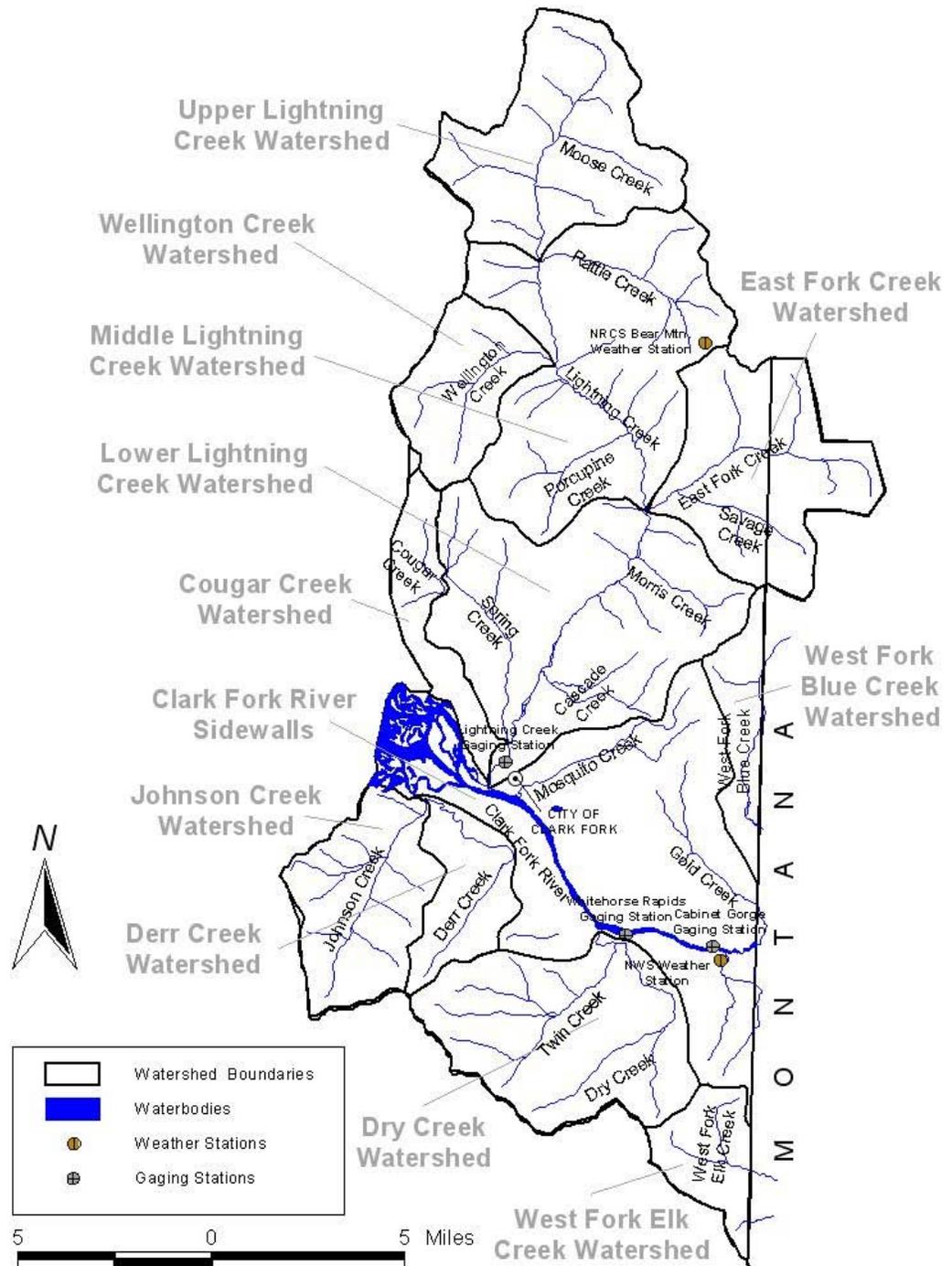


Lower Clark Fork River

Subbasin Assessment and TMDL
Watershed Advisory Group Meeting
September 21, 2005

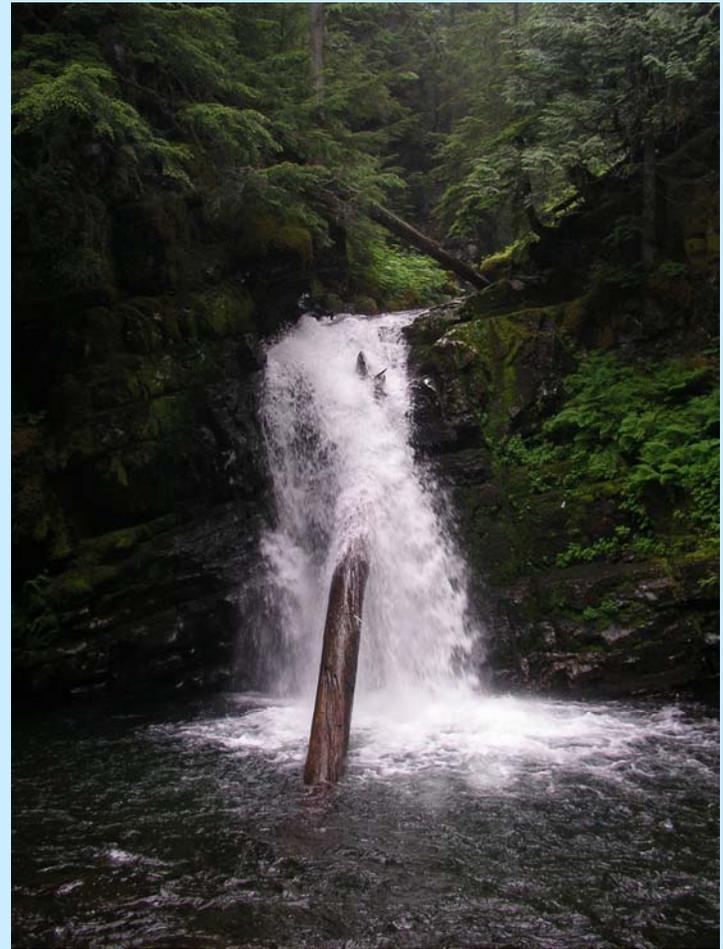


Lower Clark Fork River Subwatersheds



Background

- The Clean Water Act requires states to develop water quality standards
- Idaho's standards have been developed and approved by the EPA
- Standards are intended to protect, restore and preserve water quality so waters are available for their intended (beneficial) use



Water Quality Standards



- DEQ collects information on water bodies to determine if they meet water quality standards and support their beneficial uses
- Water quality data was collected by DEQs Beneficial Use Reconnaissance Program (BURP) between 1995-2002 in the Lower Clark Fork River Subbasin
- The state reports on the status of assessed water bodies every two years (“303(d) list and integrated report)
- TMDLs are required for all waterbodies not meeting water quality standards

Assessment Units

2002 Integrated Report Results (2004 Public Comment)

Legend Layers

- Cities/Towns
- Lakes
- 4th Field HUCs
- Monitoring Locations(BURP)
- Roads (100K)
- Id 305(b) Streams
- Wilderness
- Roadless Inventory
- Tribal Boundaries
- Fish Bioregions
- River Bioregions
- Landcover-92
- 100k TopoQuads
- SPOT 10M 98-01
- LANDSAT 97-98

ID17010213PN012_02	Cascade Creek	Not Supporting	Comment Period Expired
ID17010213PN013_02	NHD Unnamed Streams	Not Supporting	Comment Period Expired
