

Burnt Bridge Creek TMDL Public Meeting

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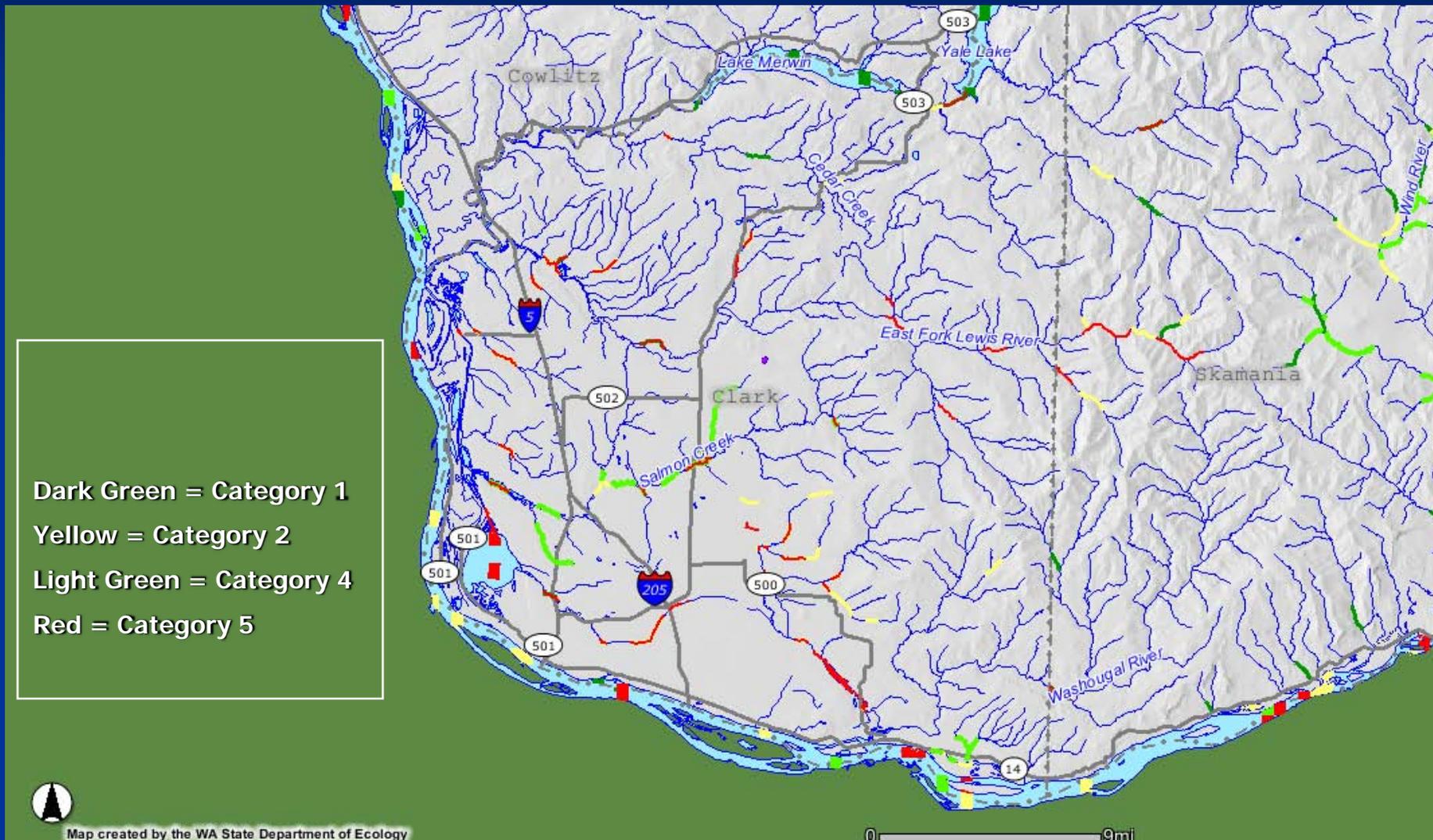
**Total Maximum Daily Load (TMDL) =
Water Cleanup Plan =
Water Quality Improvement Project**

Definition: A process undertaken with local organizations and citizens, the goal of which is to ensure impaired waterbodies achieve water quality standards.

Categories of Water Quality Assessment

- Category 1 – Meet water quality standards.
- Category 2 – Waters of concern; evidence of a potential problem.
- Category 3 – No data.
- Category 4 – Pollution control plan in place.
- Category 5 – Water quality impaired; TMDL needed. This is called the 303(d) list.

Listings in Clark County



Sample Burnt Bridge Creek Listings

Category	WRIA	Water Body Name	Parameter	Medium
5	28	Burnt Bridge Creek	Temperature	Water
2	28	Burnt Bridge Creek	Temperature	Water
5	28	Burnt Bridge Creek	Fecal Coliform	Water
5	28	Burnt Bridge Creek	Fecal Coliform	Water
1	28	Burnt Bridge Creek	pH	Water
2	28	Burnt Bridge Creek	pH	Water

Basic Provisions for TMDLs

- TMDLs are designed to attain and maintain applicable water quality standards
- TMDLs apply to both point and nonpoint sources
- TMDLs apply to all pollutants
- TMDLs are pollutant-specific
- A waterbody can have several TMDLs (one for each pollutant of concern)

