

NEWMAN LAKE FLOOD CONTROL ZONE DISTRICT

Implementation Plan Outline for the Comprehensive Plan of Development for Stormwater Control in the Newman Lake Watershed

This Implementation Plan will be integrated into the Newman Lake Flood Control Zone District (District) Policy and Procedures and annual Budget planning process. This Plan will be implemented in cooperation with and with the assistance of the Newman Lake Watershed Committee (NLWC) and the Newman Lake Properties Owners Association (NLPOA).

Notes: 1. District funding for Plan components is limited to Newman Lake water quality benefit assessment funding. District efforts will therefore be directed to Newman Lake watershed and water quality impacts only.

2. This is a long-term plan of action and dates and effort/funding estimates are guidelines for project prioritization and planning only. This is especially true of large restoration projects, dependent on obtaining private property owner cooperation and grant/long-term loan funding.

3. Many items fall into different categories. For example, work by volunteers in watershed monitoring and restoration also helps educate the community on the sensitivity of the watershed to disturbances. However, these items are listed only once to avoid confusion on total effort required.

4. This version without dates and time/\$ estimates due to space constraints.

A. Comprehensive Plan Recommendation #1: Implement a whole-watershed management policy to improve implementation and encourage enforcement of existing land use regulations including erosion control ordinances.

Implementation Plan Items:

1. Use District resources to coordinate and improve enforcement of county ordinances and state regulations that impact Lake Water Quality (including Spokane County Shoreline and Critical Areas Ordinances, Spokane County Stormwater Guidelines / Erosion and Sediment Control Ordinance, Spokane County approach and grading permits, DNR Forest Practice Applications, DFW Hydraulic Project Approvals, and DOE Water Quality regulations) with the following:
 - a. Improve identification of potential violations and problem areas with the use of current District staff and Newman Lake SCOPE volunteers to monitor watershed problems. Continue to encourage watershed residents to call in any potential violations.
 - b. Notify appropriate agencies of potential violations and permit review concerns. Forward photos as necessary. Develop network in agencies to speed actions and have them meet with the community. Have list/checklist of who to call in what situations to make response easier.
 - c. Notify property owners/violators in writing, educating on why and how they can fix the problem, request their cooperation and refer them to appropriate agencies. Notify NLWC by copy for follow-up.
 - d. Review (and ensure District receives) construction or use permit applications for review from applicable agencies.
 - e. Continue reviewing and sending out FPA comment/education letters.
 - f. Set-up and maintain data base of identified violations including date, location (incl. address, parcel #, sub-watershed), property owner, date agencies notified, date letter sent, description of problem, any agency or district follow-up actions, etc.
 - g. Follow-up with agencies and with in-field inspections to encourage enforcement and document BMP's installed. This would be done by Newman Lake Watershed monitoring (volunteer) committee.
2. Specific NL Watershed Stormwater ordinances are not feasible at this time. Therefore, the District and NLWC will review new ordinances or ordinance updates and revisions for opportunities to improve protection of the Newman Lake Watershed. This will include Spokane County Erosion and Sediment Control Ordinance, Spokane County Stormwater Guidelines, Spokane County's proposed new Timber Harvest Ordinance, DNR's Forest Practice regulations and Thompson Creek Watershed Prescriptions, and future Phase II NPDES Stormwater permit requirements.

Benefits: 1. This is a “whole watershed” approach to coordination, implementation, and enforcement of regulations.

2. By providing “eyes and ears” to over worked enforcement agencies we can improve enforcement of existing regulations.
3. Follow-up will help ensure continuing involvement of agencies.
4. Tracking these efforts in a database will allow us to demonstrate to that we are making progress in source control in the watershed.
5. These efforts will also allow us to better distribute materials to property owners to implement BMP’s and monitor implementation.

B. Comprehensive Plan Recommendation #2: Provide Education to Establish Motivation within the Community.

1. With NLWC and NLPOA, the District will prepare and distribute three newsletters per year to all Newman Lake area residents, informing residents of watershed applicable ordinances and regulations, lake water quality reports, activities of the District, NLWC and NLPOA, etc. The District will provide all printing and mailing costs. The newsletter will be produced with volunteer labor with one issue coordinated by the District.
2. NLWC will hold regular meetings to discuss priorities and goals, current activities and speakers on current topics of interest. Participants to include interested community residents and property owners, agency representatives, and a District representative
3. Assist NLWC with funding for preparation of educational materials and pamphlets, e.g. BMP’s, ORV use, shoreline protection, aquatic weed control, nutrient reduction, etc.
4. With NLWC and WSU, involve students and residents in installing signage, doing restoration projects, stream and lake monitoring, and Nature mapping.
5. Set up NLWC and District Home page with NLWC assistance.

