

Wetland Program Plan for the Pyramid Lake Paiute Tribe



January 2011 - December 2013

Wetland Program Plan for the Pyramid Lake Paiute Tribe approved by Tribal Council on March 18, 2011.

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Date

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Goals and Time Frame for the Pyramid Lake Paiute Tribe Wetland Protection Program

The Pyramid Lake Paiute Tribe (PLPT) Wetland Protection Program plans to continue toward the goal of protecting and restoring wetland resources for their economic, cultural, environmental and human health benefits. The time frame for this plan is three years beginning January 2011 and ending December 2013. The Wetlands Program plans to use the products of this work to continue to enhance protection of wetland resources within the reservation boundaries by continuing to develop the monitoring and assessment, regulatory, and restoration and protection elements of the program.

Previous wetland program efforts have been included below; under each element heading a short description has been provided. A series of actions and associated activities have been planned to continue to develop the core elements of the PLPT Wetlands Program for the next three years. These actions and activities are listed with a brief description.

Previous Pyramid Lake Paiute Tribe Wetland Protection Program Efforts

Core Element: Monitoring and Assessment

- *Identified program decisions and long-term environmental outcome(s) that will benefit from a wetlands monitoring and assessment program. [Monitoring and Assessment, Objective 1.a.]* It was decided that developing the monitoring and assessment element of the Wetlands Program would enable the tribe to make informed decisions about wetland resources. It will also allow the Program to track trends in wetland condition and provides a framework to track the success of any restoration project. The long term environmental outcome would be increased wetland protection.
- *Defined wetlands monitoring objectives and strategies and developed monitoring strategy. [Monitoring and Assessment, Objective 1.b.]* Used past experience of Water Quality Program as a

starting point for the development of the wetland monitoring strategy. The Water Quality Program staff has experience with water and macroinvertebrate sampling as well as habitat assessments. The main monitoring objectives were to document the condition of wetlands and develop a long-term program that would allow for the tracking of wetland condition over time.

- *Ensured scientific validity of monitoring and laboratory activities. [Monitoring and Assessment, Objective 2.a.]* Developed the Quality Assurance Project Plan for Monitoring, Assessment, and Tracking of Pyramid Lake Indian Reservation Wetland Resources, QA Office Document Control Number WATR0602QV2 (attached). The date of approval for the plan was February 5, 2008. The plan was amended the Quality Assurance Project Plan (QAPP) in January 2009. Portions of the QAPP needed to be updated after initial field season.
- *Monitored wetland resources as specified in strategy. [Monitoring and Assessment, Objective 2.b.]* Followed the procedures defined in the approved QAPP and amended QAPP to conduct monitoring and assessment activities. Three data sets collected over a three year period.
- *Tracked monitoring data. [Monitoring and Assessment, Objective 2.d.]* Developed a series of spreadsheets to store wetlands data. Utilized the collected data to track changes in wetland condition. Data and reports submitted to EPA.
- *Evaluated monitoring program. [Monitoring and Assessment, Objective 3.a.]* Program evaluations done annually during grant final reporting; needed program improvements included in reports.
- *Submitted reports to EPA reporting wetland status and trends. [Monitoring and Assessment, Objective 2.e.]* Annual reports to EPA about project tasks including data collected and an analysis of any changes in wetland condition and trends.

Core Element: Regulation

Most regulatory work is done through the PLPT Water Quality- 401 certification program. Continued collaboration of all PLPT Environmental Department programs ensures that all waters of the tribe are protected.

- *Provided clear and comprehensive jurisdictional coverage of aquatic resources. [Regulation, Objective 1.a.]* This was done through the development and approval of the PLPT Water Quality Control Plan (WQCP). http://www.plpt-waterquality.net/pdfs/wqcp_oct_2008_draft1.pdf
- *Clearly identified a comprehensive scope of activities to be regulated. [Regulation, Objective 1.b.]* The scope of regulated activities is identified through the administration of the PLPT WQCP and 401 Certification programs.

