

Beneficial Use Support Status Of Waterbodies in the Coeur d'Alene Lake Tributaries Watershed

Presented to the Coeur d'Alene
Watershed Advisory Group
December 2, 2010



Kristin Keith

Agenda

- Introductions
- Water Quality Status of Streams in Subbasin
- Special Water Quality Report
- WAG Roles/Responsibilities
- Other

Introductions

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Idaho Department of Environmental Quality



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About DEQ's Coeur d'Alene Region: Coeur d'Alene Lake Tributaries Watershed Advisory Group (WAG)

Watershed advisory groups (WAGs) are groups of interested citizens that provide local public input and guidance to DEQ during the development of water quality improvement plans or "Total Maximum Daily Loads" (TMDLs) for water bodies that fail to meet water quality standards. TMDLs are designed to reduce the levels of pollutants, such as bacteria and sediment, in impaired water bodies.



The Coeur d'Alene Lake Tributaries WAG was formed to develop and implement TMDLs to improve water quality in the Coeur d'Alene Lake Tributaries watershed. The watershed includes the Coeur d'Alene River downstream from Cataldo, its respective tributaries, and all tributaries to Lake Coeur d'Alene except the St. Joe and St. Maries Rivers. DEQ will consult with WAG participants on a regular basis throughout the TMDL development and/or five-year review process.

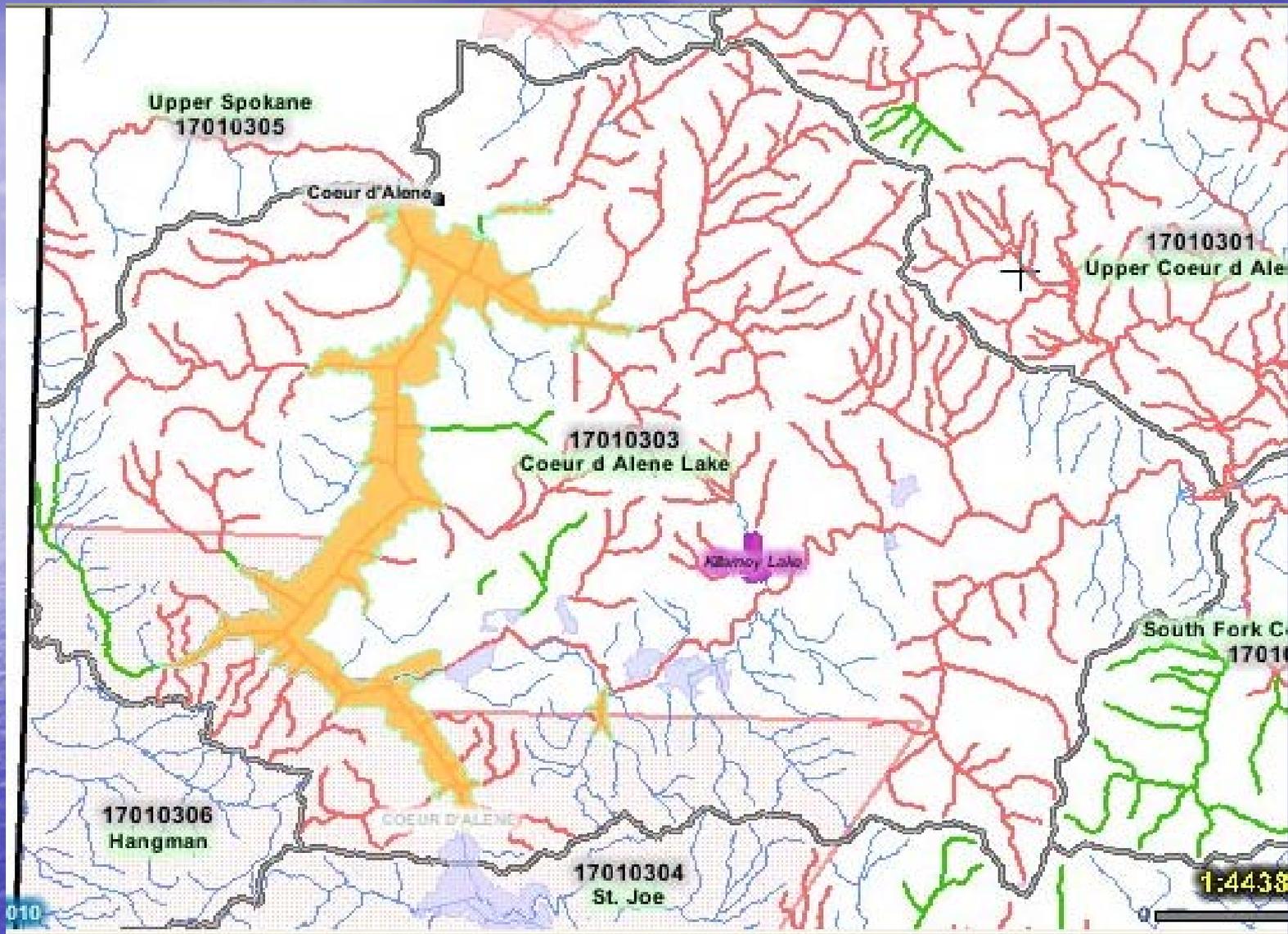
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[DEQ's Coeur d'Alene Regional Office Web Page](#)

Upcoming Meeting Date

Thursday, November 4, 2010, 10 a.m. - 12 noon

Contact Us
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Idaho Fish and Game
Large Conference Room
2750 W Kathleen Ave.
Coeur d'Alene, ID
> [Link to Agenda](#)

