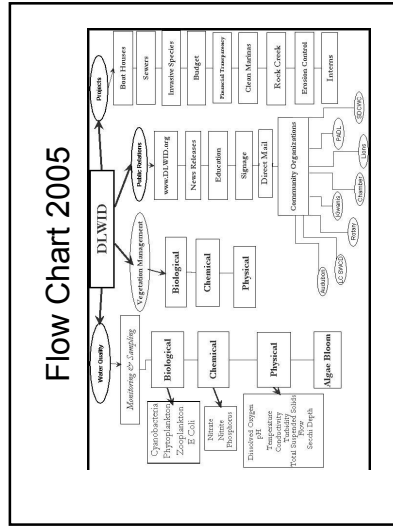


- GOALS and "DREAMS" for Devils Lake:
- I. Improved Water Quality
 - Steps to Implement:
 - A. Storm drain improvements
 - B. Septic management district (nutrient trap system)
 - C. Native vegetation along lake shore (and in front of existing seawalls)
 - D. Reestablished vegetation and refuge areas for waterfowl and aquatic inhabitants. Restoration of healthy food chain.
 - E. Non phosphate fertilizer requirement
 - F. No additional shoreline protection (rip rap, sea wall)
 - G. Increased enforcement and standards for erosion control
 - H. Set backs required for building/improvements
 - I. Encourage naturescaping (no lawns and no herbicide use)
 - J. Native vegetation nurseries to form basis of recolonization

- ### Summary 1999-2000
- Erosion Prevention & Sediment Control
 - Sewering & Spill Reduction
 - Stormwater Ordinance
 - Monitoring—*E. coli*
 - Education
 - Outlet Structure Maintenance
 - Grass Carp

- ### Summary of high priority items for DLWID during 2000-2001
- (In no particular order)
- Phased Grass Carp Reduction and Revegetation Plan
 - Education
 - Erosion Prevention & Sediment Control
 - Sewering and Reduction in Sewage Spills
 - Continue long-term monitoring program



- ### Last Goal Setting Workshop
- Last Workshop: February 16, 2008
 - Stakeholder Summit: July, 29, 2008
 - FY 2009-2010 Goals: Retained FY 08-09
 - Incomplete
 - Partially Complete
 - Complete

- ### Goals Identified (2008-02-16)
- Create Lake Management Plan – (Drafts & Revisions)
 - Investigate grants for septic tank revitalization
 - CAFÉ – identify parcels
 - SolarBee Brochure
 - Matching \$\$\$ for SolarBee
 - Research Matching \$\$\$ for debris cleanup
 - Research subsidizing Phosphate-Free Fertilizer

Actions Items

- Ongoing Monitoring
- Letter from the Chair to the City
- Boathouse/Boat Docks Standard --- (Ongoing)
- Monitor D River Dredging Permit Process
- Additional Signage
- Ongoing Outreach
 - Erosion Control Seminar, KBCH, Service Clubs
- SOLV, Senior Fair, "Get the Lead Out"
- Press Releases
- Purchase Cyanotoxin Monitoring Equipment

New Ideas, for consideration.

- Bioswales/Rain Gardens (PADL & City at HS Drive)
- Septic System Revolving Fund (DEQ & Shorebank)
- D River Dam Repair (Dam Improved)
- Intern (3 interns and 1 RARE participant to date)
- Large Debris Clean Up

Devils Lake Plan

Two phase approach

Formulate.....

- Draft Chapters and Objectives
- Hold Stakeholder Meeting
- Ongoing Board Input
- Consultant Additions
 -While Implementing
- SolarBees (Since 2006)
- Native Vegetation (Since 2007)
- DEQ Database & Model (Since 2008)
- Monitoring: Cyano-Watch and *E. coli* (Since 2006)
- Intern program (Since 2007)

Timeline – Summer 2008

- PLAN
 - Chapters and Objectives Presented (May)
 - Stakeholder Letters (May)
 - 1st Draft (July)
 - Stakeholder Meeting (July)
 - Board Input (August - Ongoing)
 - Plan revisions (Sept, Dec.)

Summer 2008

- SolarBees
 - Q & A with Joe Eilers of SolarBee
 - Ongoing Correspondence
- Native Vegetation
 - DSL & USACE removal/fill permit application
 - Lake Level
 - Report to Water Resources
 - Airing of State's & Public's concerns
 - Campground flooding, erosion, loss of recreation, and saturated soils leading to sloughing

Fall/Winter 2008

- SolarBee
 - Presentations
 - Knud-Hansen & Eilers
 - Grant/Loan Research & Submittals
 - Cash Flow Analysis
 - EPA: West Coast Estuaries Initiative
 - SDAO Flex-lease
 - TLC: Loan Opportunities
 - NOAA: ARRA
 - DEQ revolving loan program