- *Adopted regulations or rules to implement tribal and/or federal water quality statutes. [Regulation, Objective 2.a.]* PLPT adopted the PLPT WQCP through Resolution No.: PL66-08.
http://www.plpt.nsn.us/environmental/PL6608_2008_WQCP.pdf
- *Developed and operated according to a clear and effective set of criteria for reviewing and responding to applications. [Regulation, Objective 2.b.]* The PLPT Water Quality (WQ) Program has developed and operated according set criteria for reviewing and responding to 401 certification applications.
- *Actively reviewed proposed impacts to waters of the tribe. [Regulation, Objective 2.c.]* The PLPT WQ Program reviews all proposed projects both on and off the reservation that may impact waters of the tribe.
- *Coordinated among agencies, programs, and industry groups to reduce duplicative efforts by the program and the regulated public. [Regulation, Objective 2.e.]* The PLPT WQ Program reviews proposed projects both on and off reservation and coordinates with other agencies when certifications are needed.
- *Required effective mitigation for authorized impacts. [Regulation, Objective 2.f.]* The PLPT has required project agencies to mitigate impacts to water quality through 401 certification conditions such as the implementation of best management practices.
- *Tracked and evaluated program implementation. [Regulation, Objective 2.h.]* The PLPT WQ program tracks all certification activities. Program evaluation is completed annually during grant final reporting.
- *Monitored the implementation of permit/certification conditions [Regulation, Objective 3.a].* The PLPT WQ program monitors ongoing projects to ensure that certification requirements are followed, through coordination with other agencies, project managers, and site visits.
- *Enforced aquatic resource protections. [Regulation, Objective 3.b.]* Developed the PLPT Water Quality Ordinance (attached) to implement enforcement and compliance mechanisms to monitor compliance and deter violations.
- *Performed public education and outreach about wetland protection, regulated waters, and activities and authorization process. [Regulation, Objective 3.e.]* Performed public outreach at various local events, included information in the PLPT newsletter, and provided information on the PLPT website.

Core Element: Voluntary Restoration and Protection

- *Established partnerships to leverage additional protection. [Restoration and Protection, Objective 2.a.]* Shared protection concerns with various agencies for wetland protection. Collaborated with these agencies (EPA, USFWS, NRCS) to fund wetland protection efforts.
- *Improved natural wetland conditions and functions through restoration (rehabilitation). [Restoration and Protection, Objective 3.b.]* Developed restoration plans for rehabilitated wetlands through collaboration with funding agency. Restoration/rehabilitation activities included installing fencing, invasive weed removal, replanting native vegetation, and bank stabilization.

Core Element: Water Quality Standards for Wetlands

The PLPT Water Quality Control Plan (WQCP) narrative standards apply to all surface water bodies within the exterior boundaries of the Pyramid Lake Indian Reservation including, but not limited to ephemeral, intermittent, or perennial streams, springs, and **wetlands**. At this time the narrative standards within the PLPT WQCP are sufficient.

Planned Actions and Activities for the Pyramid Lake Paiute Tribe Wetlands Program

Below are the planned actions, activities, and estimated dates of work for PLPT Wetlands Program. The descriptions have been organized by core element and year. Some of the planned actions and activities are continuing/when needed and so no specific dates are listed but are included for each plan year.

Core Element: Monitoring and Assessment

Year: 2011

Action: Identify program decisions and long-term environmental outcome(s) that will benefit from a wetlands monitoring and assessment program. [Monitoring and Assessment, Objective 1.a.]

- **Activity:** Continue to collaborate with the PLPT Water Quality Program, collaboration includes information sharing, problem solving, and sharing in field work duties. Wetlands program staff consists of one full time employee, collaboration within the PLPT Environmental Department is necessary for program success.
Dates: 01/2011 - 12/2011
- **Activity:** Identify how wetland data can be used to implement watershed planning. Coordinate with water quality/nonpoint source program in any watershed based planning efforts.
Dates: 01/2011 - 12/2011

Action: Define wetlands monitoring objectives and strategies. [Monitoring and Assessment, Objective 1.b.]

- **Activity:** Determine how to integrate wetlands monitoring activities into the PLPT Water Quality monitoring efforts. To sustain a long term wetland monitoring efforts, the wetlands monitoring and assessment activities will eventually be incorporated into the overall water quality monitoring program.
Dates: 01/2011 - 06/2011

Action: Ensure the scientific validity of monitoring and laboratory activities. [Monitoring and Assessment, Objective 2.a.]