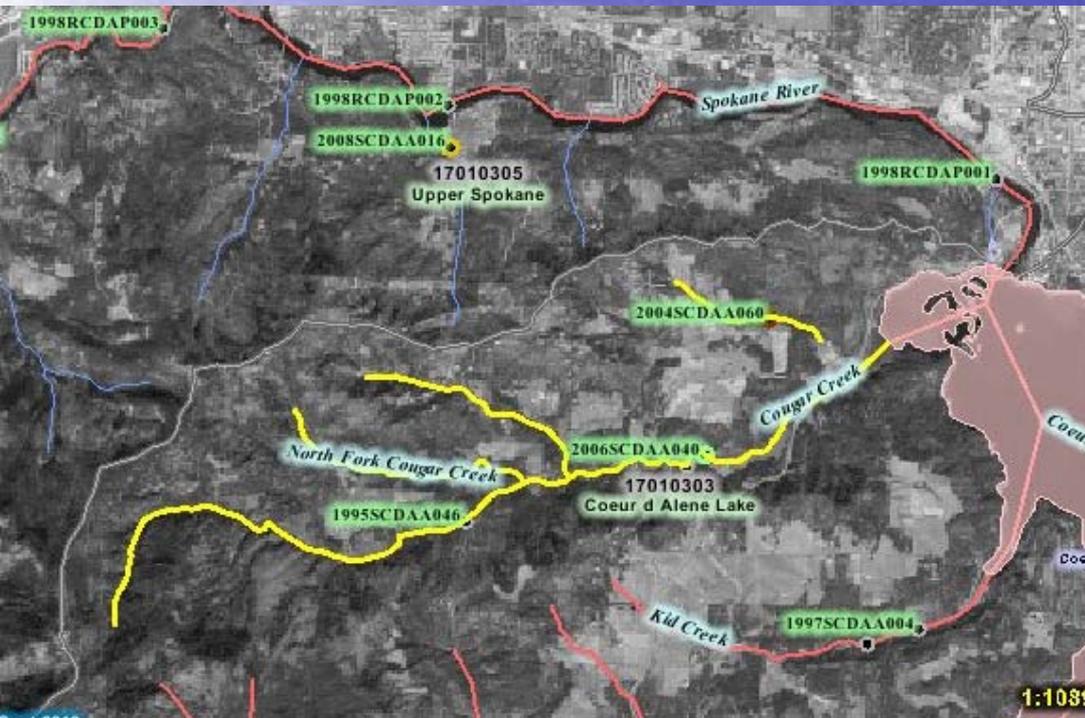


Not Supporting Beneficial Uses
 Fully Supporting Beneficial Uses
 Beneficial Use is Unassessed
 Coeur d'Alene Tribe Waters

Coeur d'Alene Lake Tributaries
 Watershed Beneficial Use Support

Cougar Creek

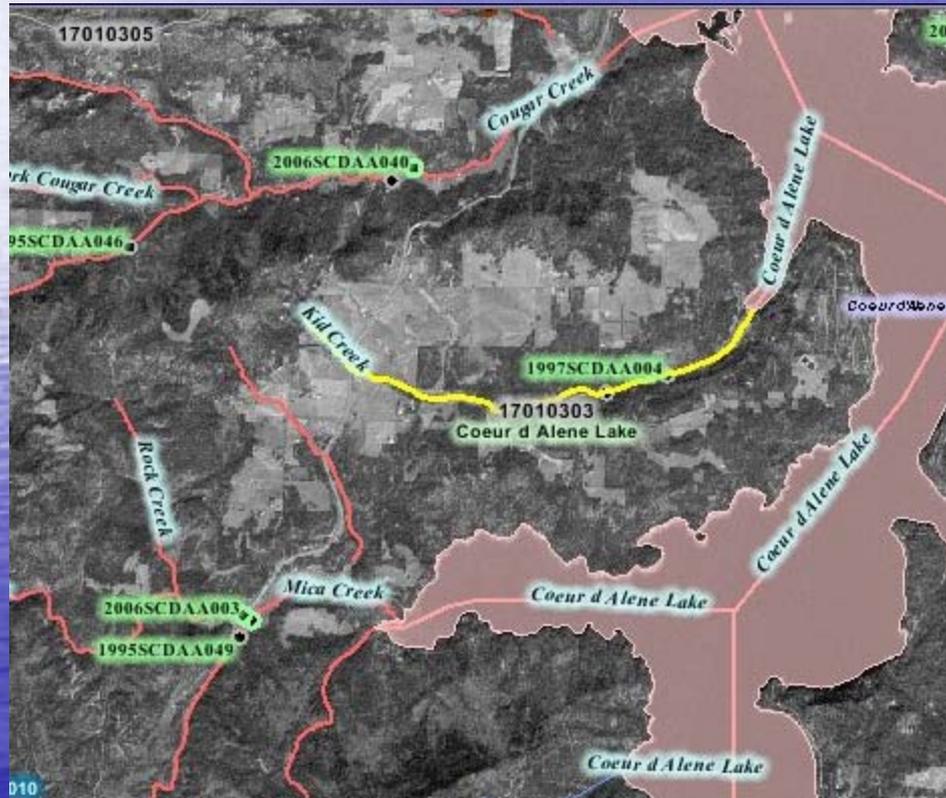
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- Not supporting beneficial uses due to sediment, temperature, and habitat alteration.
- Listing Basis: 1995 failed BURP
- In 2004 and 2006, BURP crews visited site and stream was dry.
- Under 2000 CDA Lake and River TMDL

Kid Creek

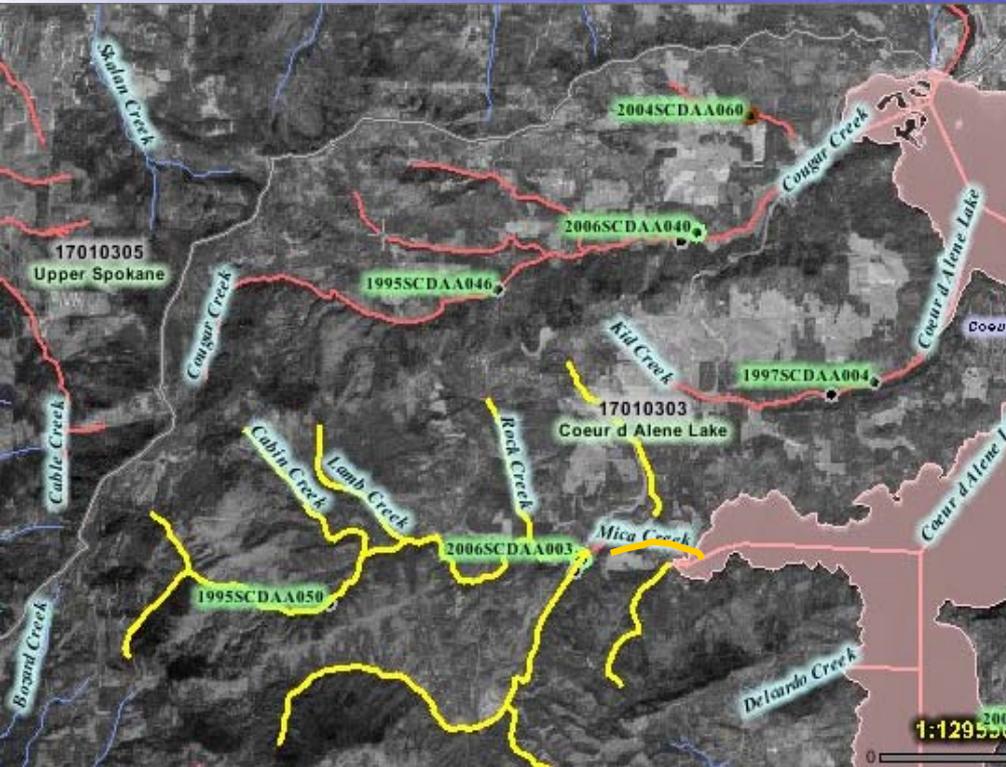
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- Not supporting beneficial uses due to sediment, and habitat alteration.
- Listing Basis: 1997 failed BURP
- Under 2000 CDA Lake and River TMDL

