

Pend Oreille River Phosphorus



**presented Pend Oreille River
Watershed Advisory Group
Phosphorus Subgroup meeting
December 10, 2008**

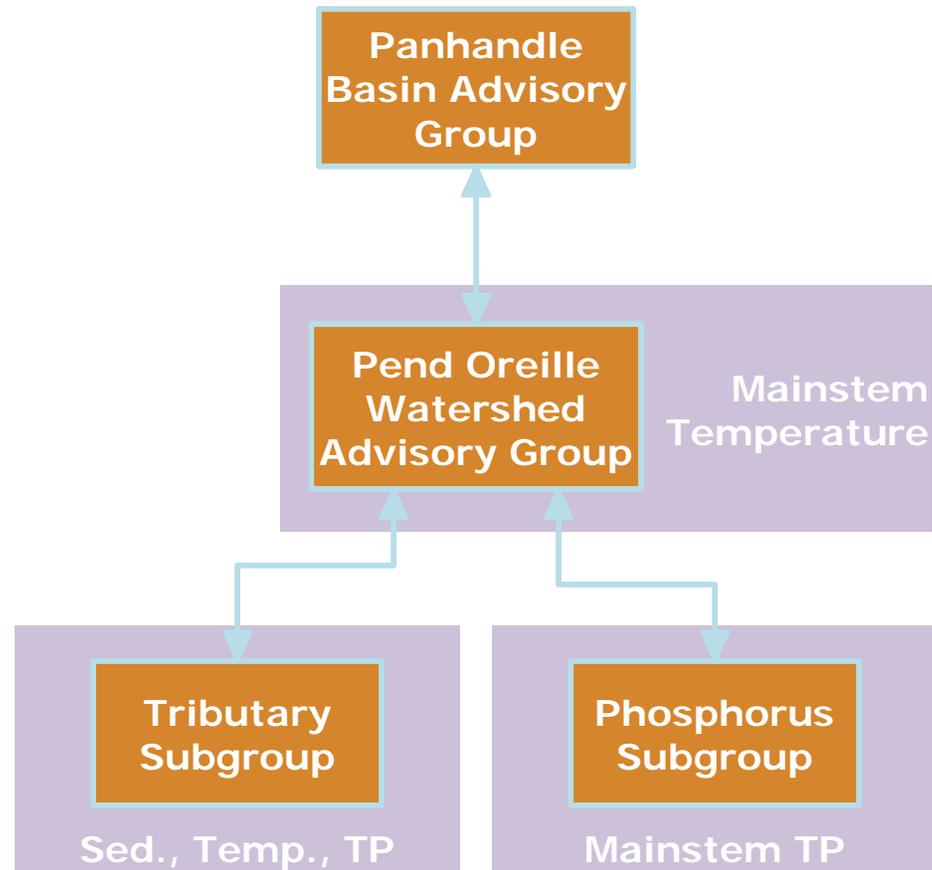
Robert Steed

Introductions and WAG roles

Watershed Advisory Group Basics

- Advisory Group to Idaho DEQ and Designated Management Agencies
- DEQ prescribed by law to consult with WAG on data, listing issues, TMDL development process
- Community objectives
- Subcommittee to BAG, local control
- Public also has opportunity to provide comments

WAG organization



Operating Procedures

- Last reviewed
October 26, 2006
- Can be found on
PDO WAG
website:http://www.deq.idaho.gov/about/regions/pend_oreille_river_tribs_wag/operating_procedures.pdf

Proposed Operating Procedures
For use until Pend Oreille WAG adopts Operating Procedures
Prepared by Coeur d'Alene Regional Office DEQ
Thursday, October 26, 2006

Pend Oreille Watershed Advisory Group

Proposed Operating Procedures

1. Recommendations made to the Panhandle Basin Advisory Group (BAG) and the Director of the Department of Environmental Quality (DEQ) by the Pend Oreille Watershed Advisory Group (WAG) will be based on consensus (100%) of all participants in the meeting. If consensus (100%) cannot be reached recommendations will be based on two-thirds majority rule of appointed members voting with an opportunity to prepare a minority position.
2. While seeking consensus (100%), meetings will be conducted informally. All members of the public are invited and encouraged to attend and participate fully in every WAG meeting. If consensus cannot be met then TriState Council Representative will facilitate Watershed Advisory Group as a non-voting member; and will follow Robert's Rules of Order for development of motions and voting.
3. Absentee votes will be accepted only for those items listed on the agenda. Written absentee votes or written assignment of proxy to another Watershed Advisory Group member can be provided prior to or at the beginning of the meeting.
4. A quorum is only needed when a consensus (100%) cannot be reached, and appointed members are voting. A quorum of 50% voting members must be present or present by proxy to vote on any formal items introduced during a meeting.
5. Similarly to the Panhandle BAG, voting shall be conducted according to affiliation. The Pend Oreille Watershed Advisory Group has several affiliations with multiple representatives. In cases where appointed members vote, representatives of each affiliation should caucus and provide a single vote. See item 1U below for appointed members and affiliations.
6. Meetings will be scheduled one month in advance, if possible.
7. Draft copies of meeting agendas will be available to the Watershed Advisory Group and the public one week in advance.

Operating Procedures

- Consensus (to a point)
- Informal Rules of Order
- Absentee Votes
- Quorum (50%)
- Affiliation
- Meetings (1 mo.)
- Agenda (1 week)
- Idaho Open Meeting Law

Membership Category	Representative
1. Point source discharger	City of Sandpoint, Kody VanDyk, Director of Public Works
	City of Priest River, William Mullaley, Mayor
	City of Dover, Randy Curliss, Mayor; Maggie Becker, Councilwoman (alternate)
	City of Newport, Ray King, City Administrator
	Ponderay Newsprint Company, Lori Blau
2. Local government	Bonner County, Clare Marley, County Planner
	Southside Sewer District, Gary Westcott, Chairman
	Pend Oreille County, Jim Marthaller, Commissioner
3. Tribes	[1]
4. Mining	Pend Oreille Mine (TeckCominco), Kevin Kinsella
5. Timber	Riley Creek Lumber Company, Marc Brinkmeyer; Glenda Empsall (alternate)
6. Agriculture/ Livestock	Todd Johnson
7. Environmental	Trout Unlimited, Pam Aunan
8. Water-based recreation	[2]
9. Regulatory and management agencies	U. S. Forest Service, Tom Shuhda, Colville National Forest
	Idaho Dept. of Lands, Bill Love/Tom Johnson
	U. S. Army Corps of Engineers, Kent Easthouse
10. Other industry	Seattle City Light, Christine Pratt; Alan Solonsky (alternate)
	Pend Oreille Public Utility District, Pat Buckley
11. Other1	Pend Oreille Conservation District, Don Cumins
12. Other2	Tri-State Water Quality Council, Ruth Watkins

PDO WAG Appointed Members (as of 12/08)

WAG Information

- Robert Steed, Idaho Department of Environmental Quality (208) 769-1422
- The DEQ Pend Oreille Watershed website http://www.deq.idaho.gov/about/regions/pend_oreille_river_tribs_wag/index.cfm is the primary source for information about the Pend Oreille Watershed Advisory Group (WAG).
- Sign up for E-mail Updates

- About Us
- Public Info & Input
 - Air
 - Water
 - Waste
 - INL Oversight
 - Maps & Data
 - Rules & Regs



Return to

[DEQ's Coeur d'Alene
Regional Office Web Page](#)

Contact Us

[Glen Rothrock](#)
Coeur d'Alene Lake Water
Quality Manager
DEQ Coeur d'Alene
Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
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Robert Steed

About DEQ's Coeur d'Alene Region: North Fork Coeur d'Alene River Subbasin Watershed Advisory Group (WAG)

Content on this page is provided for informational purposes while the North Fork Coeur d'Alene River Watershed Advisory Group (WAG) and DEQ work to plan implementation projects related to the existing North Fork sediment "Total Maximum Daily Load" (TMDL); develop a temperature TMDL for Prichard Creek; and develop metals TMDLs for Beaver Creek and Prichard Creek, waterbodies found to be not fully supporting beneficial uses.