- **Activity:** Review and submit updates/changes to PLPT Wetlands QAPP. Upon annual review of the PLPT wetland and water quality programs, needed updates to the water quality and wetlands QAPPs have been identified. The PLPT Wetlands QAPP will be amended and submitted for review and approval.
Product: Amended version of the PLPT Wetlands QAPP.
Dates: 01/2011 - 06/2011

Action: Monitor wetland resources as specified in strategy. [Monitoring and Assessment, Objective 2.b.]

- **Activity:** Train staff to accomplish monitoring and assessment objectives defined in the PLPT Wetlands QAPP. Continue to attend monitoring and assessment trainings when offered in the region. Potential training topics include: bioassessment, California Rapid Assessment Method, wetlands monitoring/restoration/regulation, tribal grant programs.
Dates: Throughout the year when training is available.
- **Activity:** Complete wetlands monitoring and assessment activities defined in the PLPT Wetlands QAPP. After the wetlands QAPP is amended, the monitoring and assessment activities will be conducted to ensure the amendments will be sufficient for successful data collection. Monitoring and assessment activities include rapid assessments, water quality monitoring, and water and macroinvertebrate sampling.
Dates: 06/2011 - 09/2011
- **Activity:** Track sites that are monitored. Enter data into wetland data spreadsheets. Use monitoring and assessment data to track trends in wetland conditions and prepare annual reports on conditions.
Dates: 06/2011 - 12/2011

Action: Track monitoring data in a system that is accessible, updated on a timely basis, and integrated with other tribal water quality data. [Monitoring and Assessment, Objective 2.d.]

- **Activity:** Administer and update data systems so that the tribe can use data for analysis and WQX submittal. Coordinate with Environmental Data Management Specialist to create a system to more efficiently submit data to WQX.

Dates: 06/2011 - 12/2011

- **Activity:** Georeference data as it is gathered for reporting. Collect geographic coordinates at each data collection site. Continue to store georeferenced data in spreadsheets and GIS programs for mapping purposes.

Dates: 06/2011 - 09/2011

Action: Analyze monitoring data to evaluate wetlands extent and condition/function or to inform decision making. [Monitoring and Assessment, Objective 2.e.]

- **Activity:** Regularly report wetland status and trends. Develop end of year reports for EPA including site descriptions, status and trends information.

Dates: 09/2011 - 12/2011

Action: Evaluate monitoring program to determine how well it is meeting the monitoring program objectives. [Monitoring and Assessment, Objective 3.a.]

- **Activity:** Make changes to the monitoring program as needed. Program evaluations done annually during grant final reporting; needed program improvements to be included in reports.

Dates: 09/2011 - 12/2011

- **Activity:** Review other wetlands program elements and modify other aspects of wetlands program as needed based on review of monitoring data. Program evaluations done annually during grant final reporting.

Dates: 09/2011 - 12/2011

Core Element: Monitoring and Assessment

Year: 2012

Action: Identify program decisions and long-term environmental outcome(s) that will benefit from a wetlands monitoring and assessment program. [Monitoring and Assessment, Objective 1.a.]

- **Activity:** Continue to collaborate with the PLPT Water Quality Program, collaboration includes information sharing, problem solving, and sharing in field work duties. Wetlands program staff consists of one full time employee, collaboration within the PLPT Environmental Department is necessary for program success.

Dates: 01/2012 - 12/2012

- **Activity:** Identify how wetland data can be used to implement watershed planning. Coordinate with water quality/nonpoint source program in any watershed based planning efforts.
Dates: 01/2012 - 12/2012

Action: Monitor wetland resources as specified in strategy. [Monitoring and Assessment, Objective 2.b.]

- **Activity:** Train staff to accomplish monitoring and assessment objectives defined in the PLPT Wetlands QAPP. Continue to attend monitoring and assessment trainings when offered in the region. Potential training topics include: bioassessment, California Rapid Assessment Method, wetlands monitoring/restoration/regulation, tribal grant programs.
Dates: Throughout the year when training is available.
- **Activity:** Complete wetlands monitoring and assessment activities defined in the PLPT Wetlands QAPP. Continuing long term monitoring and assessment activities include rapid assessments, water quality monitoring, and water and macroinvertebrate sampling.
Dates: 06/2012 - 09/2012
- **Activity:** Track sites that are monitored. Enter data into wetland data spreadsheets. Use monitoring and assessment data to track trends in wetland conditions and prepare annual reports on conditions.
Dates: 06/2012 - 12/2012

Action: Track monitoring data in a system that is accessible, updated on a timely basis, and integrated with other tribal water quality data. [Monitoring and Assessment, Objective 2.d.]