Mica Creek

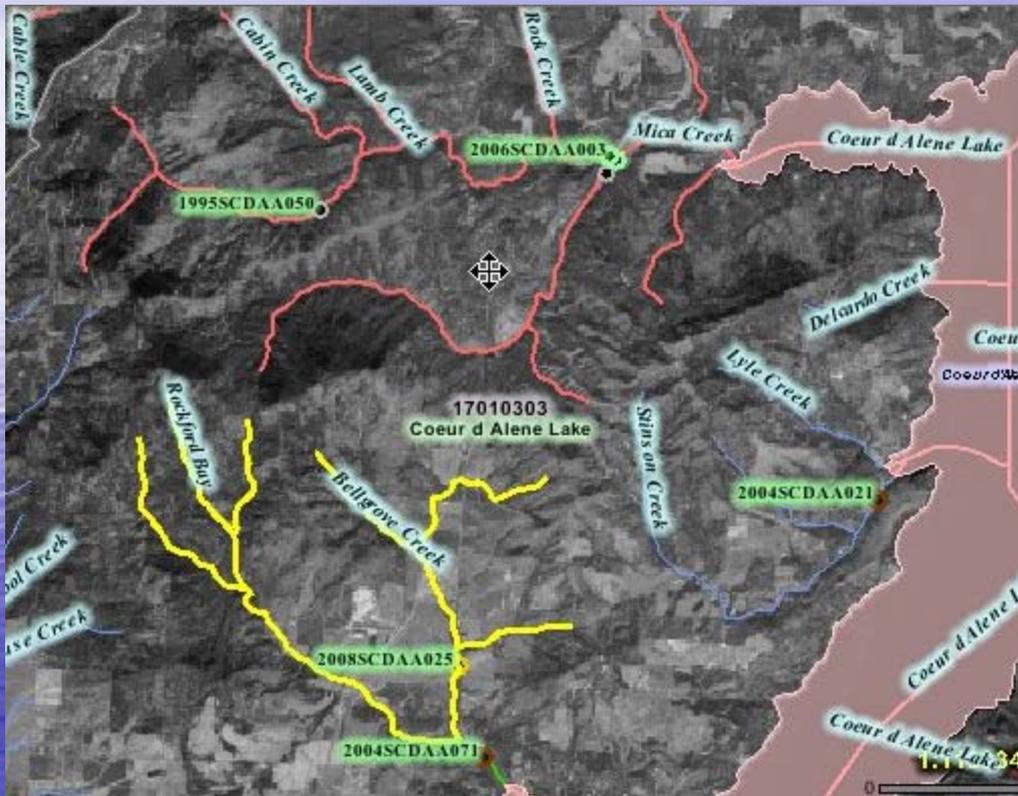
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- Not supporting beneficial uses due to sediment, fecal coliform, and habitat alteration.
- Listing Basis (sediment): 1995 failed BURP
In 2006 BURP crews visited 1995 site and stream was too deep to wade
- Listing Basis (fecal coliform): 1999 monitoring data
- Under 2000 CDA Lake and River TMDL

Bellgrove Creek

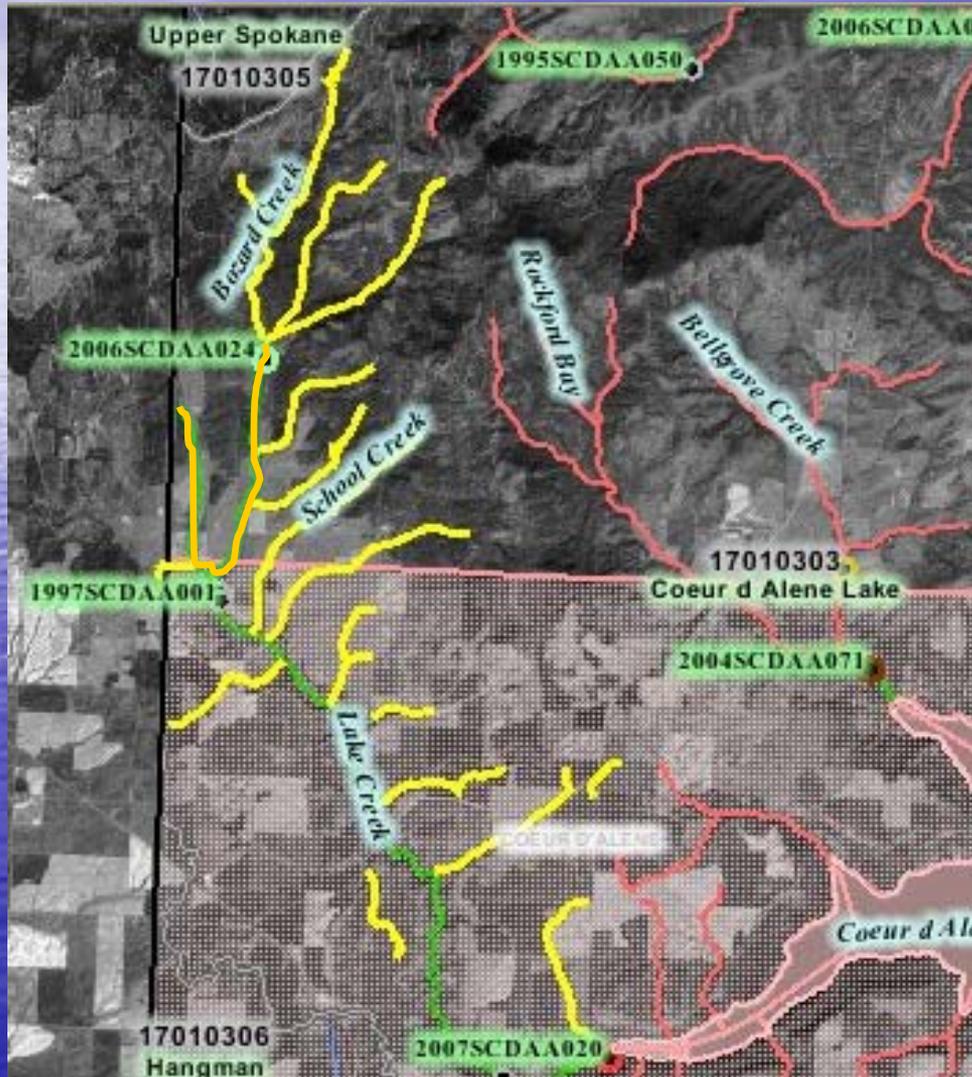
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- Not supporting beneficial uses due to sediment and fecal coliform.
- Listing Basis (sediment): 2007 *E. coli* water quality standard exceedances
- 2008 failed BURP
- 2010 Integrated report new listing for sediment due to 2008 BURP and 2009 monitoring data.
- Listing Basis (*E. coli*): 2007 monitoring data