ID17010213PN013_02	Morris Creek	Not Supporting	Comment Period Expired
ID17010213PN013_04	NHD Unnamed Streams	Not Supporting	Comment Period Expired
ID17010213PN013_04	Lightning Creek	Not Supporting	Comment Period Expired
ID17010213PN013_04	Morris Creek	Not Supporting	Comment Period Expired
ID17010213PN014_02	NHD Unnamed Streams	Not Supporting	Comment Period Expired

Zoom In

Zoom to Scale 1: Select

start | GIS Maps | Existing Use | Burp Info | Public Comment | Surface Water Forum | Return to ADB 2 | Return to IDASA

Windows Media Player | Document2 - Microsof... | Assessment Databas... | IDASA Web Browser | 3:56 PM

Beneficial Uses

Water Body	Uses ^a	Type of Use
Clark Fork River (Idaho/Montana Border to Lake Pend Oreille)	CWAL, SS, PCR, DWS, SRW	Designated
Lightning Creek (Source to Mouth)		
Johnson Creek (Source to Mouth)	CWAL, SS, PCR or SCR	Existing
Cascade Creek (Source to Mouth)	CWAL, SS, SCR	Existing
East Fork Creek (Idaho/Montana Border to Mouth)	CWAL, SS, SCR	Existing
Rattle Creek (Source to Mouth)	CWAL, SS, SCR	Existing
Dry Creek (Source to Mouth)	CWAL, SS, SCR	Existing
Savage Creek (Idaho/Montana Border to Mouth)	CWAL, SS, SCR	Existing
Wellington Creek (Source to Mouth)	CWAL, SS, SCR	Existing

303(d) Listed Streams - 2002

Lower Clark Fork River:

TDG, Metals, Temperature,
Unknown**

Johnson Creek:

Temperature, Sediment

Dry & Twin Creek: *Temperature*

Lightning Creek:

Unknown, Temperature*

Porcupine & Morris Creeks:

Unknown, Temperature*

Cascade Creek*: *Temperature*

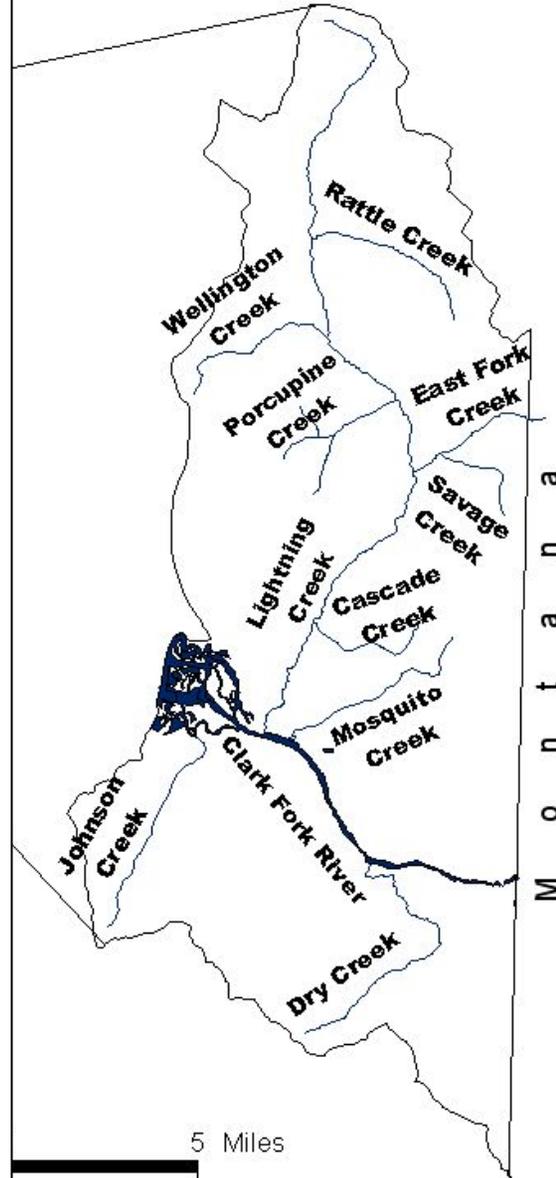
East Fork Creek:

Temperature, Sediment

Savage Creek: *Temperature*

Rattle Creek: *Temperature*

Wellington Creek: *Sediment, Temperature*



Unknown/Pending Listings

- Lightning Creek: BURP scores show “full support”, however, it is listed because of extreme bank destabilization – WAG and DEQ will use stressor identification to identify pollutant
- Mainstem Clark Fork: 2002 list does not include a temperature listing, but data warrant development of TMDL for temperature
- Cascade Creek: Listed for temperature, BURP scores indicate not fully supporting uses, therefore may identify other pollutants

Water Quality Issues in Subbasin (from pre-meeting surveys)



- Metals (from upstream sources)
- Temperature
- Sediment
- Nutrients from new development & potential new point source discharges
- Total Dissolved Gas (TDG)
- Too much forest harvest has been done with unstable road construction
- Lightning Creek moves a lot of sediment
- Degraded Fisheries habitat and potential additional impacts to important fisheries and fisheries habitat

Goals of Subbasin Assessment and TMDL

- Present water quality information to date
- Where impairments are identified, develop water quality targets and allowable pollutant loads (TMDL) to return waterbody to “full support” of beneficial uses
- Identify data gaps and areas where further assessment is needed
- Establish needs for future implementation plan



What's Next for the WAG

- Subbasin Assessment – WAG consultation
 - Identify Gaps
 - Reality Check information with current conditions
- Review Beneficial Uses
- Discuss Pollutant Identification
- Discuss Loading Strategies



HB145 Background



Draft WAG Consultation Schedule

- December 2004: TMDL due
- September 05: Formalize WAG, Review Status of Assessment and TMDL
- October 05
 - WAG discussion of Subbasin Assessment Review Beneficial Use Designations*
 - Review loading strategies for temperature, metals and sediment with WAG

Consultation Schedule (cont)

- November 05:
 - Discuss Temperature load allocations
 - Review strategies for Lightning Creek “unknown”
- December 05: Discuss Metals load allocation
- January 06: Discuss Sediment load allocations
- February-March 06: WAG review and approval*, edits
- April 06: Public Comment draft
- May – June 06: Response to Comments and submit to state office DEQ

Interested Stakeholders (to date)

- Kevin Davis – USFS
- Jason Gritzner – USFS
- Bill Love (& Scott Marshall)– IDL
- Ruth Watkins (& Diane Williams) – Tri-State Water Quality Council
- Dee Bailey – Coeur d’Alene Tribe*
- Clark Fork-Pend Oreille Conservancy*
- Mike Mihelich – KEA
- Jeff Stewart – USDA-NRCS
- Tom Worden – Stimson Lumber
- Joe DosSantos – Avista Utilities
- Michele Wingert – Kalispel Tribe
- Dan Carlson – Bonner County Planning Department
- Jamie Davis – ID Soil Conservation Commission/ID Association of Soil and Conservation Districts
- David White – Idaho Parks and Recreation
- Mary Mitchell – Rock Creek Alliance
- Trout Unlimited
- City of Clark Fork



* Interested in public comment opportunities, some WAG meetings