- **Activity:** Georeference data as it is gathered for reporting. Collect geographic coordinates at each data collection site. Continue to store georeferenced data in spreadsheets and GIS programs for mapping purposes.
Dates: 06/2012 - 09/2012

Action: Analyze monitoring data to evaluate wetlands extent and condition/function or to inform decision making. [Monitoring and Assessment, Objective 2.e.]

- **Activity:** Document data analysis and assessment procedures. Refine use of bioassessment metrics to assess wetland condition trends. Create a standard operating procedure checklist for PLPT Wetlands program analysis procedures to continue to strengthen the QA/QC capabilities and reporting of wetland conditions.
Dates: 06/2012 - 12/2012

- **Activity:** Establish baseline wetland condition. Using all data collected establish a baseline condition report for each monitoring location. Determine future needs of monitoring and assessment program.
Dates: 09/2012 - 12/2012
- **Activity:** Regularly report wetland status and trends. Develop end of year reports for EPA including site descriptions, status and trends information.
Dates: 09/2012 - 12/2012

Action: Evaluate monitoring program to determine how well it is meeting the monitoring program objectives. [Monitoring and Assessment, Objective 3.a.]

- **Activity:** Review other wetlands program elements and modify other aspects of wetlands program as needed based on review of monitoring data. Program evaluations done annually during grant final reporting.
Dates: 09/2012 - 12/2012

Core Element: Monitoring and Assessment

Year: 2013

Action: Identify program decisions and long-term environmental outcome(s) that will benefit from a wetlands monitoring and assessment program. [Monitoring and Assessment, Objective 1.a.]

- **Activity:** Continue to collaborate with the PLPT Water Quality Program, collaboration includes information sharing, problem solving, and sharing in field work duties. Wetlands program staff consists of one full time employee, collaboration within the PLPT Environmental Department is necessary for program success.
Dates: 01/2013 - 12/2013
- **Activity:** Identify how wetland data can be used to implement watershed planning. Coordinate with water quality/nonpoint source program in any watershed based planning efforts.
Dates: 01/2013 - 12/2013

Action: Monitor wetland resources as specified in strategy. [Monitoring and Assessment, Objective 2.b.]

- **Activity:** Train staff to accomplish monitoring and assessment objectives defined in the PLPT Wetlands QAPP. Continue to attend monitoring and assessment trainings when offered in the region. Potential training topics include: bioassessment, California Rapid Assessment Method, wetlands monitoring/restoration/regulation, tribal grant programs.
Dates: Throughout the year when training is available.

- **Activity:** Complete wetlands monitoring and assessment activities defined in the PLPT Wetlands QAPP. Continuing long term monitoring and assessment activities include rapid assessments, water quality monitoring, and water and macroinvertebrate sampling. Incorporate basic vegetation surveys into monitoring activities.

Dates: 06/2013 - 09/2013

- **Activity:** Track sites that are monitored. Enter data into wetland data spreadsheets. Use monitoring and assessment data to track trends in wetland conditions and prepare annual reports on conditions.

Dates: 06/2013 - 12/2013

Action: Track monitoring data in a system that is accessible, updated on a timely basis, and integrated with other tribal water quality data. [Monitoring and Assessment, Objective 2.d.]

- **Activity:** Georeference data as it is gathered for reporting. Collect geographic coordinates at each data collection site. Continue to store georeferenced data in spreadsheets and GIS programs for mapping purposes.

Dates: 06/2013 - 09/2013

Action: Analyze monitoring data to evaluate wetlands extent and condition/function or to inform decision making. [Monitoring and Assessment, Objective 2.e.]

- **Activity:** Analyze changes in wetland extent or condition relative to baseline conditions.

Dates: 06/2013 - 12/2013

- **Activity:** Regularly report wetland status and trends. Develop end of year reports for EPA including site descriptions, status and trends information.

Dates: 09/2013 - 12/2013

Action: Evaluate monitoring program to determine how well it is meeting the monitoring program objectives. [Monitoring and Assessment, Objective 3.a.]

- **Activity:** Review other wetlands program elements and modify other aspects of wetlands program as needed based on review of monitoring data. Program evaluations done annually during grant final reporting.