Lake Creek, Bozard Creek

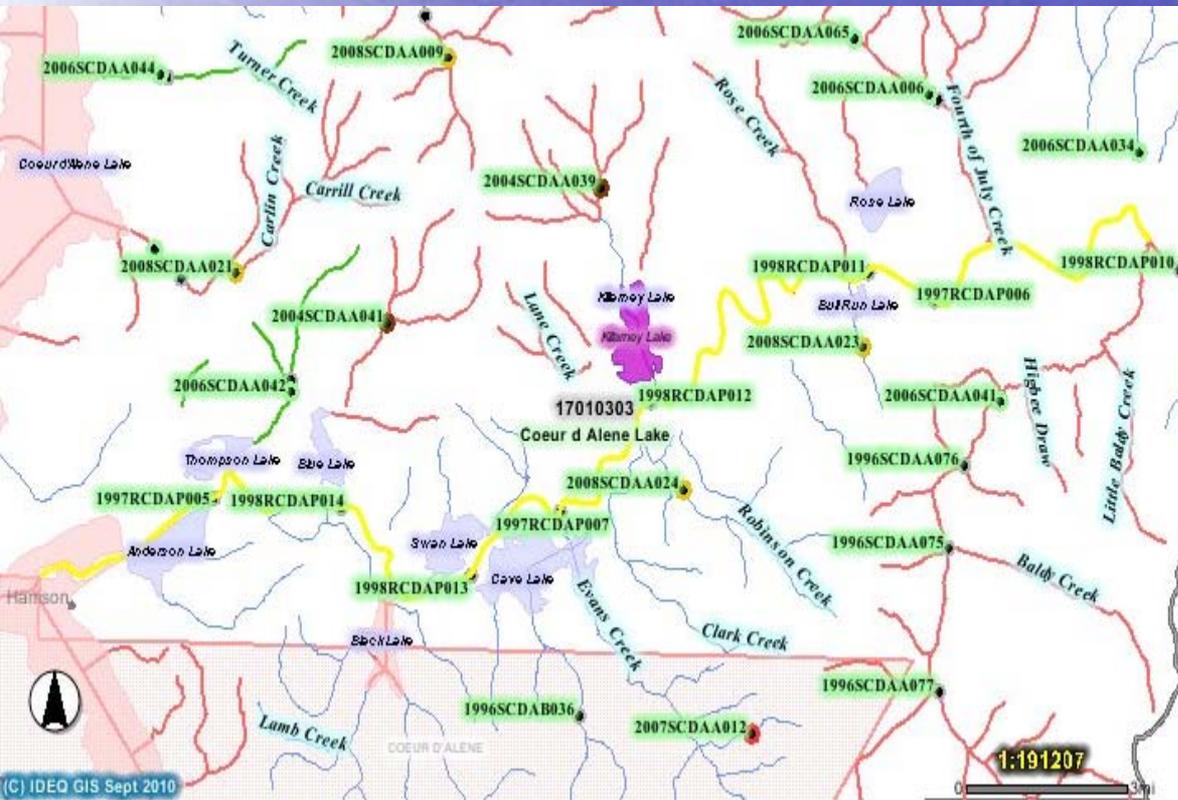
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- Fully supporting Beneficial Uses based on 2006 BURP
- BURP on tribal waters - explain

Coeur d'Alene River from Latour Creek to the Mouth

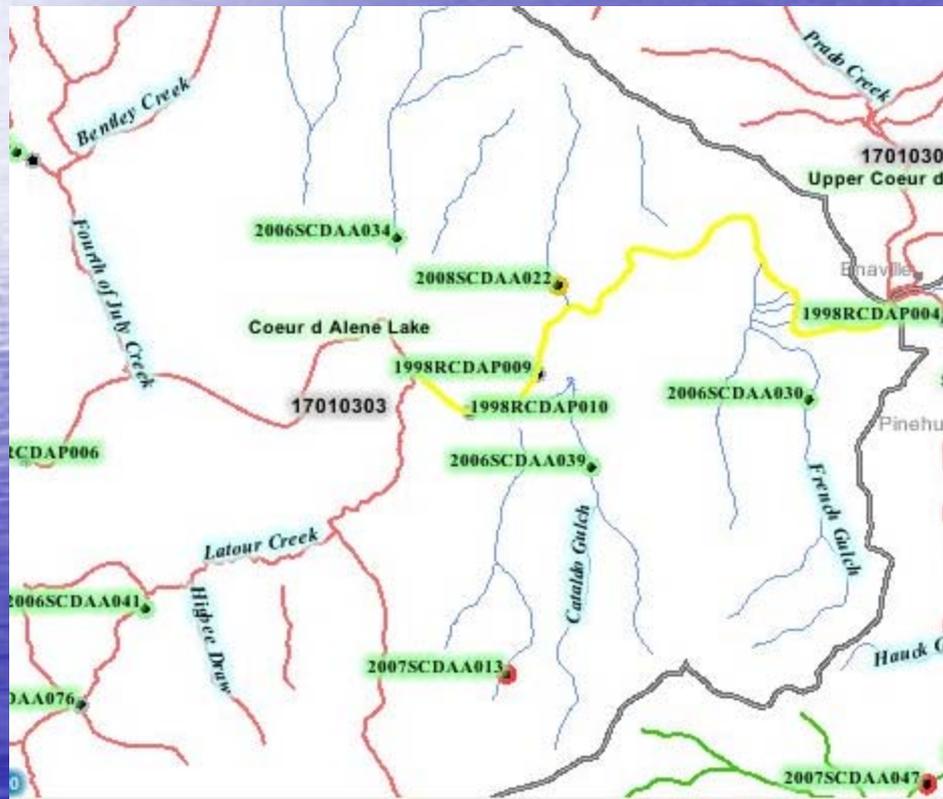
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- Not supporting beneficial uses due to Cd, Pb, Zn sediment, temperature, and habitat alteration.
- Listing Basis: DEQ 1998 temp data (10 sites), DEQ and USGS 1991 Cd, Pb, Zn, sediment data