Note: All of these documents are considered draft and are subject to change. The goal of providing these documents at WAG meetings and on this web page is to ensure citizens have the opportunity to provide input as the documents are developed.

[WAG Introduction Letter](#)

[WAG Survey](#)

Upcoming Meeting Dates

Wednesday, February 28, 2007, 2 - 4 p.m.

U.S. Forest Service Office
173 Commerce Drive
Smelterville, ID
> Link to [Agenda](#).

Background

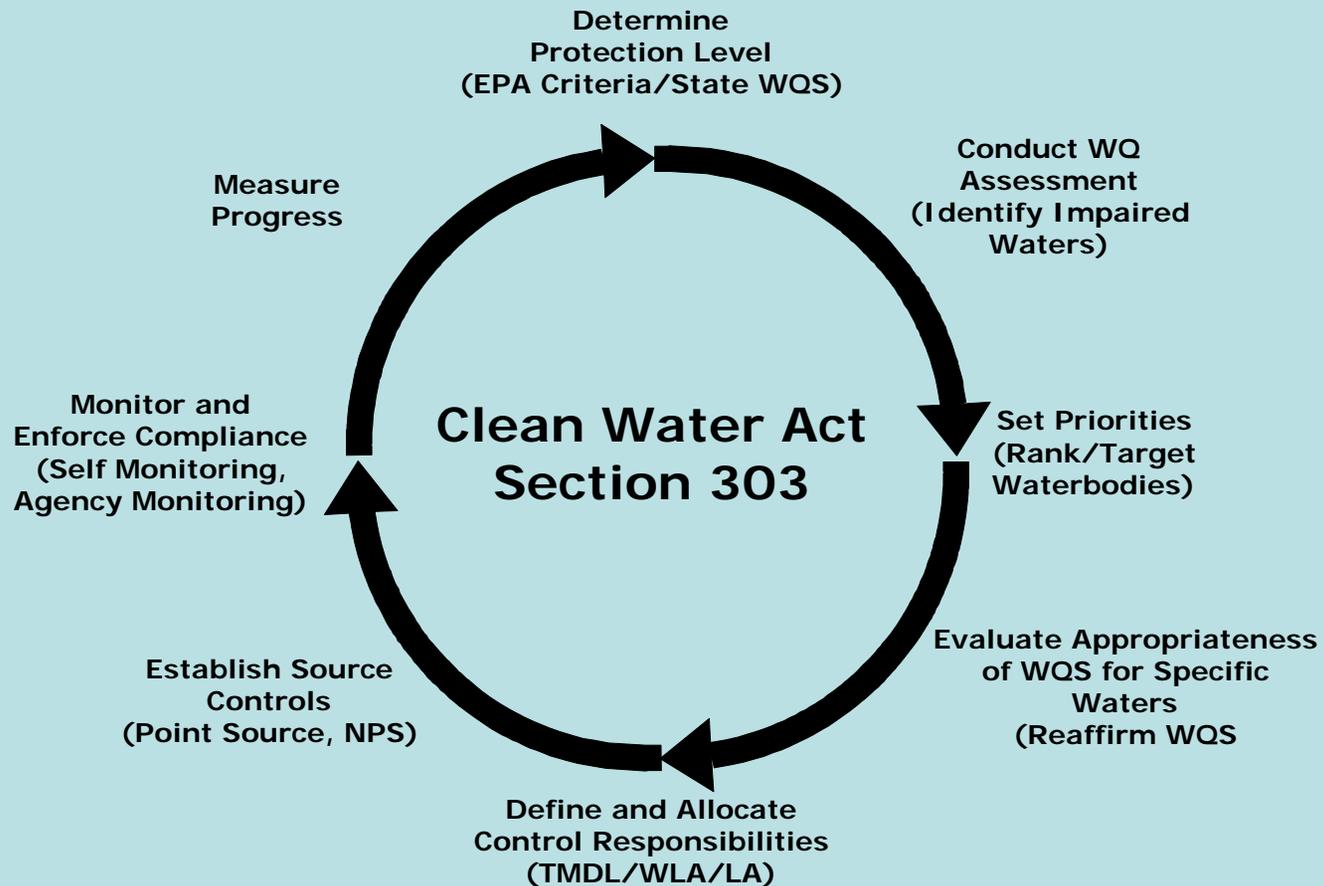
- > [Map of the Subwatershed with listed segments](#)
- > [Overview of TMDL Development Process \(on DEQ's Web site\)](#)



Questions?

Integrated Report

1972 Clean Water Act, Water Quality Cycle



Clean Water Act

- Section 305(b)
 - “305(b) report”
 - Biannual
 - Water Quality Report to Congress
 - Status of all streams
- Section 303(d)
 - “the list”, “to delist”, “on the list”
 - Biannual
 - List of impaired Streams to Congress
 - Streams that require a SBA and possibly TMDL