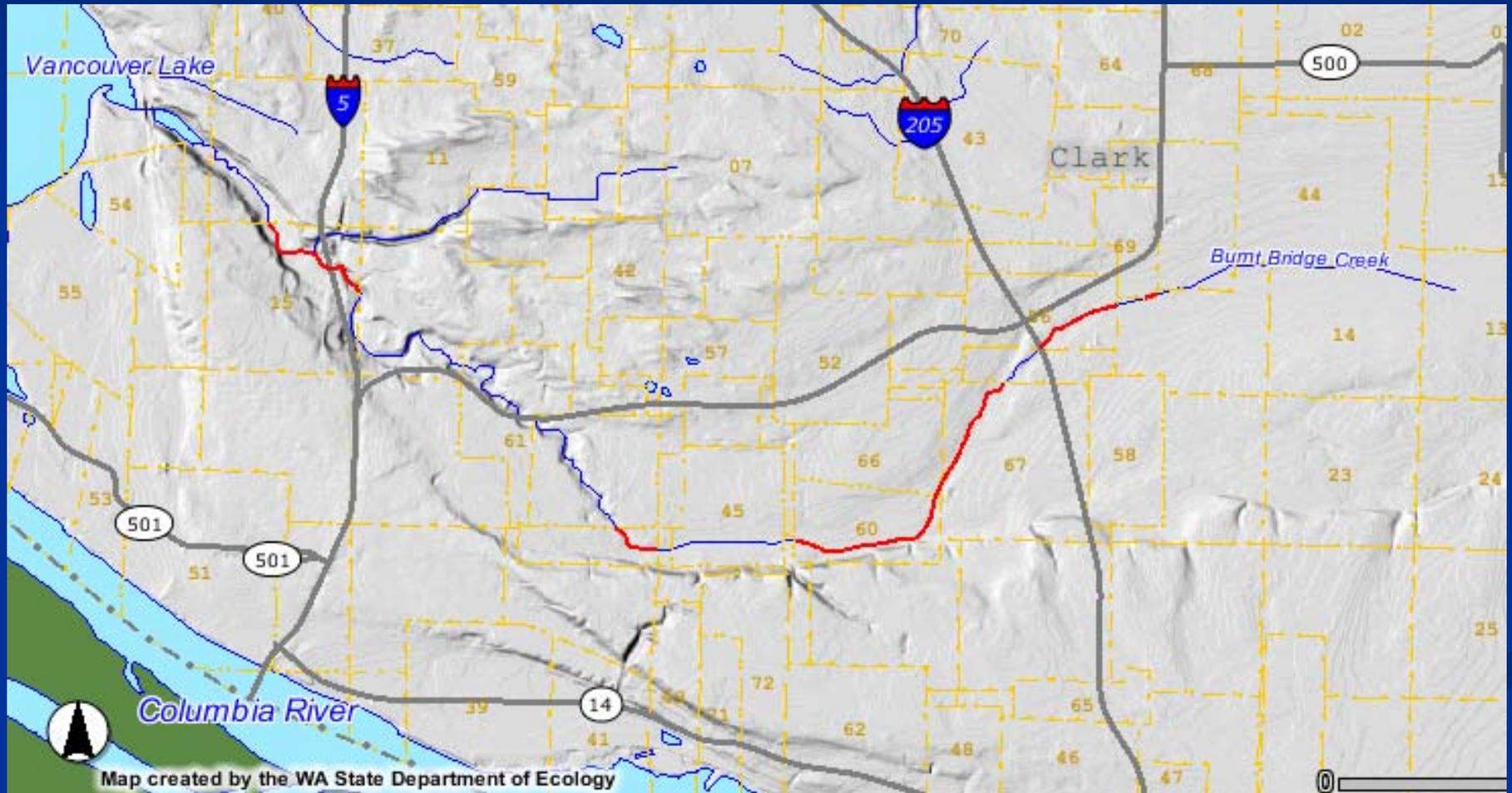
Limitations

- A TMDL is the tool for addressing documented water quality impairments in a watershed.
- Other tools are used to address other issues, e.g.,
 - Watershed Planning deals with stream flow
 - Toxics Cleanup Program deals with “legacy” pollutants, such as toxic pollutants in sediments at former industrial sites
 - Special studies monitor for suspected but undocumented pollutants

History

- 1991-1993 data show Burnt Bridge Creek (BBC) failed to meet water quality standards for fecal coliform bacteria, dissolved oxygen and temperature.
- BBC placed on the list of impaired waterbodies in 1996.
- In winter 2007, BBC proposed as the top priority for a TMDL “new start” by Ecology’s Southwest Regional office.
- In summer 2007, Ecology’s Environmental Assessment Program agreed to conduct a TMDL study on BBC.

BBC Impaired Segments in 2004



BBC Category 5 Listings

Waterbody	Parameter	2004	2008 (Draft)
Burnt Bridge Creek	Dissolved Oxygen	5	8
	Fecal Coliform	7	9
	Temperature	4	7
	pH		2*
Peterson Ditch	Fecal Coliform		1
	Temperature		1

* Need to confirm; data may not be valid

Water Cleanup Plan Process

- An impaired waterbody is selected for a TMDL
- Ecology conducts a study to determine how much pollution reduction is needed
- Ecology and stakeholders develop a cleanup strategy
- EPA approves the strategy
- Ecology and stakeholders develop a detailed list of cleanup actions (who, what, when, where)
- Follow up occurs to determine if strategy is working or if adjustments are needed

Anticipated Timeline

- June 2008 → August 2009 - data collection
- September 2009 → December 2010 - data analysis, modeling and writing of study report
- January → June 2011 – development of cleanup strategy
- July → August 2011 - Public review of the draft study/strategy report
- September 2011 - Report submitted for EPA approval
- 2012 – development of list of cleanup actions
- 2013+ - follow up

Additional Information

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Ecology's Burnt Bridge Creek TMDL website:

http://www.ecy.wa.gov/programs/wq/tmdl/burnt_bridge/burnt_br-tmdl.html