

St. Joe/St. Maries Watershed Advisory Group Meeting

April 16, 2010
St. Maries Fire Station



Agenda

- Introductions
- BURP
- 2003 Sediment TMDLs
 - St. Joe
 - St. Maries
- TMDL Implementation Past and Present
- WAG Housekeeping
 - Formal WAG membership
 - Operating procedures
- Future WAG meetings

Introductions

- Tyson Clyne
Watershed Coordinator
Idaho Department of Environmental Quality

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Coeur d'Alene, ID 83814

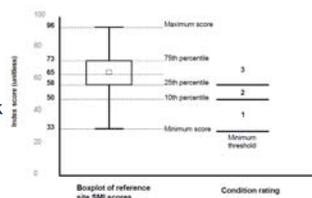
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Beneficial Use Recon. Program (BURP)

- Collects physical, chemical and biological data
- Data evaluated using WBAGII
- Sites not meeting cutoff are listed as impaired or investigated in more depth
- Failing sites (Integrated Report) are basis for TMDLs

Beneficial Use Recon. Program (BURP)

- Reference sites
 - Mosquito Creek
 - Fly Creek
 - Copper Creek
 - Skoockum Creek



Beneficial Use Recon. Program (BURP)

248 BURP sites from 1994-2008



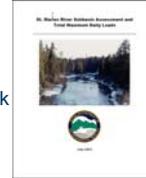
Beneficial Use Recon. Program (BURP)

- Sites used in the 2003 TMDLs
 - St. Joe – 62 sites / St. Maries – 48 sites



2003 Sediment TMDLs

- St. Joe
 - Fishhook Creek
 - Mica Creek
 - Bear/Little Bear Creek
- St. Maries
 - Entire watershed



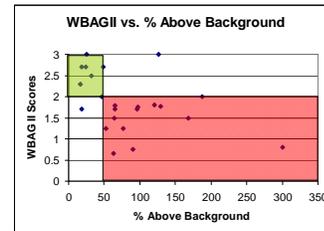
2003 Sediment TMDLs

- How were they developed?
 - Utilized computer modeling
 - Classified land use types
 - Applied a sediment yield coefficient to each land use type

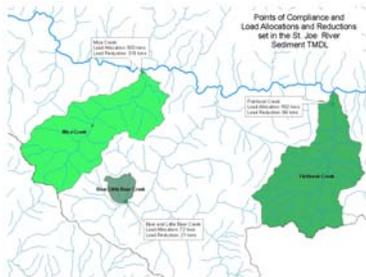


2003 Sediment TMDLs

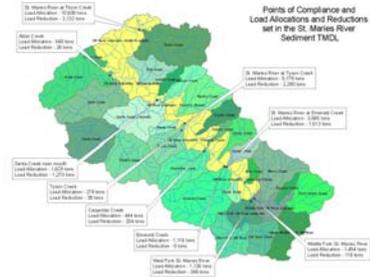
- Model outputs compared to BURP scores to determine TMDL target



2003 Sediment TMDLs – St. Joe

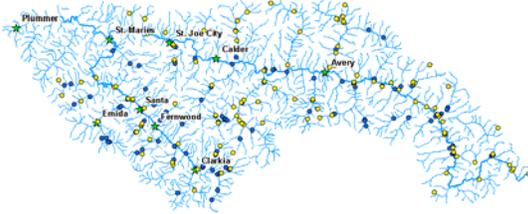


2003 Sediment TMDLs – St. Maries



Beneficial Use Recon. Program (BURP)

- New BURP data yellow – 133 sites
- Old BURP data blue – 110 sites

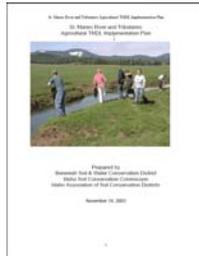


TMDL Implementation Past and Present

- TMDL Implementation
 - Idaho Dept. of Lands
 - Timber harvest, oil and gas exploration, and mining
 - Idaho Soil Conservation Commission
 - Grazing and agriculture
 - Idaho Transportation Department
 - Public roads
 - Idaho DEQ
 - All other activities

TMDL Implementation Past and Present

- Plans
 - St. Maries River and Tributary Implementation Plan, Benewah Soil and Water Con. District
 - Identified 10 projects



Available on WAG webpage
http://www.deq.idaho.gov/about/regions/st_joe_st_maries_wag/index.cfm

TMDL Implementation Past and Present

- Santa Creek
 - 3 phases from 2002-2006
 - Install fencing, hardened structures, rock chutes, riparian plantings, habitat structures and bank stabilization – estimated 761 ton reduction



TMDL Implementation Past and Present

- Fishhook Creek slide stabilization
 - Stabilized chronic mass wasting area adjacent to Fishhook Creek



TMDL Implementation Past and Present

- WF/MF St. Maries River and Solider Creek watershed road work
 - Replaced 7 undersized culverts
 - Improved the surface of 3.4 miles of road

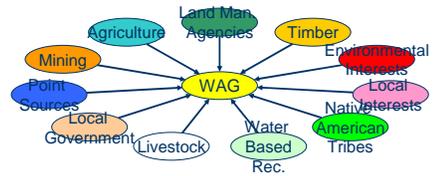


TMDL Implementation Past and Present

- Other projects
 - River bank stabilization
 - Road work
 - Culvert replacements
 - Riparian planting
 - Etc.

WAG Housekeeping

- Formal membership
 - Representative from each interest group
 - Operating procedures



Future Meeting

- May 21st
 - St. Maries Fire Station, 9-11am
- WAG webpage:
 - http://www.deq.idaho.gov/about/regions/st_joe_st_maries_river_wag/index.cfm