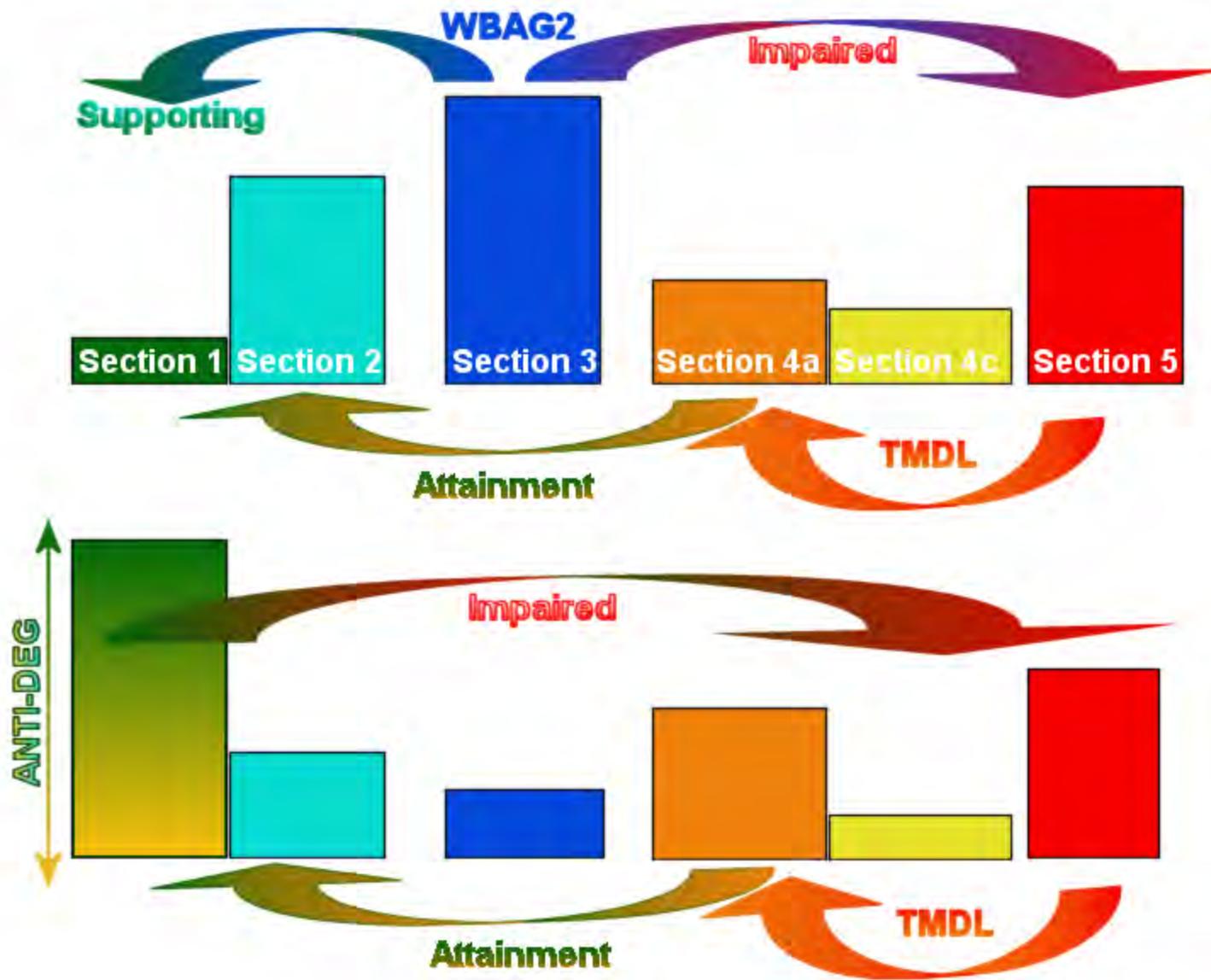
Why develop an Integrated Report?

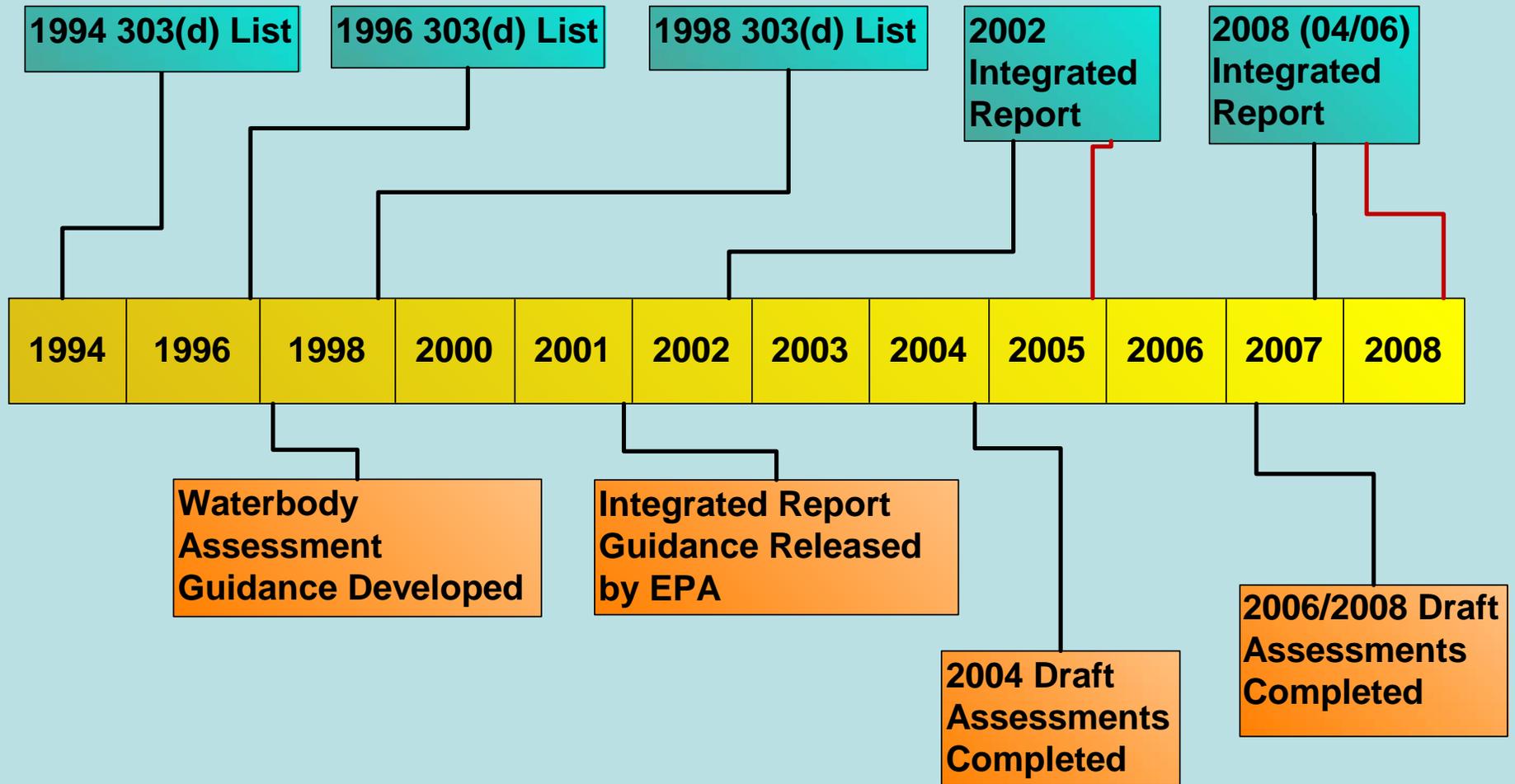
- The report serves as a guide for developing and implementing Subbasin Assessments and TMDL to protect beneficial uses while achieving federal and state water quality standards.
- The report informs Congress and the public about water quality conditions.
- The report assists in priority rankings for waters on the lists and develop and implementation strategies for these waters.
- Legal requirement under CWA

Integrated Report Categories

Integrated Report Categories		
Category	DEQ	Description
1	FS	Attaining WQ Standards
2	FS	Attaining some designated uses
3	NA	Insufficient data
4a	NFS	TMDL complete
4c	NFS	Not impaired by pollutant
5	NFS	TMDL needed

4b Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.

