	10,000	3,900	All depts in Admin now
58440 . EMPLOYEE JURY DUTY	128				-	
58510 . MISC RECEIPTS / REIMBURSEMENTS	350	500	300	300	(200)	
59 - OTHER FINANCING SOURCES						
59320 . RECOVERIES ON LOSSES	8,335	-	-	-	-	- Had insurance payments for losses at Chichaqua in 2010 flood, no longer need to budget
Total 6101 - ADMINISTRATION	183,926	99,820	109,100	109,100	9,280	
6103 - COMMUNITY OUTREACH						
52 - INTERGOVERNMENTAL REVENUES						
52290 . MISC STATE GRANTS/REIMB	1,104	-	-	-	-	
58 - MISCELLANEOUS REVENUES						
58190 . MISC CONTRIBUTIONS & DONATIONS	-	-	-	-	-	
58430 . MOTOR VEHICLE FUEL REFUNDS	-	-	-	-	-	
58510 . MISC RECEIPTS / REIMBURSEMENTS	-	-	-	-	-	
Total 6103 - COMMUNITY OUTREACH	1,104	-	-	-	-	
6104 - CONSERVATION GRANTS						
52 - INTERGOVERNMENTAL REVENUES						
52290 . MISC STATE GRANTS/REIMB		93,709	-	-	(93,709)	No new grants at this time for FY13/14 in the general fund
52430 . FEMA		323,000	-	-	(323,000)	
52490 . MISC FED GRANTS/ENTITLEMENTS		84,284	-	-	(84,284)	
52790 . MISC-CONTRIB/REIMB OTHR GOVTS	5,000				-	
Total 6104 - CONSERVATION GRANTS	5,000	500,993	-	-	(500,993)	
6110 - PARKS ADVOCACY						
52 - INTERGOVERNMENTAL REVENUES						
52290 . MISC STATE GRANTS/REIMB	13,940	-	-	-	-	
53 - LICENSES AND PERMITS						
53390 . MISC BUS PERMITS AND LICENSES	125	500	500	500	-	
55 - CHGS FOR SVCS: NON-STAT. FEES						
55200 . RECREATIONAL FEES	312,934	285,000	295,000	295,000	10,000	
56 - USE OF MONEY AND PROPERTY						
56110 . BUILDING RENT	47,967	81,000	55,000	55,000	(26,000)	Lodge rents were moved to Admin
56120 . EQUIPMENT AND MACHINERY RENT	1,901	1,000	1,500	1,500	500	Canoe rentals at CBG

	<u>11/12 Actual</u>	<u>12/13 Budget Approved</u>	<u>13/14 Base Budget Request</u>	<u>13/14 Total Request</u>	<u>13/14 Variance to 12/13</u>	<u>Notes</u>
046 - CONSERVATION REVENUE						
57 - FINES, FORFEITURES AND DEFLT.						
57010 . RETURNED CHECK FEES	-	100	-	-	(100)	Moved to Admin 6101
58 - MISCELLANEOUS REVENUES						
58190 . MISC CONTRIBUTIONS & DONATIONS	-	-	-	-	-	
58310 . FIREWOOD SALES	16,188	14,000	15,000	15,000	1,000	
58320 . MISC SALES OF COMMODITIES	-	-	-	-	-	
58510 . MISC RECEIPTS / REIMBURSEMENTS	1,988	1,500	2,000	2,000	500	Dump Station Revenues
Total 6110 - PARKS ADVOCACY	395,042	383,100	369,000	369,000	(14,100)	
6119 - GRAY TM-MAINT AND OPNS						
52 - INTERGOVERNMENTAL REVENUES						
52790 . MISC-CONTRIB/REIMB OTHR GOVTS	21,800	-	-	-	-	
58 - MISCELLANEOUS REVENUES						
58190 . MISC CONTRIBUTIONS & DONATIONS	-	5,000	-	-	(5,000)	
58320 . MISC SALES OF COMMODITIES	5,283	-	-	-	-	
58440 . EMPLOYEE JURY DUTY	66	-	-	-	-	
Total 6119 - GRAY TM-MAINT AND OPNS	27,149	5,000	-	-	(5,000)	
6124 - RECREATION/EQUESTRIAN CENTER						
55 - CHGS FOR SVCS: NON-STAT. FEES						
55200 . RECREATIONAL FEES	292,452	311,600	311,000	311,000	(600)	
56 - USE OF MONEY AND PROPERTY						
56110 . BUILDING RENT	60	-	-	-	-	
56200 . COMMISSIONS	503	200	-	-	(200)	Pop Machine Commissions moved to Admin 6101
56220 . CONCESSIONS	-	-	-	-	-	
57 - FINES, FORFEITURES AND DEFLT.						
57000 . FINES, FORFEIT AND DEFAULTS	70	-	-	-	-	
57010 . RETURNED CHECK FEES	30	-	-	-	-	
58 - MISCELLANEOUS REVENUES						
58190 . MISC CONTRIBUTIONS & DONATIONS	132	13,600	-	-	(13,600)	Variety Club & Ronald McDonald House grants are thru GOF other donations to 301
58320 . MISC SALES OF COMMODITIES	62	-	-	-	-	
58430 . MOTOR VEHICLE FUEL REFUNDS	-	100	-	-	(100)	Moved to Admin 6101
58510 . MISC RECEIPTS / REIMBURSEMENTS	100	-	-	-	-	
Total 6124 - RECREATION/EQUESTRIAN CENTER	293,410	325,500	311,000	311,000	(14,500)	
Total 00001 - GENERAL BASIC	1,340,436	1,489,135	971,400	971,400	(517,735)	

