

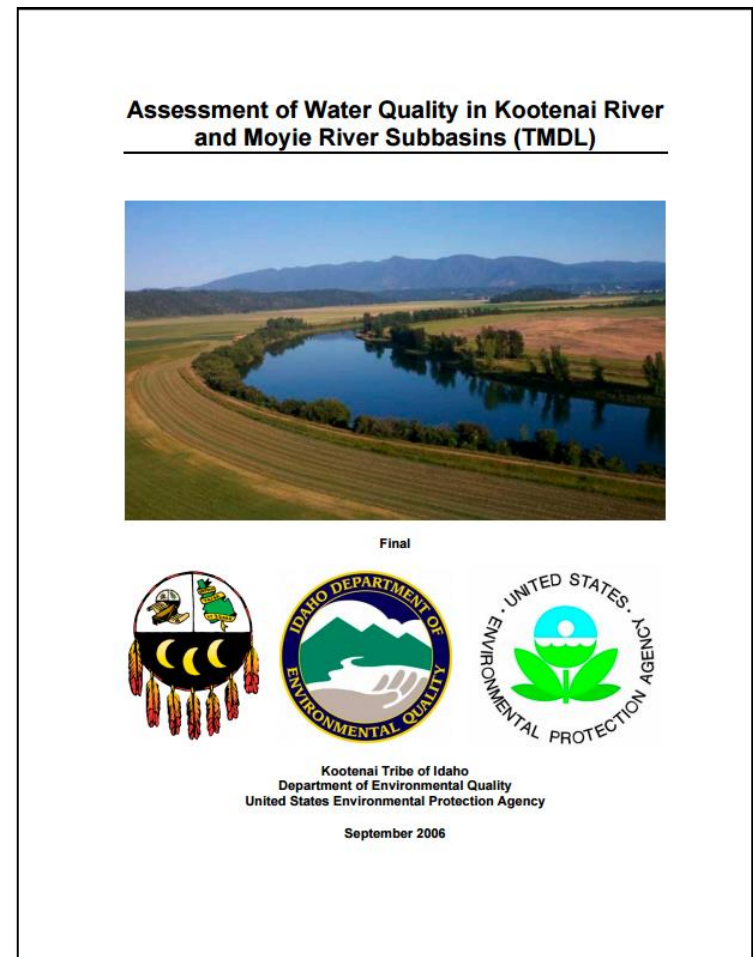
Kootenai/Moyie Subbasin TMDL Update

Presented at:
KVRI meeting
By: Robert Steed,
IDEQ , Surface Water Ecologist
June 18 2016



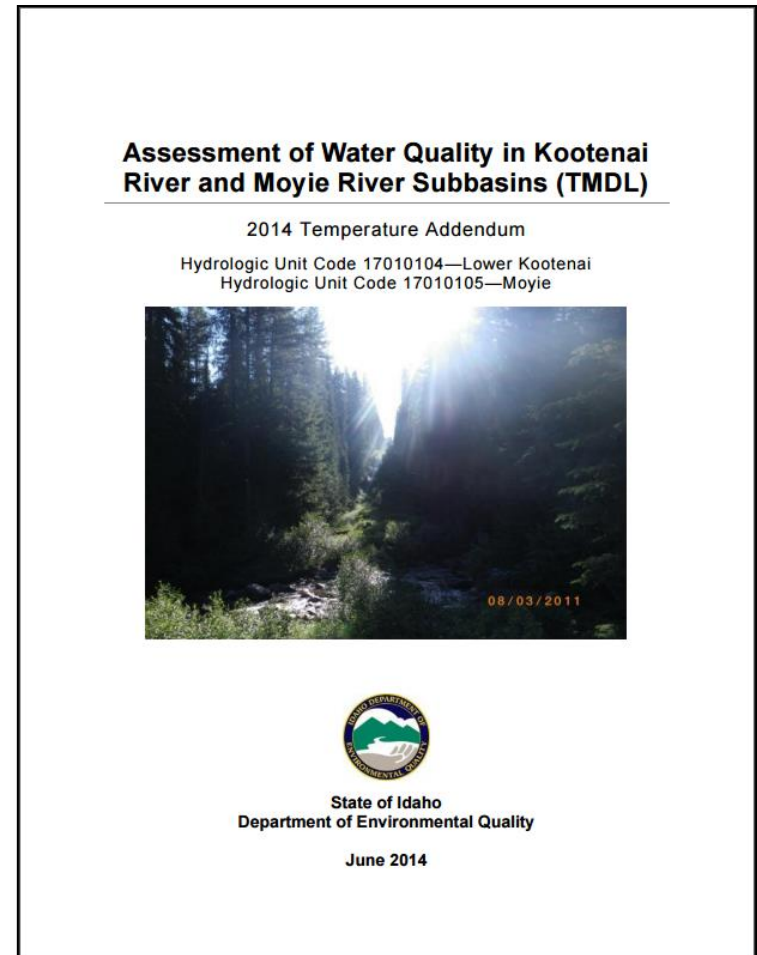
2006 Subbasin Assessment and TMDL:

- https://www.deq.idaho.gov/media/454748-water_data_reports_surface_water_tmdls_kootenai_moyie_rivers_kootenai_moyie_rivers_entire.pdf