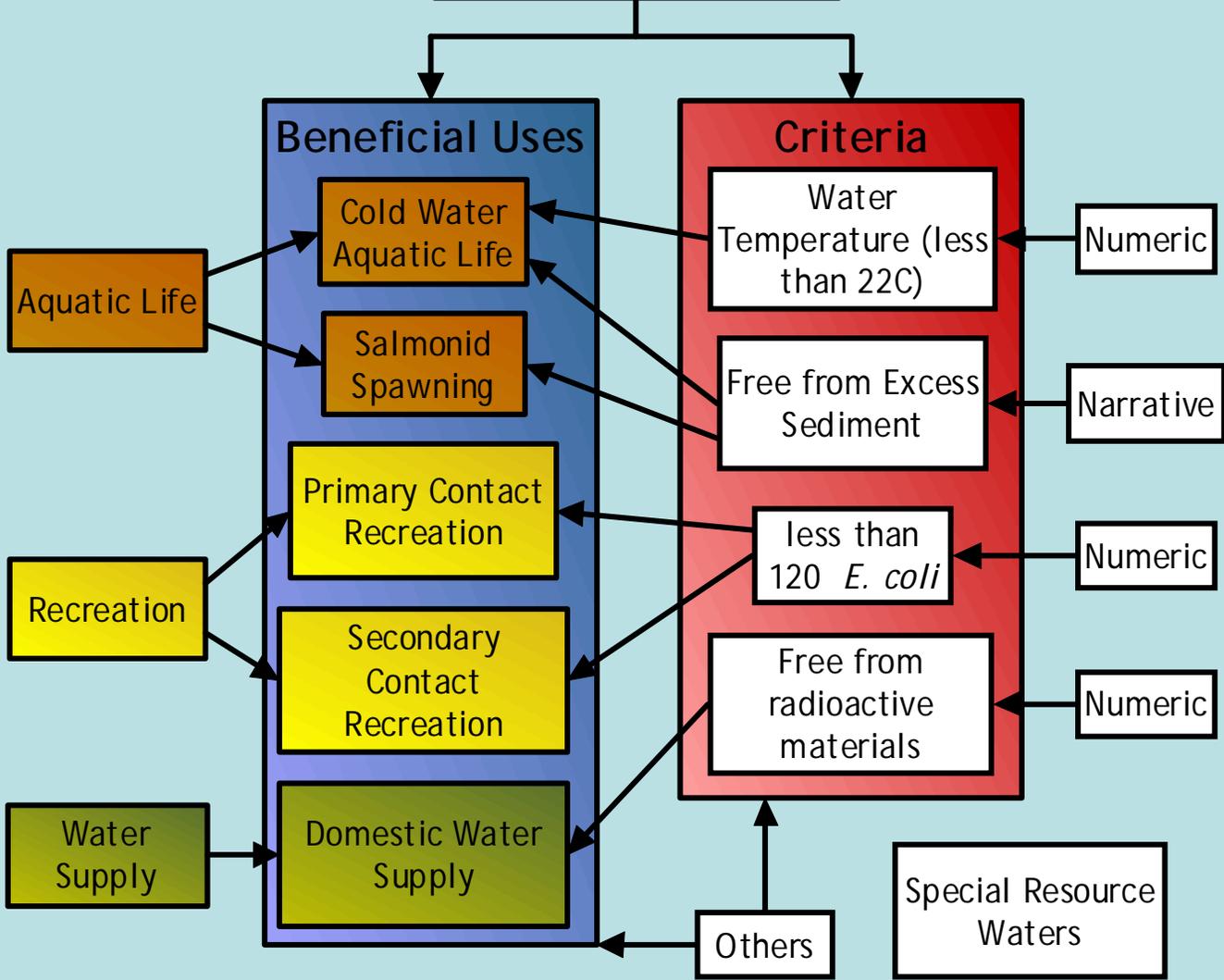




Idaho Water Quality Standards

- US Clean Water Act
- Idaho DEQ Primacy
- Idaho Legislature Adopted
- EPA Approved
- <http://adm.idaho.gov/adminrules/rules/idapa58/0102.pdf>

Idaho Water Quality Standards



Steps for Public Participation

- 45-day call for public data; open interactive Integrated Report Web site; Take Comment on the Policies and Procedures Document
- Draft Integrated Report completed; begin 60 Day public comment period
- Final Integrated Report delivered to EPA

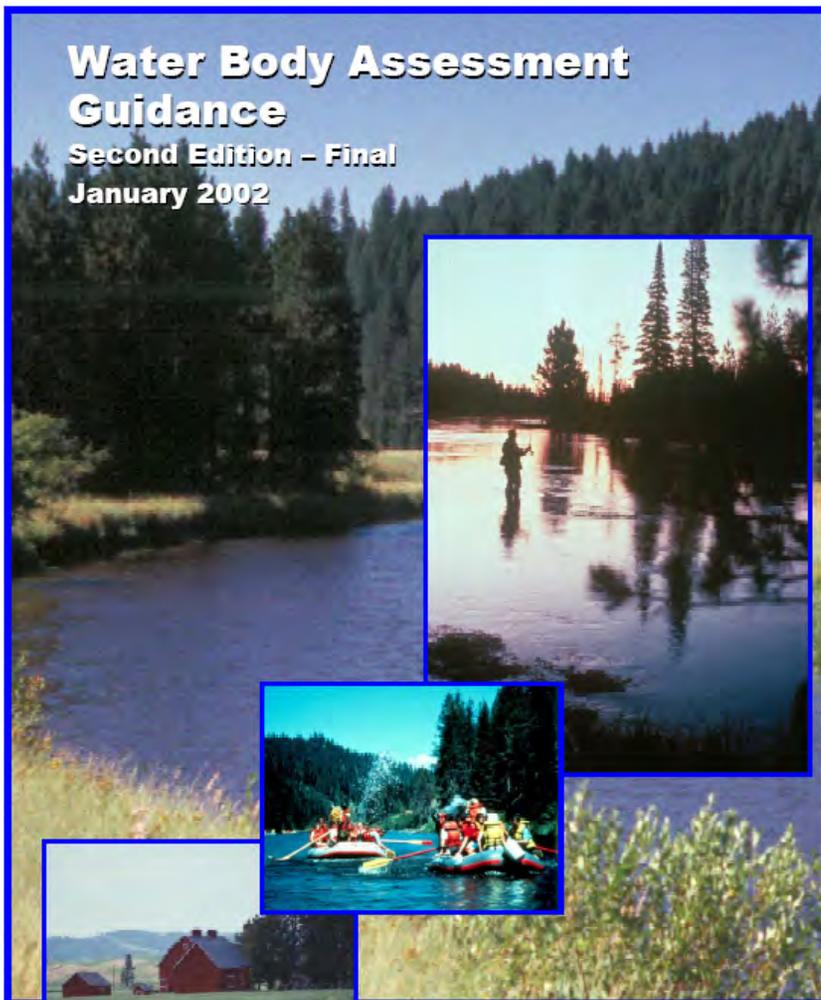
Designated/Existing/Presumed Uses

05. Pend Oreille Lake Subbasin. The Pend Oreille Lake Subbasin, HUC 17010214, is comprised of sixty-one (61) water body units.