2012- 2013 Revenue Budget

- as of 10/31/12 (33.33% of budget year expired)

UNIT #	UNIT	Revenue Budget	Total Revenues Received	Balance Due	%
		Received			
General - Fund 1					
0213	Equipment	\$ 3,000	\$ -	\$ 3,000	0.0%
6006	Environmental Ed	\$ 55,800	\$ -	\$ 55,800	0.0%
6009	Natural Resources	\$ 109,922	\$ -	\$ 109,922	0.0%
6101	Administration	\$ 99,820	\$ -	\$ 99,820	0.0%
6103	Community Outreach	\$ -	\$ -	\$ -	0.0%
6104	Conservation Grants	\$ 500,993	\$ -	\$ 500,993	0.0%
6110	Parks Advocacy Unit	\$ 383,100	\$ -	\$ 383,100	0.0%
6119	Construction/Maint.	\$ 5,000	\$ -	\$ 5,000	0.0%
6124	Equestrian Center	\$ 325,500	\$ -	\$ 325,500	0.0%
Sub-Total - General Fund 1		\$ 1,483,135	\$ -	\$ 1,483,135	0.0%
REAP - Fund 26					
0211	Resource Enhancement	\$ 103,000	\$ -	\$ 103,000	0.0%
Reserve - Fund 50					
0210-0214	Trails, Special Projects	\$ 2,129,300	\$ -	\$ 2,129,300	0.0%
Grand Total - Conservation		\$ 3,715,435	\$ -	\$ 3,715,435	0.0%

Effective 10/01/12 the CGB Haying Operations that were in Unit 6011 have been transferred to fund 301 (Donations) which is protected and carries over each month and at fiscal year end. It will no longer show up on the Revenue and Expense reports.

2012- 2013 Expense Budget

- as of 10/31/12 (33.33% of budget year expired)

UNIT #	UNIT	Expense Budget	Total Expended	Balance Remaining	% Expended
General - Fund 1					
0213	Equipment	\$ 97,800	\$ -	\$ 97,800	0.0%
6006	Environmental Ed	\$ 360,707	\$ -	\$ 360,707	0.0%
6009	Natural Resources	\$ 688,628	\$ -	\$ 688,628	0.0%
6101	Administration	\$ 758,867	\$ -	\$ 758,867	0.0%
6103	Community Outreach	\$ 198,621	\$ -	\$ 198,621	0.0%
6104	Conservation Grants	\$ 768,285	\$ -	\$ 768,285	0.0%
6110	Parks Advocacy Unit	\$ 453,343	\$ -	\$ 453,343	0.0%
6119	Construction/Maint.	\$ 958,813	\$ -	\$ 958,813	0.0%
6124	Equestrian Center	\$ 382,149	\$ -	\$ 382,149	0.0%
Sub-Total - General Fund 1		\$ 4,667,213	\$ -	\$ 4,667,213	0.0%
General Supplemental - Fund 2					
All Units	Benefits (IPERS/FICA/Ins, Etc.)	\$ 938,826		\$ 938,826	0.0%
Risk Management - Fund 3					
6100	Insurance, Med., Work. Comp.	\$ 96,300		\$ 96,300	0.0%
REAP - Fund 26					
0211	Resource Enhancement	\$ 102,167	\$ -	\$ 102,167	0.0%
Reserve - Fund 50					
0210-0214	Trails, Special Projects	\$ 2,763,200	\$ -	\$ 2,763,200	0.0%
Grand Total - Conservation		\$ 8,567,706	\$ -	\$ 8,567,706	0.0%