Coeur d'Alene River from SF to Latour Creek

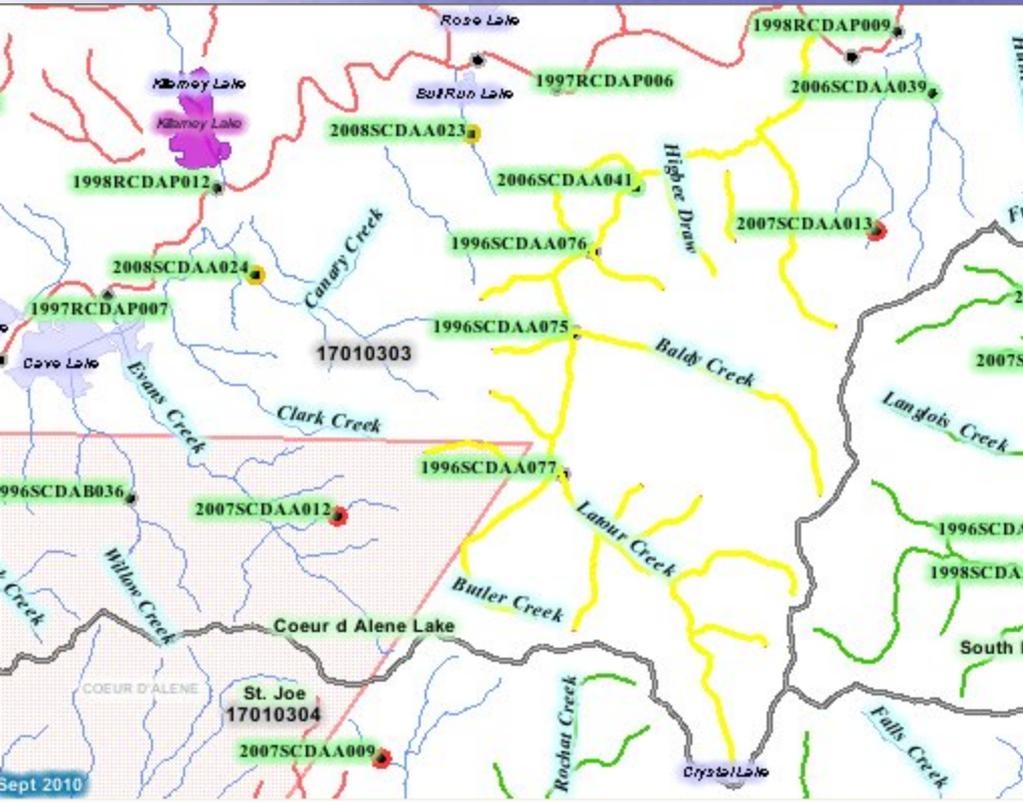
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- Not supporting beneficial uses due to Cd, Pb, Zn and temperature.
- Listing Basis: DEQ 1998 temp data (10 sites), DEQ and USGS 1991 Cd, Pb, Zn data

Latour Creek

ID17010303015_02



- Not supporting beneficial uses due to sediment and temperature.
- Listing Basis (Temp): 1997 DEO Temp data.
- Listing Basis (sediment): original 1998 listing and subbasin assessment under 2000 CDA Lake and River TMDL
- 1996 Passed BURP (Latour Ck)
- 1997 Passed BURP (Larch Ck)
- 2006 intended for BURP, flow was subsurface at site
- Under 2000 CDA Lake and River TMDL

Upper Fourth of July Creek

ID17010303020_02



- Not supporting beneficial uses due to sediment (2008 IR only), habitat alteration and temperature.
- Listing Basis (temp) 2004-2006 USFS Temp data.
- Listing Basis (sediment) failed BURP in 1996 (lower 4th of July)
- TMDL SBA found no excessive sedimentation
- Delisted Sediment on 2010 IR.

Lower Fourth of July Creek

ID17010303020_03



- Not supporting beneficial uses due to sediment (2008), habitat alteration, and temperature.
- Listing Basis (temp) 2006 USFS Temp data.
- Listing Basis (sediment) failed BURP in 1996
- TMDL SBA found no excessive sedimentation
- Passed BURP in 2006: Delisted Sediment on 2010 IR.

Rose Creek, Unnamed Tributary to Rose Lake

ID17010303021_02

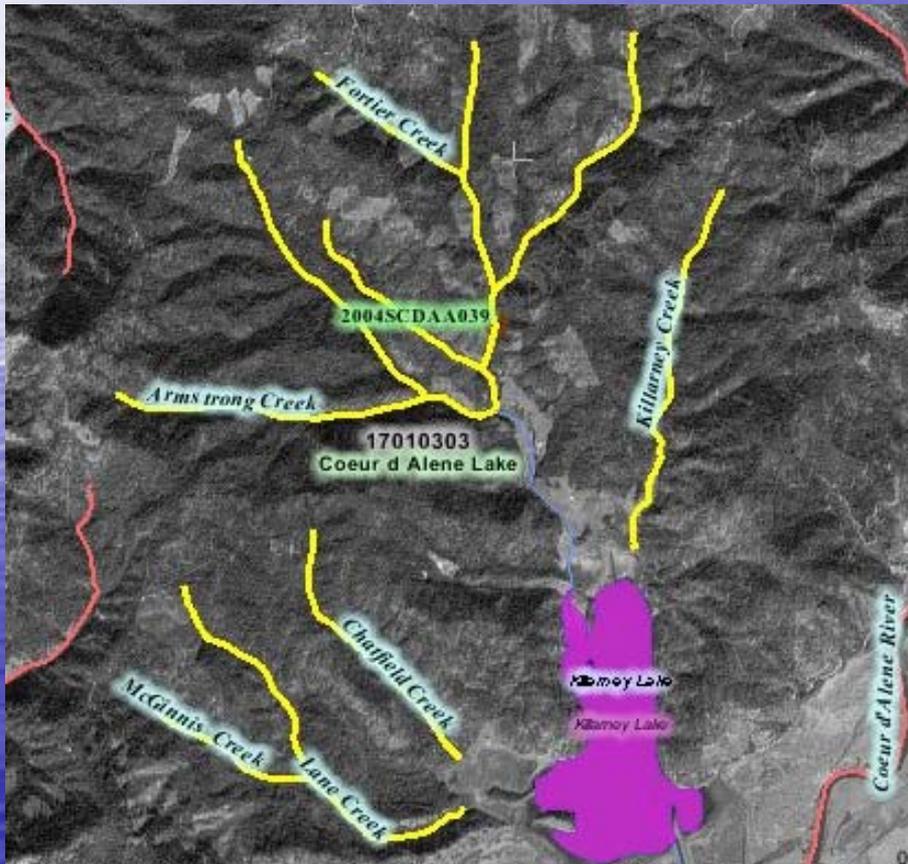


- Not supporting beneficial uses due to temperature.
- Listing Basis: 2004 USFS Temp data.