Unit	Waters	Aquatic Life	Recreation	Other
P-1	Pend Oreille River - Priest River to Albeni Falls Dam	COLD	PCR	DWS
P-2	Pend Oreille River - Pend Oreille Lake to Priest River	COLD	PCR	DWS
P-3	Hoodoo Creek - source to mouth			
P-4	Kelso Lake and outlet	COLD SS	PCR	DWS
P-5	Granite Lake			
P-6	Beaver Lake			
P-7	Spirit Creek - source to mouth			
P-8	Blanchard Lake			
P-9	Spirit Lake	COLD SS	PCR	DWS SRW
P-10	Brickel Creek - Idaho/Washington border to mouth			
P-11	Jewell Lake			
P-12	Cocolalla Creek - Cocolalla Lake to mouth	COLD	PCR	DWS SRW
P-13	Cocolalla Lake	COLD	PCR	DWS SRW
P-14	Cocolalla Creek - source to Cocolalla Lake			
P-15	Fish Creek - source to mouth			
P-16	Fry Creek - source to mouth			

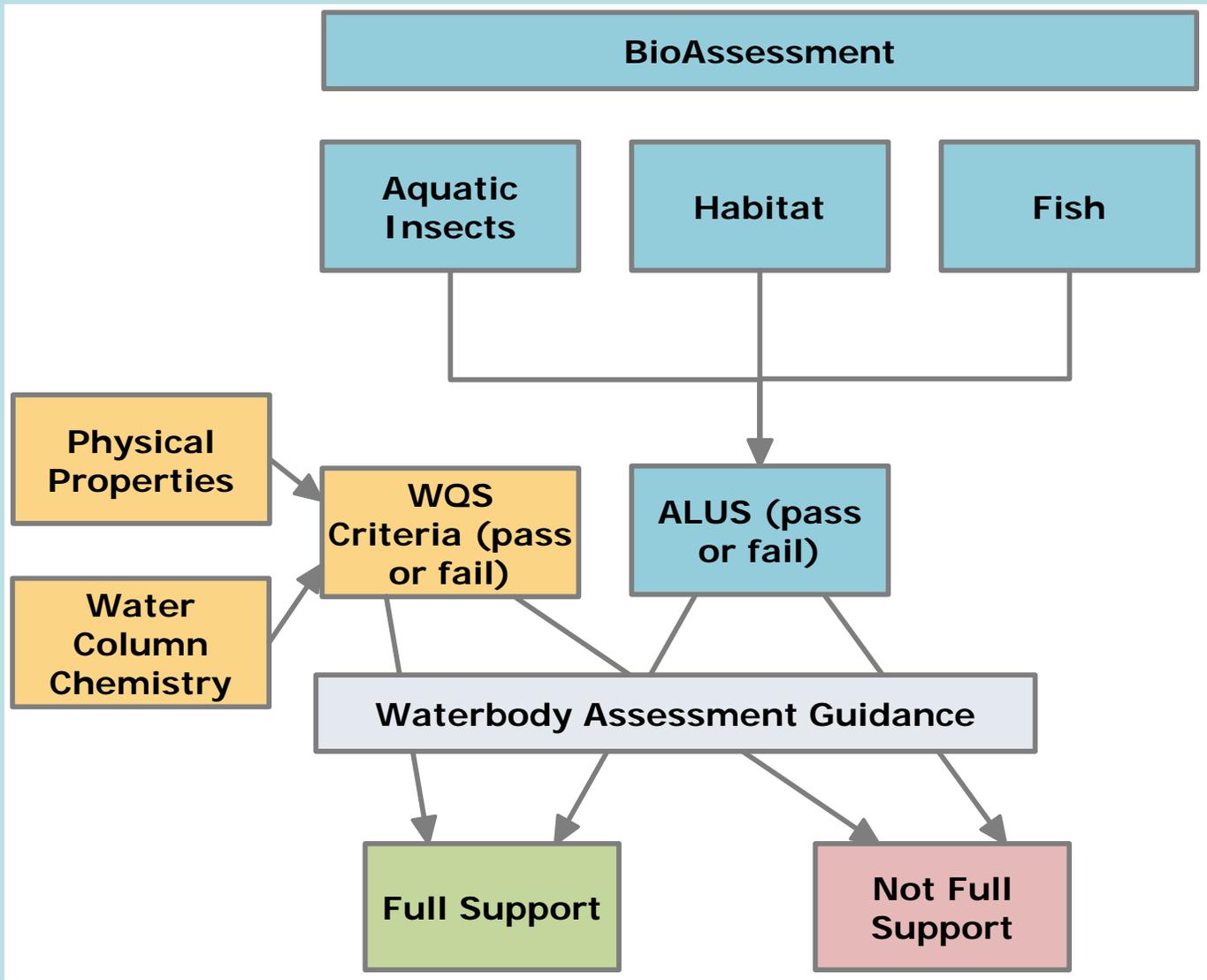
Water Body Assessment Guidance

Second Edition – Final
January 2002



Idaho Department of Environmental Quality





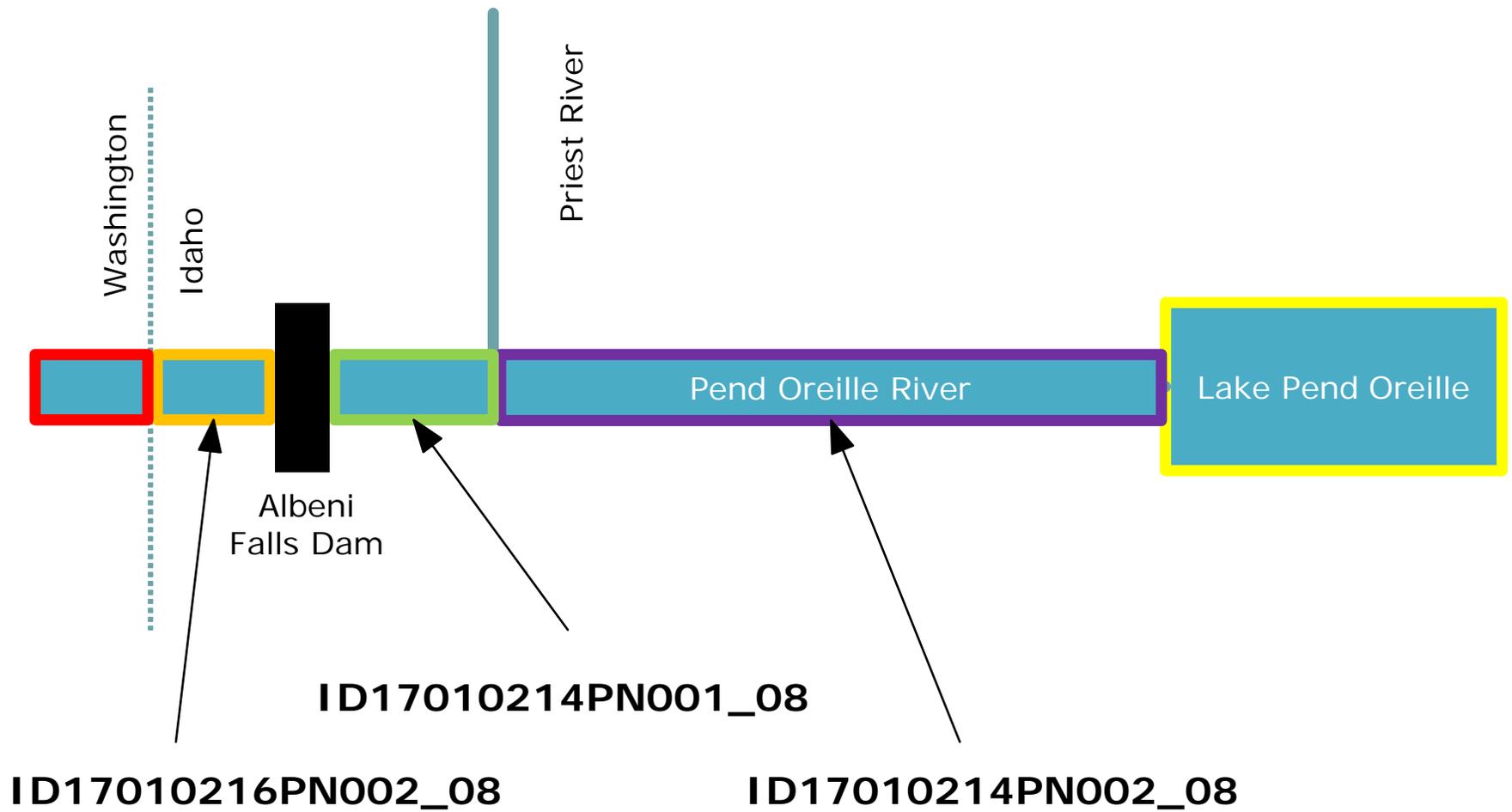
Steps for Public Participation

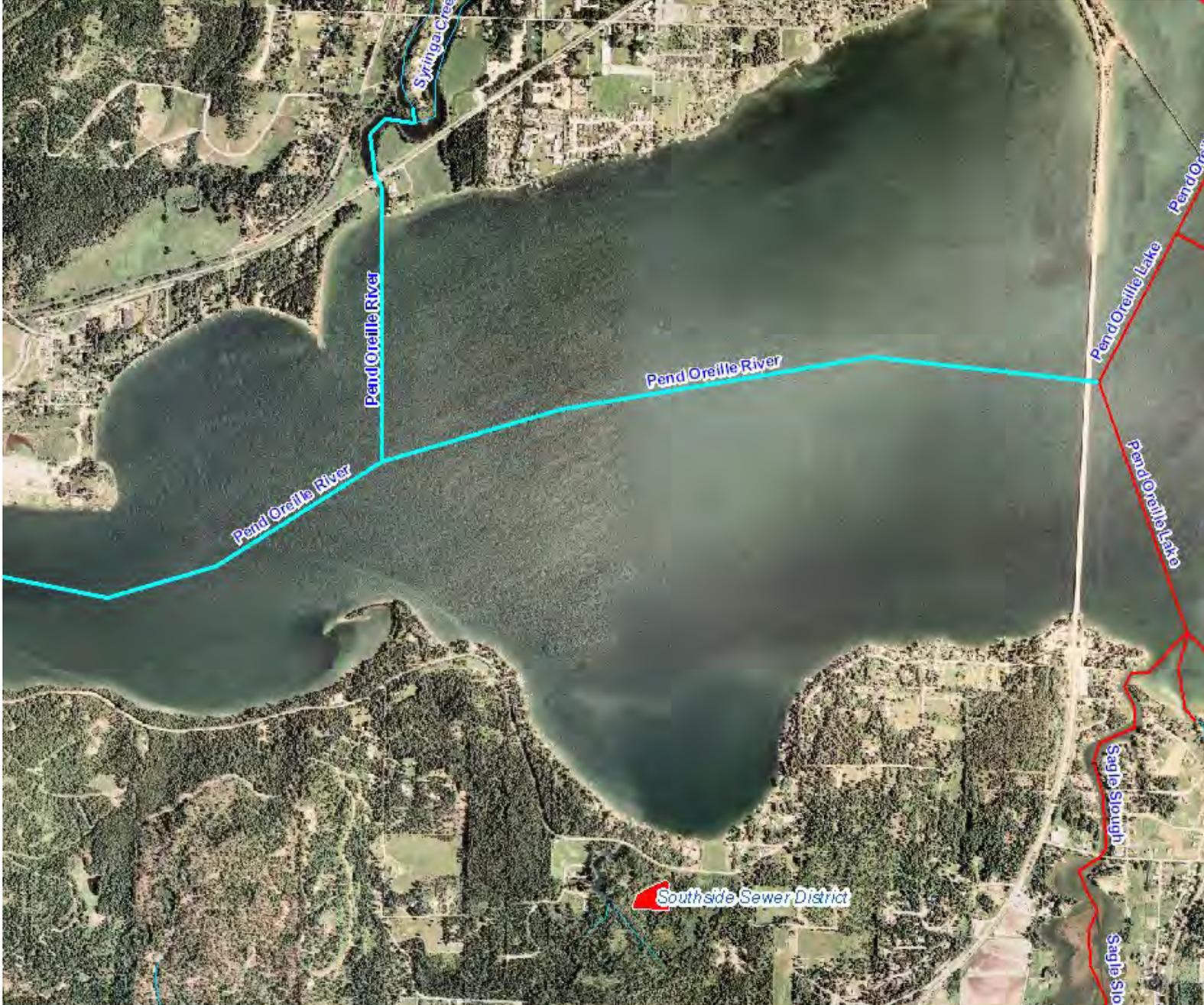
1. 45-day call for public data; open interactive Integrated Report Web site; Take Comment on the Policies and Procedures Document (2004, 2006, and January 9, 2008)
2. Draft Integrated Report completed; begin 60 Day public comment period (January 9, 2008)
3. Final Integrated Report delivered to EPA (July 2008)
4. Approval Pending



Questions?

Pend Oreille River Listing and Priority Status





2002 Integrated §303(d)/§305(b) Report

Current, EPA approved Integrated
Report

<i>Basin</i>	<i>Segment Name</i>	<i>Bac</i>	<i>Cd</i>	<i>Ukn</i>	<i>Pb</i>	<i>Hg</i>	<i>Met</i>	<i>Nut</i>	<i>O/G</i>	<i>Org</i>	<i>DO</i>	<i>IOrg</i>	<i>Path</i>	<i>Pest</i>	<i>pH</i>	<i>P</i>	<i>Sa</i>	<i>Se</i>	<i>Sed</i>	<i>TSS</i>	<i>Tem</i>	<i>IDG</i>	<i>Tox</i>	<i>NH3</i>	<i>Z</i>	<i>SIZE</i>