C. Comprehensive Plan Recommendation #3: Implementation of Restoration Projects.

1. With NLWC, explore options and work with property owners on inlet riparian, wetland and flood plain preservation, with priority to Thompson creek. This will be done with WSU and NRCS technical assistance.
 - a. Thompson Creek (lower 1-2 miles) that was channeled about 100 years ago. Pursue opportunities to preserve associated wetlands through Conservation Futures, NRCS wetland reserve, or private preservation programs. Restore riparian and wetland areas as recommended by NRCS or other experienced hydrologists.
 - b. Temple Rd. drainage (Inlet 9)- Continue work with NRCS and Twin Cedars Condo Assoc. owners to restore and place sediment controls on the lower inlet. Begin to work with upper inlet property owners exploring restoration and road relocation options.
 - c. Mountain View Rd. drainage (Inlet 8)
2. Pursue grant/long-term loan opportunities for restoration funds for and implement restoration of:
 - a. Thompson creek
 - b. Temple Rd. drainage (Inlet 9)
 - c. Mountain View Rd. drainage (Inlet 8)

D. Comprehensive Plan Recommendation #4: Implementation of other Structural Best Management Practices (BMP’s).

1. Work with NLWC and private property owners to reduce use and impact of ORV’s in Newman Lake watershed. Provide signage and information materials. Revisit county road closure issue.
2. Work with County Road Dept. in maintaining and using BMP’s in Newman Lake watershed to minimize county road erosion problems.
 - a. Implement BMP’s and restoration projects within Thompson creek road right-of-way at ORV area above gate.
 - b. Install detention basins or ponds at West Newman Lake Rd. / Temple Creek drainage
 - c. Install detention basins or ponds at West Newman Lake Rd. / Mountain View Rd. drainage
3. Provide funding for materials such as planting and seeds, fencing, signage, gravel, for private property owner implementation of BMP’s.
4. Provide permitting assistance for property owners to implement BMP’s

E. Comp Plan Recommendation # 5: Although previous septic testing has not identified a major problem with septic wastes, systems should be limited on Lakeshore.

1. With WSU assistance, monitor during high water or high use times in lake for possible contaminants with a “peeper meter”.
2. Coordinate with Spokane Regional Health District on septic high concern areas, implementing updated testing in problem areas or areas identified through in-lake testing. Encourage septic upgrades when property is undergoing conversion, remodel or addition. Ask Health Dept. to consider strengthening upgrade requirements for Newman Lake Watershed if required.

F. Comprehensive Plan Recommendation #6: Operate Aeration and Alum Injection system to control internal nutrient loading.

Operate Aerator and Alum Injection System per operating plans and NPDES permit. Monitoring will continue for negative impacts of continuous alum injection. Long term alum use will continue only as required and if no negative impacts. Long term goal is to reduce or even eliminate alum usage. Obtain NPDES permit renewal for Alum Injection System by July 1, 2000. Benefits include control of internal nutrient loading which is approximately 50% of nutrient source in Newman Lake. Also, improved clarity/water quality provided by aeration and alum injection encourages positive community involvement in Lake and watershed management.

G. Water Quality Monitoring:

1. Monitor Lake and Thompson Creek inlet Water Quality with WSU assistance per existing contract. Monitoring will meet NPDES permit requirements, input for operation of alum and aeration system, and to determine Comprehensive Plan implementation effectiveness.
2. Investigate options, and if feasible, plan and organize volunteer assisted stream monitoring program based on DNR watershed analysis monitoring module and or WSU current and past monitoring. WSU to provide volunteer training. NLWC to provide and coordinate volunteers.

H. Annual “State of the Lake” Report:

Prepare annual Report that includes a summary of water quality monitoring and documentation of all watershed efforts and results under all the categories listed above. Report to include maps of areas/locations of BMP’s, violations and enforcement actions. This report will be published in the newsletter, documented in District budget/annual review process, and forwarded to DOE as part of the NPDES permit requirements. This annual report will also substitute for the submittal of water quality test data now included in the monthly NPDES Discharge Monitoring Reports (DMR’s).