Dates: 09/2013 - 12/2013

Core Element: Regulation

Year: 2011

Action: Clearly identify a comprehensive scope of activities to be regulated. [Regulation, Objective 1.b.]

- **Activity:** Coordinate with other CWA regulatory programs to cover all impact types and methods. Continuing work via workgroups, meetings, and public comment.
Dates: 01/2011 - 12/2011

Action: Evaluation of 401 certification program. [Regulation, Objective 1.d.]

- **Activity:** Periodic reviews of tribal program to ensure all potentially regulated activities are addressed, and take appropriate programmatic action. Program evaluations done annually during grant final reporting to assess effectiveness of program.
Dates: 09/2011 - 12/2011

Action: Actively review proposed impacts to waters of the tribe. [Regulation, Objective 2.c.]

- **Activity:** Continue to review potential impacts on and off the reservation, submit comments, issue certifications.
Dates: 01/2011 - 12/2011

Action: Coordinate among agencies, programs, and industry groups to reduce duplicative efforts by the programs and the regulated public. [Regulation, Objective 2.e.]

- **Activity:** Continue to use joint review process and practices; ongoing coordination with ACOE and USFWS.
Dates: 01/2011 - 12/2011
- **Activity:** Issue certification decisions conditioned that they must meet the requirements of other agency permit decisions, e.g., section 7 consultation. Continued coordination with other agencies.
Dates: 01/2011 - 12/2011

Action: Require effective mitigation for authorized impacts. [Regulation, Objective 2.f.]

- **Activity:** If after review, impacts are authorized require effective mitigation through 401 certification conditions.
Dates: 01/2011 - 12/2011

Action: Track permit/certification program. [Regulation, Objective 2.g.]

- **Activity:** Create database to track permit/certification program activities. Will increase program organization and ability to track and report on program activities.
Dates: 06/2011 - 12/2011

- **Activity:** Map impact and mitigation sites. Use database to create maps of impact and mitigation sites for future use, use to show cumulative impacts.

Dates: 09/2011 - 12/2011

Action: Track/Evaluate [Regulation, Objective 2.h.]

- **Activity:** Use certification program database to evaluate 401 certification program implementation activities. Program evaluations done annually during grant final reporting.

Dates: 09/2011 - 12/2011

Action: Perform public education and outreach about wetland protection, regulated waters and activities, and authorization process. [Regulation, Objective 2.e.]

- **Activity:** Make education/outreach documents or activities available on important programmatic topics. Participate in various local events and update website when needed.

Dates: 01/2011 - 12/2011

Core Element: Regulation

Year: 2012

Action: Ensure the appropriate wetlands definition is included in PLPT WQCP. [Regulation, Objective 1.a.]

- **Activity:** Coordinate with water quality program to include appropriate wetlands definition in the PLPT WQCP, during triennial review of WQS. Currently wetlands are listed as protected waters but there is no definition in glossary.

Product: Revised version of WQCP to include definition of wetlands.

Dates: 01/2012 - 06/2012

Action: Clearly identify a comprehensive scope of activities to be regulated. [Regulation, Objective 2.b.]

- **Activity:** Coordinate with other CWA regulatory programs to cover all impact types and methods. Continuing work via workgroups, meetings, and public comment.

Dates: 01/2012 - 12/2012

Action: Evaluation of 401 certification program. [Regulation, Objective 1.d.]

- **Activity:** Periodic reviews of tribal program to ensure all potentially regulated activities are addressed, and take appropriate programmatic action. Program evaluations done annually during grant final reporting to assess effectiveness of program.

Dates: 09/2012 - 12/2012

Action: Actively review proposed impacts to waters of the tribe. [Regulation, Objective 2.c.]

- **Activity:** Continue to review potential impacts on and off the reservation, submit comments, issue certifications.
Dates: 01/2012 - 12/2012

Action: Adopt and apply comprehensive project review criteria. [Regulation, Objective 2.d.]

- **Activity:** Create official review criteria comparable to 404(b)(1) Guidelines for assessing and minimizing impacts. Currently ongoing review but no official documented procedures.
Product: Review Criteria for Assessing and Minimizing Impacts
Dates: 06/2012 - 12/2012

Action: Coordinate among agencies, programs, and industry groups to reduce duplicative efforts by the programs and the regulated public. [Regulation, Objective 2.e.]