ID17010214PN002_08	Pend Oreille River - Pend Oreille Lake to Priest River																		1	1	1				22.73	
ID17010214PN001_02	Pend Oreille River - Priest River to Albeni Falls Dam																		1	1	1				10.28	
ID17010214PN001_08	Pend Oreille River - Priest River to Albeni Falls Dam																		1	1	1				3.36	
ID17010214PN033_03	Rapid Lightning Creek - source to mouth				1																1				7.8	
ID17010214PN048_03	Sand Creek - Schweitzer Creek to mouth																				1				4.04	
ID17010214PN049_03	Sand Creek - source to Schweitzer Creek				1																				3.54	
ID17010214PN049_02	Sand Creek - source to Schweitzer Creek				1																				15.93	
ID17010214PN052_02	Schweitzer Creek - source to mouth																	1							6.74	
ID17010214PN030_02	Trestle Creek - source to mouth																				1				20.99	
ID17010214PN032_02	Trout Creek - source to mouth																				1				10.13	
ID17010214PN039_04	Upper Pack River - Lindsey Creek to Sand Creek																				1				3.8	
ID17010214PN041_02	Upper Pack River - source to and including Lindsey Creek				1																1				58.16	
ID17010214PN022_02	West Gold Creek- source to mouth																				1				9.82	
	<i>Summary for 17010214 (41 detail records)</i>																							464.26		
	<i>99954</i>																									
<i>HUC</i>	<i>17010215</i>																									
ID17010215PN020_03	Beaver Creek - source to mouth																				1				1.88	
ID17010215PN026_02	Binaroh Creek - Idaho/Washington border to mouth																				1				13.16	
ID17010215PN028_03	Goose Creek - Idaho/Washington border to mouth												1												5.23	