Tributaries to Killarney Lake

Killarney Lake

ID17010303022_02, ID17010303022_02,
ID17010303022L_0L



- Streams not supporting beneficial uses due to temperature.
- Listing Basis: 2004-2008 USFS Temp data.
- 2004 passed BURP
- Killarney Lake not supporting beneficial use due to Mercury
- Listing Basis: 2007 DEQ fish tissue sampling.
- Lower Fortier Creek is unassessed (22_03)

Tributaries to Blue Lake

ID17010303024_02



- Streams not supporting beneficial uses due temperature.
- Listing Basis: 2004-2008 USFS Temp data.
- Blue Lake is not assessed

Thompson Creek

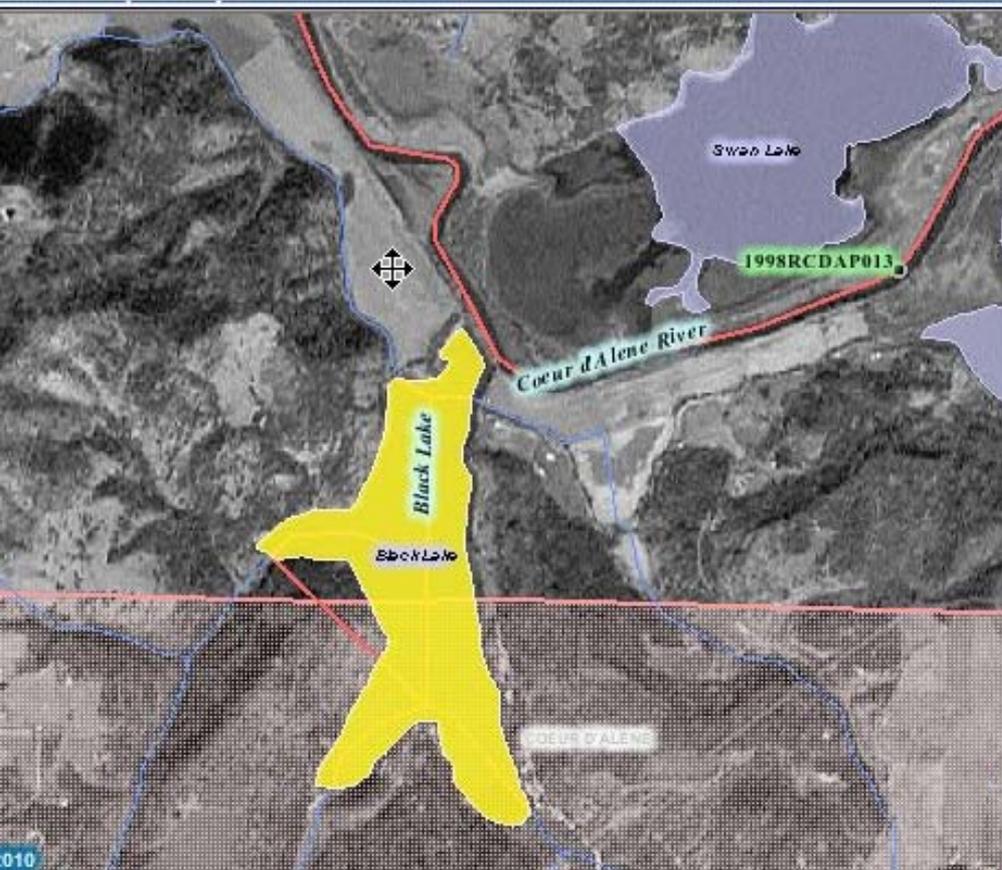
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- Fully supporting beneficial uses (after waterbody assessment, delisted for sediment in 2010 IR)
- Failed BURP in 1996
- 2006 BURP – denied access
- Thompson Lake unassessed

Black Lake

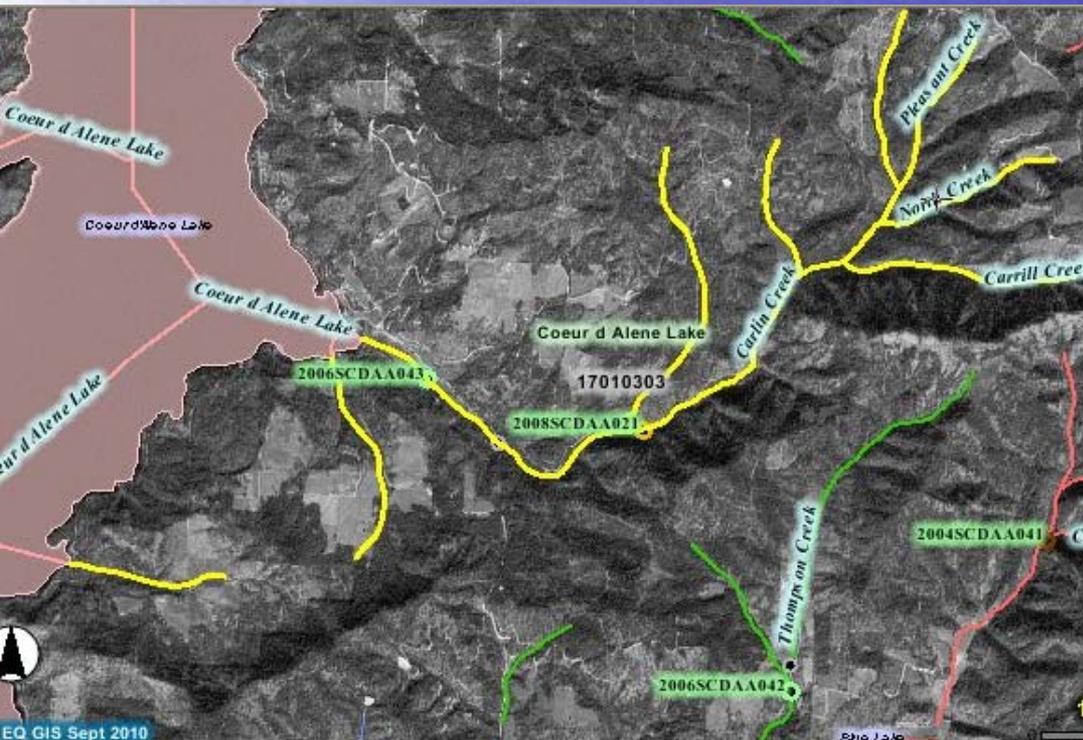
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- Not supporting beneficial uses due to nutrients (suspect)
- Listing basis: Nutrients data CDA Tribe (2005, 2006), and USGS (1987) data
- Draft TMDL about to be submitted to EPA
- Lower lake is Coeur d'Alene Tribal waters

Carlin Creek

ID17010303026_02



- Not supporting beneficial uses due temperature.
- Listing Basis: 2004-2008 USFS Temp data.
- Passed BURP in 2008