Fall/Winter 2008

- Native Vegetation
 - DSL Easement Application
 - Tetra Tech Contract Negotiations (Meeting at NALMS)
 - Removal/Fill permit refinements
 - NOAA Biological Assessment Submission
 - ODFW Concerns (Meetings and Communications)
 - Marine Board Concerns
- Lake Level
 - Emergency Dredging Conducted
 - Blog setup, voting irregularities
- DEQ Database & Model
 - Submitted

Spring 2009

- SolarBees
 - Revised Cost Proposal Received
 - Website Updated
 - Flier Distributed
 - Signage Put Out
- Native Vegetation
 - DSL/US ACE applications withdrawn

Spring 2009

- Lake Level
 - Water Resources Investigation
 - Staff Presentation
 - April Meeting/Decision
- DEQ Grant
 - Database Portion Awarded
- RARE Application: (Items chosen from Devils Lake Plan)
 - Septic Revitalization
 - Save our Shoreline (SOS)
 - Monitoring Support

Summer 2009

- SolarBees
 - May Meeting: Slideshow & Public Input
 - June Meeting: Decision
 - Further investigation Boating Hazards & Cyanobacteria
 - Funding Updates
 - Water Quality Updates
- Native Vegetation
 - ODFW Director
 - ODFW Newport

Summer 2009

- DEQ Grant: Database
 - Reformulation and resubmission
 - Coordination with Dr. Ford
- Lake Level
 - Dam set to 9.53' above MSL
 - Upgrades to wooden structure
 - Public's input

Summer 2009

- Monitoring
 - Internship
 - Hannah Nicholls
 - E. coli
 - Cyanobacteria
 - OSU Master Student Kara Hitchko
- Other
 - RARE Interviews
 - Communication Committee Formed

Fall/Winter 2009

- SolarBees
- Blue Lake Report
- Hazards Report
- Native Vegetation
- Tetra Tech Agreement
- Lake Level
- Dam Removed for winter
- Emergency Dredging

Fall/Winter 2009

- RARE Program Starts
- Seth Lenaerts
- Septic Tank Revitalization Program
- Save our Shoreline
- Monitoring
- Listserve
- Nutrient Budget RFP
- Created RFP
- Received 1 response
- Oregon Lakes Association
- Sponsored & Hosted Annual Conference

Devils Lake Plan

- I. Introduction
- II. History
- III. Current Status
- IV. Intent and Reasons for Lake Management
- V. Tools for Lake Management**
- VI. Funding Opportunities
- VII. Implementation & Timelines
- VIII. Assessment & Evaluation

Tools: External Controls

- Septic Tank Revitalization
- Stormwater Management
- Wetland Protection, Creation & Enhancement
- Shoreline and Riparian Vegetation
- Erosion Prevention and Sediment Control
- Sanitary Sewer
- Phosphorus Reduction
- Low Impact Development
- Toxicant Reduction & Abatement

Tools: Internal Treatments

- Whole Lake Circulation
- Native Vegetation
- Invasive Species Management
- Grass Carp

Tools: Research, Education & Outreach

- The Café
- Volunteerism
- Networking
- Website
- Signage
- Radio
- Television
- Newsprint

Projections & Ongoing Commitments for 2010-2011

- SolarBee
 - Evaluate Recent Findings
 - Establish Level of Priority
- Native Vegetation
 - Native Planting Guide (Tetra Tech)
 - Online Tools
 - Planting Projects
- Lake Level
 - Evaluate Last Year --- Establish Current year Protocol
 - Emergency Dredging Permit
 - Dam Maintenance --- Retiring Lake Contractor
 - RFP Excavator Contractors

Projections & Ongoing Commitments for 2010-2011

- RARE Program
 - Septic Tank Revitalization Program
 - Save our Shoreline
- Monitoring
 - E. coli
 - Cyanobacteria
 - Cyanotoxins
- BoatHouse/Docks
 - Second Hearing with County

Projections & Ongoing Commitments for 2010-2011

- Devils Lake Plan
 - Additions
 - Revisions
 - Consultant Input
 - Final Draft
- Nutrient Model
 - Simple Bathub model

Projections & Ongoing Commitments for 2010-2011

- Outreach
 - Website
 - Listserve
 - Water Bill Announcement
 - Radio, KBCH and Low Power
 - Conferences, NALMS & OLA
 - SOLV
 - Get the Lead Out
 - Lake Steward Award
 - Senior Fair
 - Earth Day

Projections & Ongoing Commitments for 2010-2011

- DEQ Database
 - IQAPP & SAP
 - Data Entry
 - Database formulation
- Property Issues
 - Site Plan reviews
 - Water Right Applications
 - Wetland Removal/Fill
 - Complaints

Projections & Ongoing Commitments for 2010-2011

- Financials
 - Audit
 - Budget
 - Accounting
 - Tax Reporting
- Affiliations and Partnerships
 - PADL, OLA, SDCWC, Lincoln SWCD
 - Local, State, Federal & Tribal Gov'ts