<i>Basin</i>	<i>Segment Name</i>	<i>Bac</i>	<i>Cd</i>	<i>Ukn</i>	<i>Pb</i>	<i>Hg</i>	<i>Met</i>	<i>Nut</i>	<i>O/G</i>	<i>Org</i>	<i>DO</i>	<i>IOrg</i>	<i>Path</i>	<i>Pest</i>	<i>pH</i>	<i>P</i>	<i>Sa</i>	<i>Se</i>	<i>Sed</i>	<i>TSS</i>	<i>Tem</i>	<i>TDG</i>	<i>Tox</i>	<i>NH3</i>	<i>Z</i>	<i>SIZE</i>
ID17010215PN027_04	Upper West Branch Priest River - Idaho/Washington border to			1																	1					6.72
ID17010215PN027_03	Upper West Branch Priest River - Idaho/Washington border to			1																						5.06
<i>Summary for 17010215 (21 detail records)</i>																								374.75		
<i>99983</i>																										
HUC	17010216																									
ID17010216PN002_08	Pend Oreille River - Albeni Falls Dam to Idaho/Washington bo																					1				3.89
<i>Summary for 17010216 (1 detail record)</i>																								3.8900		
<i>00104</i>																										
HUC	17010301																									
ID17010301PN003_02	Beaver Creek - source to mouth	1				1																		1		44.54
ID17010301PN003_03	Beaver Creek - source to mouth																	1		1						3.7
ID17010301PN020_03	Big Elk Creek - source to mouth																			1						4.6
ID17010301PN034_02	Bootjack Creek - source to mouth																			1						5.14
ID17010301PN031_02	Bumblebee Creek - source to mouth																			1						7.93
ID17010301PN036_02	Burnt Cabin Creek - source to mouth																			1						12.99
ID17010301PN039_03	Copper Creek - source to mouth																			1						2.75
ID17010301PN029_03	Cougar Gulch - source to mouth																	1								6.7
ID17010301PN037_02	Deception Creek - source to mouth																			1						8.34
ID17010301PN007_03	Eagle Creek - source to mouth	1				1														1				1		1.02
ID17010301PN002_03	Graham Creek - source to mouth																			1						1.06
ID17010301PN018_03	Independence Creek - source to mouth																			1						5.07

Draft 2008 Integrated §303(d)/§305(b) Report

State of Idaho Integrated Report,
Submitted to EPA in July 2008 for
Approval

17010214**Pend Oreille Lake**

ID17010214PN001_08	Pend Oreille River - Priest River to Albeni Falls Dam	3.36	MILES
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Temperature, water

Phosphorus (Total)

Dissolved Gas Supersaturation

ID17010214PN002_08	Pend Oreille River - Pend Oreille Lake to Priest River	32.56	MILES
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Temperature, water

Phosphorus (Total)

Dissolved Gas Supersaturation

17010216**Pend Oreille**

ID17010216PN002_08	Pend Oreille River - Albeni Falls Dam to Idaho/Washington	3.89	MILES
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Temperature, water

Phosphorus (Total)

Dissolved Gas Supersaturation

Priority

- New rotating schedule as outlined in Integrated Report Procedures and Policies document
- Pend Oreille River Segments are “High Priority when listed in 2009”

CU Name	HUC	Initial TMDL completed	5 yr. review 1 st round
Coeur d'Alene Lake	17010303	2000	2009
Upper Spokane	17010305	2001 2007	2009
Lower Clark Fork	17010213	2006	2011
Pend Oreille	17010214	2001 2007	2009
North Fork Coeur d'Alene	17010301	2002	2010
South Fork Coeur d'Alene	17010302	2003	2010
Priest	17010215	2003	2010
St Joe	17010304	2003	2010
Upper Kootenai	17010101	2006	2011
Lower Kootenai	17010104	2006	2011
Moyie	17010105	2006	2011
Hangman	17010306	2006	2011

HUCs in the first two years of the rotation, following EPA approval of the Integrated Report, will be designated *high priority*. The next two years of the rotation will be *medium priority*, with the last year of the five year rotation designated *low priority*.

(See Attachment 1, *TMDL Review Schedule and Priority Ranking*, page 91.)

Public Participation in the Development of the Integrated Report

DEQ is seeking public comment on the assessment decisions made for the 2008 Integrated Report.

Scope of Public Participation

The format of the *Integrated Report* is set by EPA, so DEQ is not seeking comment on this aspect of the report, but the way decisions are made about how to place waters in each category is, to some extent, at DEQ's discretion², so DEQ is soliciting public comment on all the waters of the state. Specific comments—such as the placement of a water body in a category of the list or an omission from a category—are the most helpful.

Data and/or site-specific comments are welcome and will be evaluated prior to final submission of the Integrated Report to EPA.

Integrated Report Milestones and Project Completion

Milestones for development of the Integrated Report, including opportunities for public comment, are illustrated by Table 3.

Table 3. Integrated Report development milestones.

November 30, 2008	Complete assessment of water bodies for 2008 Integrated Report
January 2008	Draft Integrated Report compiled; begin 45 day public comment period and call for data
February 2008	Close public comment period on draft Integrated Report
April 1, 2008	Final Integrated Report delivered to EPA

How to Comment

DEQ will make available to the public, via our Web site, a downloadable Integrated Report, in Adobe™ portable document format (PDF), and an interactive map service to retrieve the locations of listed segments in relation to major landmarks, such as roads, rivers, and county lines. The Integrated Report can be downloaded at the following address:

http://www.deq.idaho.gov/water/data_reports/surface_water/monitoring/integrated_report.cfm

The map service will allow the public to comment on specific water bodies and attach relevant comments:

<http://mapserver.deq.idaho.gov/Website/wq2004/viewer.htm>

2008 Integrated Report also includes Public Participation Section

² The exception is when waters are moving from Category 5 (303(d) list) to another category.