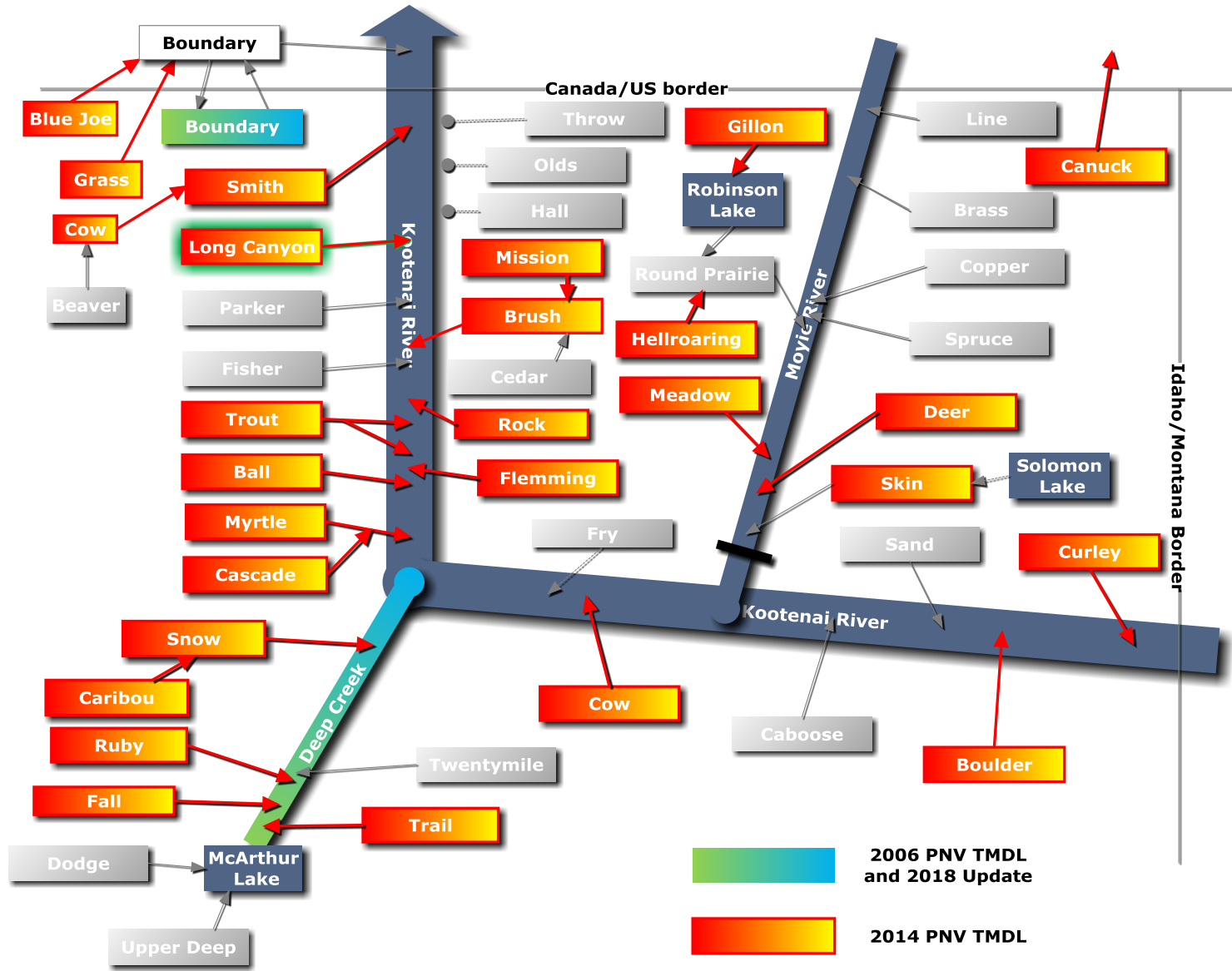


2014 Subbasin Assessment and TMDL Addendum:

- <https://www.deq.idaho.gov/media/1117751/assessment-wq-kootenai-river-moyie-river-sbas-temp-addendum.pdf>



PNV TMDLs



2006 TMDL – Temperature – Boundary Creek and Deep Creek

PNV TMDLs completed before DEQ's 2009 PNV manual completion used shade targets that were not based on Idaho plant communities, but were borrowed from surrounding states. Older aerial images were relatively poor quality resolution making shade interpretations difficult and prone to errors. DEQ's 2009 PNV manual provided shade targets based on Idaho plant communities that are more consistent with what we see on the ground and are clearly more related to the right plants found in the riparian communities. Revision provides us the opportunity to use current aerial imagery that has very high resolution and allows us to make few incorrect interpretations of shade, and it provides another opportunity to collect additional ground truthing information.

2006 and 2018 comparative existing and target solar loads

Table 3. 2006 and 2016 comparative existing and target solar loads

Water Body Segment	Assessment Unit	2006				2016			
		Total Existing Load	Total Target Load	Excess Load	Load Reduction	Total Existing Load	Total Target Load	Excess Load	Load Reduction
			(kVh/day)		(%)		(kVh/day)		(%)
Boundary Creek	ID17010104PN002_03	631,096	602,595	28,500	5%	600,000	620,000	0	0%
	ID17010104PN025_02 ID17010104PN022_03								
Deep Creek	ID17010104PN019_04	1,846,455	1,133,354	713,101	39%	2,400,000	2,300,000	95,000	4%
	ID17010104PN018_04								
	ID17010104PN015_04								

2018 TMDL Addendum

- Has been developed and reviewed by KVRI TMDL subcommittee
- Currently undergoing technical editing
- Will open a 30 public comment period
- To be submitted to EPA for approval