Turner Creek

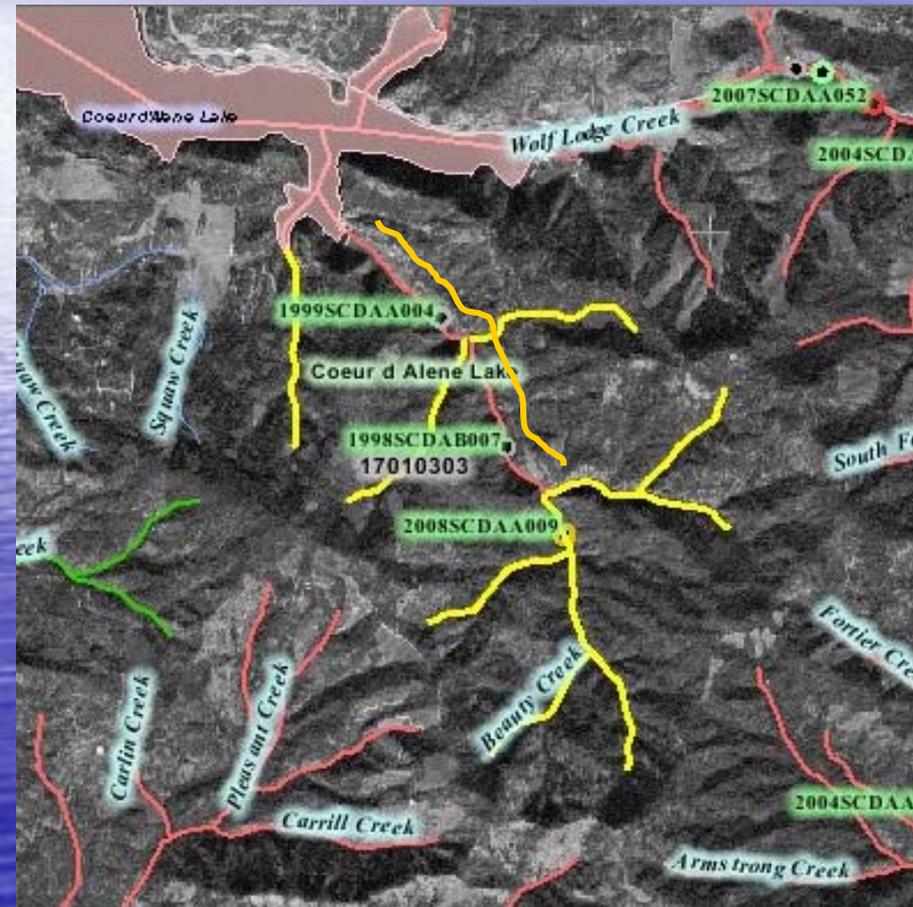
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- Fully supporting beneficial uses based on 1996 BURP scores.
- 2006 BURP denied access

Beauty Creek

ID17010303028_02, ID17010303028_03



- Not supporting beneficial uses due to temperature.
- Listing Basis: 1999-2008 USFS Temp data.
- Passing BURP scores in 1998 (lower Beauty), 1999 (lower Beauty), and 2008 (upper Beauty)

Upper Wolf Lodge Creek

ID17010303PN029_02



- Not supporting beneficial uses due to sediment and temperature
- Listing Basis (Temp): 2001-2006 USFS Temp data.
- Listing Basis (sediment): 1994 failed BURP (**lower Wolf Lodge**), subbasin assessment under 2000 CDA Lake and River TMDL
- Passed BURP in 1994 (Wolf Lodge), 1999 (Stella Creek)
- Under 2000 CDA Lake and River TMDL

Lower Wolf Lodge Creek

ID17010303PN029_03



- Not supporting beneficial uses due to sediment and temperature, habitat alteration.
- Listing Basis (Temp): 2001-2006 USFS Temp data.
- Listing Basis (sediment):
1994 failed BURP
2006 failed BURP
- Under 2000 CDA Lake and River TMDL

Upper Cedar Creek

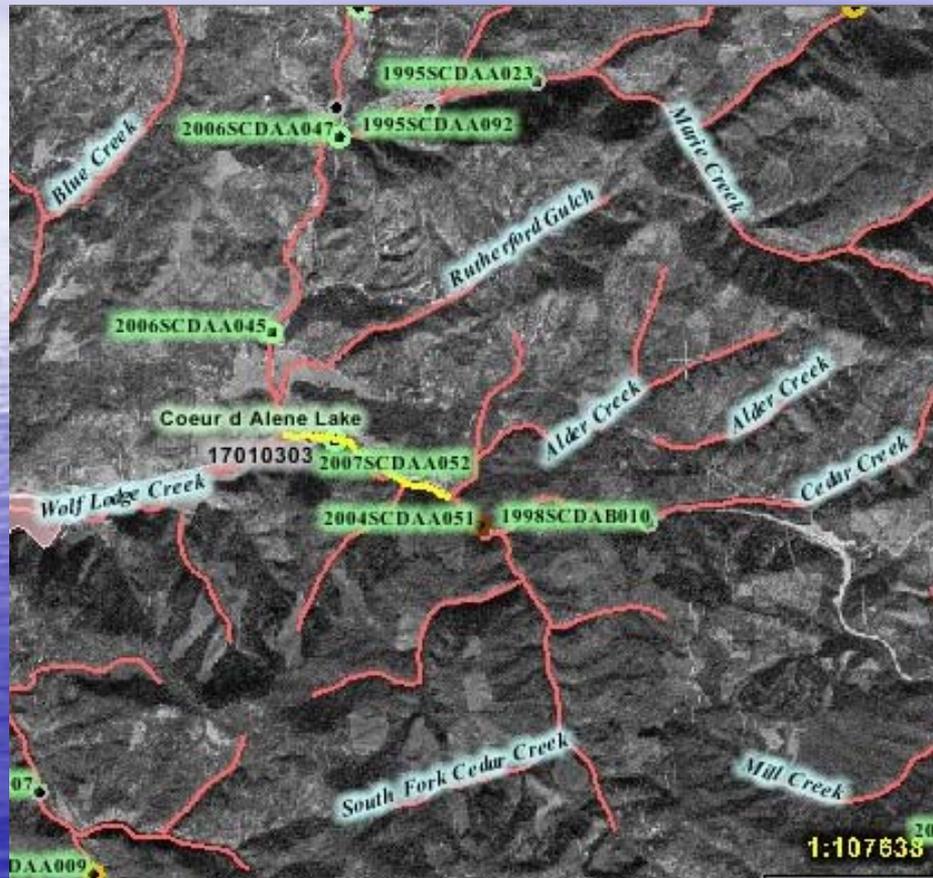
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- Not supporting beneficial uses due to sediment and temperature.
- Listing Basis (Temp): 2000-2005 USFS Temp data.
- Listing Basis (sediment): Failed BURP in 1996 (lower Cedar), subbasin assessment under 2000 CDA Lake and River TMDL
- Passed BURP in 1998
Stream dry in 2004
- Under 2000 CDA Lake and River TMDL