How to change listing status

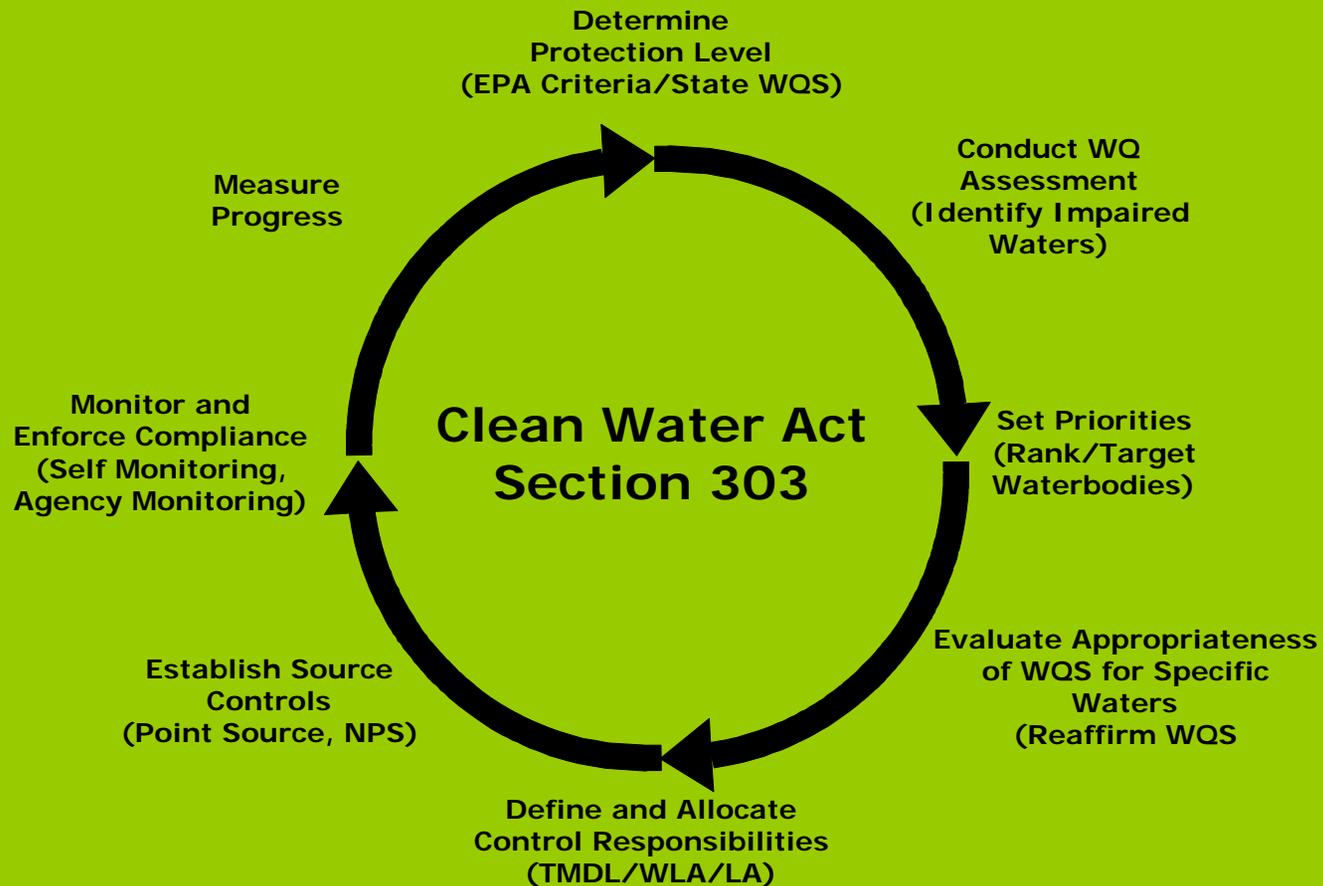
- Participate Subbasin Assessment /WAG
- Participate in Panhandle BAG
- Participate in 2010 Integrated Report
 - Acquire data
 - Submit data and justification for change during 45 day “call for public data” period
 - Review and comment on draft Integrated Report during 60 day “public review” period



Questions?

Sub-basin Assessments and TMDLs

1972 Clean Water Act, Water Quality Cycle



Subbasin Assessment

(for the most part see 2001 TMDL)

- Watershed Characterization
 - Physical/Biological/Cultural Characteristics
- Water Quality Concerns and Status
 - Impaired Waters, WQ Standards...
- Pollutant Source Inventory
 - Existing Conditions
- Past and Present Pollution Control Efforts

Total Maximum Daily Load

TMDL

$$TMDL \leq WLA + LA + MOS$$

A TMDL is a calculation of the maximum amount of a pollutant that a water body can receive from human-caused sources and still meet water quality standards.

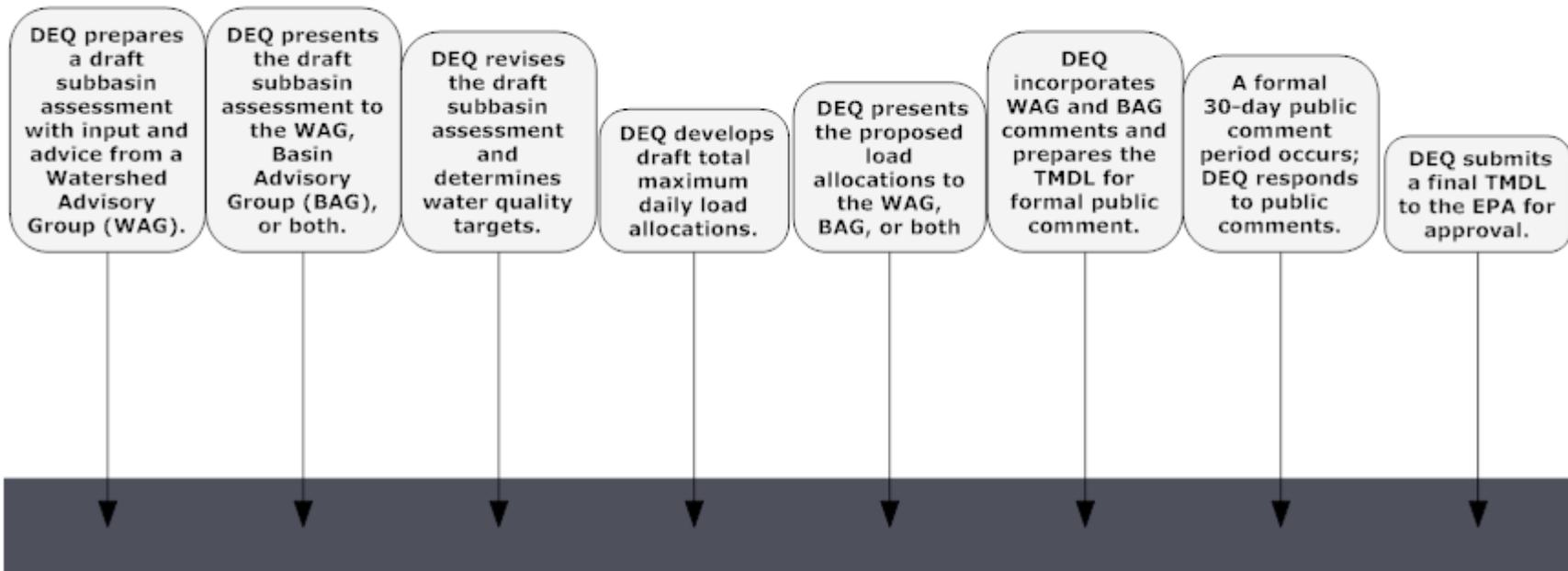
IDEQ Approach

- BAG and WAG Process
- Settlement Agreement Schedule
- 58 Subbasins Statewide, 14 (10) in North Idaho Region
- 5 year review cycle

CDA Regional Office proposed TMDL Review Schedule

CU Name	HUC	Initial TMDL completed	5 yr. review 1st round	5 yr. review 2nd round	5 yr. review 3rd round
Coeur d'Alene Lake	170 10 303	2000	2009	2012	2017
Upper Spokane	170 10 305	2001 2007	2009	2012	2017
Lower Clark Fork	170 10 213	2006	2011	2013	2018
Pend Oreille	170 10 214	2001 2007	2009	2013	2018
North Fork Coeur d'Alene River	170 10 301	2002	2010	2014	2019
South Fork Coeur d'Alene	170 10 302	2003	2010	2014	2019
Priest	170 10 215	2003	2010	2015	2020
St Joe	170 10 304	2003	2010	2015	2020

SBA/TMDL Steps



Questions?

For more
information [http://www.deq.idaho.gov/water/data_reports/surface_
water/tmdls/overview.cfm](http://www.deq.idaho.gov/water/data_reports/surface_water/tmdls/overview.cfm)