- **Activity:** Continue to use joint review process and practices; ongoing coordination with ACOE and USFWS.
Dates: 01/2012 - 12/2012
- **Activity:** Issue certification decisions conditioned that they must meet the requirements of other agency permit decisions, e.g., section 7 consultation. Continued coordination with other agencies.
Dates: 01/2012 - 12/2012

Action: Require effective mitigation for authorized impacts. [Regulation, Objective 2.f.]

- **Activity:** If after review impacts are authorized require effective mitigation through 401 certification conditions.
Dates: 01/2012 - 12/2012

Action: Track permit/certification program. [Regulation, Objective 2.g.]

- **Activity:** Track permit/certification program activity. Enter information about program activity into database as activity takes place.
Dates: 01/2012 - 12/2012
- **Activity:** Map impact and mitigation sites. Use database to create maps of impact and mitigation sites for future use, use to show cumulative impacts.
Dates: 09/2012 - 12/2012

Action: Track/Evaluate [Regulation, Objective 2.h]

- **Activity:** Use certification program database to evaluate 401 certification program implementation activities. Program evaluations done annually during grant final reporting.
Dates: 09/2012 - 12/2012

Action: Monitor the implementation of permit/certification conditions. [Regulation, Objective 3.a.]

- **Activity:** Track the implementation of permit/certification conditions. Enter information into database during periodic review of authorized certifications. Include information in final reports.
Dates: 01/2012 - 12/2012

Action: Perform public education and outreach about wetland protection, regulated waters and activities, and authorization process. [Regulation, Objective 3.e.]

- **Activity:** Make education/outreach documents or activities available on important programmatic topics. Participate in various local events and update website when needed.
Dates: 01/2012 - 12/2012

Action: Measure environmental results. [Regulation, Objective 3.f.]

- **Activity:** Using 401 program activities database, monitor and develop report on permitted activities and mitigation site information to measure any change in condition.
Dates: 06/2012 - 12/2012

Core Element: Regulation

Year: 2013

Action: Clearly identify a comprehensive scope of activities to be regulated. [Regulation, Objective 1.b]

- **Activity:** Coordinate with other CWA regulatory programs to cover all impact types and methods. Continuing work via workgroups, meetings, and public comment.
Dates: 01/2013 - 12/2013

Action: Evaluation of 401 certification program. [Regulation, Objective 1.d.]

- **Activity:** Periodic reviews of tribal program to ensure all potentially regulated activities are addressed, and take appropriate programmatic action. Program evaluations done annually during grant final reporting to assess effectiveness of program.
Dates: 09/2013 - 12/2013

Action: Actively review proposed impacts to waters of the tribe. [Regulation, Objective 2.c.]

- **Activity:** Continue to review potential impacts on and off the reservation, submit comments, issue certifications, etc.
Dates: 01/2013 - 12/2013

Action: Coordinate among agencies, programs, and industry groups to reduce duplicative efforts by the programs and the regulated public. [Regulation, Objective 2.e.]

- **Activity:** Continue to use joint review process and practices; ongoing coordination with ACOE and USFWS.
Dates: 01/2013 - 12/2013
- **Activity:** Issue certification decisions conditioned that they must meet the requirements of other agency permit decisions, e.g., section 7 consultation. Continued coordination with other agencies.
Dates: 01/2013 - 12/2013

Action: Require effective mitigation for authorized impacts. [Regulation, Objective 2.f.]

- **Activity:** If after review impacts are authorized require effective mitigation through 401 certification conditions.
Dates: 01/2013 - 12/2013

Action: Track permit/certification program. [Regulation, Objective 2.g.]

- **Activity:** Track permit/certification program activity. Enter information about program activity into database as activity takes place.
Dates: 01/2013 - 12/2013
- **Activity:** Map impact and mitigation sites. Use database to create maps of impact and mitigation sites for future use, use to show cumulative impacts.
Dates: 09/2013 - 12/2013

Action: Track/Evaluate [Regulation, Objective 2.h.]

- **Activity:** Use certification program database to evaluate 401 certification program implementation activities. Program evaluations done annually during grant final reporting.
- **Dates:** 09/2013 - 12/2013

Action: Monitor the implementation of permit/certification conditions. [Regulation, Objective 3.a.]

- **Activity:** Track the implementation of permit/certification conditions. Enter information into database during periodic review of authorized certifications. Include information in final reports.
Dates: 01/2013 - 12/2013

Action: Perform public education and outreach about wetland protection, regulated waters and activities, and authorization process. [Regulation, Objective 3.e.]

