

**PURPOSE OF PLAN: Define actions for implementing recommendations to improve water quality and to maintain and improve the fishery. The plan will be reviewed and revised biannually. The Petenwell and Castle Rock Stewards (PACRS) Steering Committee is responsible for plan implementation.**

**Goals are stated in bold type and describe the desired results.**

Actions items are stated in standard type and describe the methods to be completed, who will complete the methods and when the methods will be completed.

**1. Educate public on activities associated with Petenwell and Castle Rock Flowages.**

|   | <u>WHO</u>               | <u>WHEN</u> |
|---|--------------------------|-------------|
| a. Develop a "canned" resolution that citizens can take to their town or village boards in support of efforts to clean up the flowages. | PACRS Steering Committee | 2009        |
| b. Present "Wisconsin River 101" educational forum in the summer, in Juneau County.   | PACRS Steering Committee | 2009        |
| c. Develop a presentation about PACRS goals and activities – for town boards, association boards, et                                    | Adams LWCD and RAW       | 2009        |

**2. Better characterize water quality and track trends.**

|   | <u>WHO</u>               | <u>WHEN</u> |
|---|--------------------------|-------------|
| a. Invite RAW and DNR to educate group about volunteer stream monitoring activities   | PACRS Steering Committee | 2010        |
| b. Develop strategy to monitor flowages monthly (April to October) for clarity, phosphorus and Chlorophyll a and present to PACRS Steering Committee. | LWCD's, WDNR,            | 2010        |
| c. Seek funding to implement strategy to monitor flowages monthly (April to October) for clarity, phosphorus and Chlorophyll a.                       | LWCD's and PACRS         | 2011        |
| d. Implement strategy to monitor flowages monthly (April to October) for clarity, phosphorus and  | LWCD's and PACRS         | 2012-2013   |

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**3. Decrease point source and non-point source phosphorus loading to the greatest extent possible.**

|  | <u>WHO</u>                  | <u>WHEN</u>              |
|--|-----------------------------|--------------------------|
| a. Participate in the wastewater discharge permit process to encourage phosphorus inputs be limited to the greatest extent possible by law.  | PACRS Steering Comm         | when permits are renewed |
| b. Encourage WDNR to implement a "Total Maximum Daily Load" study for Big Eau Pleine River   | PACRS Steering Comm         | 2009                     |
| c. Continue installing shoreline restoration projects on WRPCO land as stated in Federal Energy Regulatory Commission agreement.   | WRPCO                       | annually                 |
| d. Develop relations with upstream counties to communicate downstream concerns by conducting a bus tour of farming areas in Wood and Portage Counties.   | River Alliance of Wisconsin | 2009                     |
| e. Write a letter to legislators urging support for AB 3, the lawn phosphorus ban.   | PACRS Steering Comm         | 2009                     |
| f. Inventory shorelines to determine shoreline improvement needs, apply for WDNR Lake Protection Grants for shoreline improvement projects.  | Adams/Juneau LWCD           | 2011                     |
| g. Design and oversee construction of shoreline restoration projects on non WRPCO lands  | Adams & Juneau LWCD         | 2012 to 2013             |
| h. Develop a strategy for the purpose of regulating all septic systems according to Wisconsin Administrative Code COMM 83.   | PACRS Steering Comm         | 2010                     |
| i. Organize a summit (tentatively titled "The Politics of Phosphorus"). Invite other groups from around the state facing the same phosphorus/algae problems we are – as a way to exchange information but also to build a political voice for this issue | PACRS Steering Comm         | 2009                     |

**4. Create a formal organization for the purpose of implementing the PACRS Action Plan.**

|  |       |      |
|--|-------|------|
| a. Implement strategy to develop a Federation of organizations for the purpose of implementing the PACRS Action Plan.        | PACRS | 2009 |
| c. Review the effectiveness of the Federation and examine the possibility of transforming the Federation to a lake district. | PACRS | 2012 |

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|  | <u>WHO</u>           | <u>WHEN</u> |
|--|----------------------|-------------|
| <b>5. Increase aquatic plants within littoral zones so the plants will utilize nutrients while providing aquatic wildlife habitat.</b>           |                      |             |
| c. Develop plan to install aquatic plant enhancement projects in littoral zone of Petenwell Flowage.   | WDNR                 | 2011        |
| d. Seek funding for aquatic plant enhancement projects in littoral zone of Petenwell Flowage.  | PACRS                | 2012        |
| e. Install aquatic plant enhancement projects in the littoral zone of Petenwell Flowage.   | LWCD's, PACRS, WRPCO | 2013        |
| f. Seek funding to conduct aquatic plant surveys for the purpose of designating critical habitat areas which will improve predator fish habitat. | Adams & Juneau LWCD  | 2010        |
| g. Complete aquatic plant surveys/reports and designate critical habitat sites to improve  | Adams & Juneau LWCD  | 2011        |
| <b>6. Prevent new exotic species from spreading to Flowages and control existing exotic species within the Flowages.</b>                         |                      |             |
| a. Continue to monitor and implement an integrated plan to control exotic species.   | WRPCO                | annually    |
| <b>7. Reduce Carp population to a manageable level.</b>  |                      |             |
| a. Continue stocking pike, muskies and lake sturgeon as funding allows.  | WDNR, PACRS          | annually    |
| b. Educate PACRS and public on carp life cycle & past methods of control investigated and used.  | WDNR                 | 2010        |
| c. Conduct fishery inventory to determine present Carp pounds per acre.<br>Reference point: 1994 average was 230 pounds per acre.                | WDNR                 | 2010        |
| d. Determine the pounds per acre manageable level.   | PACRS and WDNR       | 2010        |
| e. Research Carp disposal options for the purpose of developing carp removal plan.   | PACRS                | 2010        |