- **Activity:** Make education/outreach documents or activities available on important programmatic topics. Participate in various local events and update website when needed.
Dates: 01/2013 - 12/2013

Action: Measure environmental results. [Regulation, Objective 3.f.]

- **Activity:** Using 401 program activities database, monitor and develop report on permitted activities and mitigation site information to measure any change in condition.
Dates: 06/2013 - 12/2013

Core Element: Voluntary Restoration and Protection

Year: 2011

Action: Establish goals that are consistent or compatible across relevant agencies. [Restoration and Protection, Objective 1.a.]

- **Activity:** Continue to evaluate potential restoration sites and coordinate with relevant agencies (EPA, USFWS, NRCS, etc.) that outline restoration/protection goals and strategies and timeframes.
- **Dates:** 01/2011 - 12/2011

Action: Consider watershed planning, wildlife habitat, and other objectives when selection restoration/protection sites. [Restoration and Protection, Objective 1.b.]

- **Activity:** Using established goals continue to coordinate and share priorities with other organizations involved in wetland protection and restoration and other water quality protection programs.
Dates: 01/2011 - 12/2011

Action: Establish partnerships to leverage additional protection. [Restoration and Protection, Objective 2.a]

- **Activity:** Continue to coordinate and share priorities with partners to leverage wetland protection funding.

Dates: 01/2011 - 12/2011

Action: Establish and institutionalize long term protection. [Restoration and Protection, Objective 2.b]

- **Activity:** Develop management plans for Numana Wetlands.

Dates: 01/2011 - 09/2011

Product: Numana Wetlands Management Plan

Core Element: Voluntary Restoration and Protection

Year: 2012

Action: Establish goals that are consistent or compatible across relevant agencies. [Restoration and Protection, Objective 1.a.]

- **Activity:** Continue to evaluate potential restoration sites and coordinate with relevant agencies (EPA, USFWS, NRCS, etc.) that outline restoration/protection goals and strategies and timeframes.

Dates: 01/2012 - 12/2012

Action: Consider watershed planning, wildlife habitat, and other objectives when selection restoration/protection sites. [Restoration and Protection, Objective 1.b.]

- **Activity:** Using established goals continue to coordinate and share priorities with other organizations involved in wetland protection and restoration and other water quality protection programs.

Dates: 01/2012 - 12/2012

Action: Establish partnerships to leverage additional protection. [Restoration and Protection, Objective 2.a.]

- **Activity:** Continue to coordinate and share priorities with partners to leverage wetland protection funding.

Dates: 01/2012 - 12/2012

Core Element: Voluntary Restoration and Protection

Year: 2013

Action: Establish goals that are consistent or compatible across relevant agencies. [Restoration and Protection, Objective 1.a.]

- **Activity:** Continue to evaluate potential restoration sites and coordinate with relevant agencies (EPA, USFWS, NRCS, etc.) that outline restoration/protection goals and strategies and timeframes.
Dates: 01/2013 - 12/2013

Action: Consider watershed planning, wildlife habitat, and other objectives when selection restoration/protection sites. [Restoration and Protection, Objective 1.b.]

- **Activity:** Integrate restoration/protection efforts on a watershed or landscape scale. Continue to coordinate with water quality/NPS program in watershed planning efforts.
Dates: 01/2013 - 12/2013
- **Activity:** Using established goals continue to coordinate and share priorities with other organizations involved in wetland protection and restoration and other water quality protection programs.
Dates: 01/2013 - 12/2013

Action: Establish partnerships to leverage additional protection. [Restoration and Protection, Objective 2.a.]

- **Activity:** Continue to coordinate and share priorities with partners to leverage wetland protection funding.
Dates: 01/2013 - 12/2013

Action: Monitor restoration/protection sites to ensure that they are implemented and managed correctly and linked to relevant watershed planning efforts. [Restoration and Protection, Objective 4.a]

- **Activity:** Monitor effectiveness of restoration/protection sites. Provide before and after monitoring activities to projects to measure environmental results.
Dates: 01/2013 - 12/2013
- **Activity:** Regularly report wetland restoration/protection efforts to relevant cooperating agencies, adhering to agency reporting requirements.
Dates: 01/2013 - 12/2013