Lower Cedar Creek

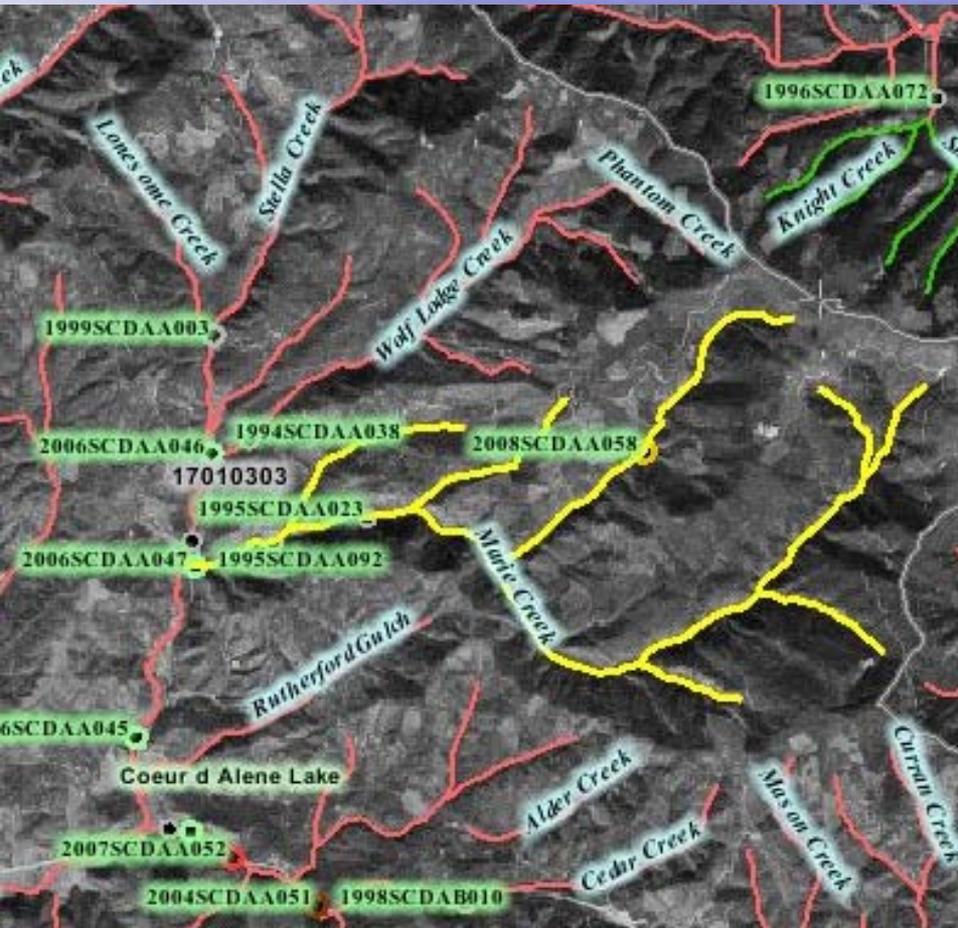
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- Not supporting beneficial uses due to sediment and temperature.
- Listing Basis (Temp): 2000-2006 USFS Temp data.
- Listing Basis (sediment): Failed BURP in 1996
Failed BURP in 2006
- Under 2000 CDA Lake and River TMDL

Marie Creek

ID17010303PN031_02



- Not supporting beneficial uses due to sediment, temperature and habitat alteration.
- Listing Basis (Temp): 2001-2006 USFS Temp data.
- Listing Basis (sediment): 1995 failed BURP, 1997 failed BURP
- Passed BURP in 2006
- Under 2000 CDA Lake and River TMDL

Fernan Creek at the Mouth, Fernan Lake

ID17010303PN032_03, ID17010303PN033_03



- Stream: fully supporting beneficial uses per the subbasin assessment under 2000 CDA Lake and River TMDL
- 1996 failed BURP
- Lake: Not supporting beneficial uses due to nutrients/eutrophication
- Listing basis: blue-green algae bloom in 2008, advisory TMDL suggested by subbasin assessment under 2000 CDA Lake and River TMDL

Fernan Creek

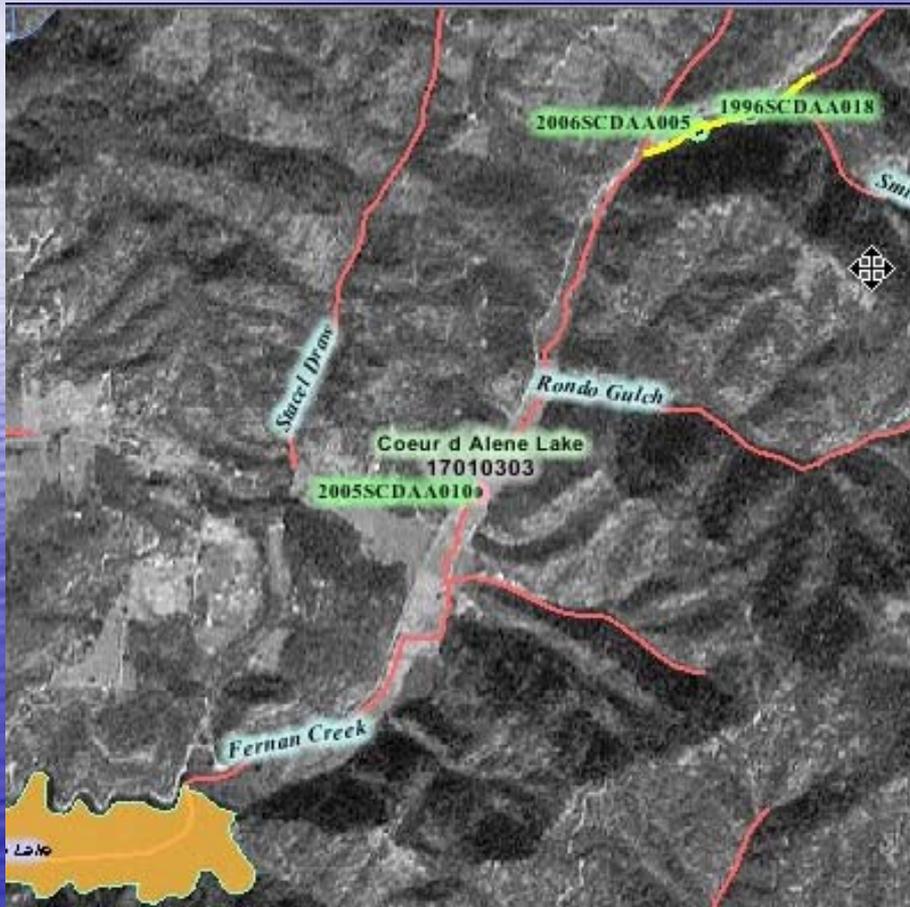
ID17010303PN034_02, ID17010303PN034_02a,
ID17010303PN034_03



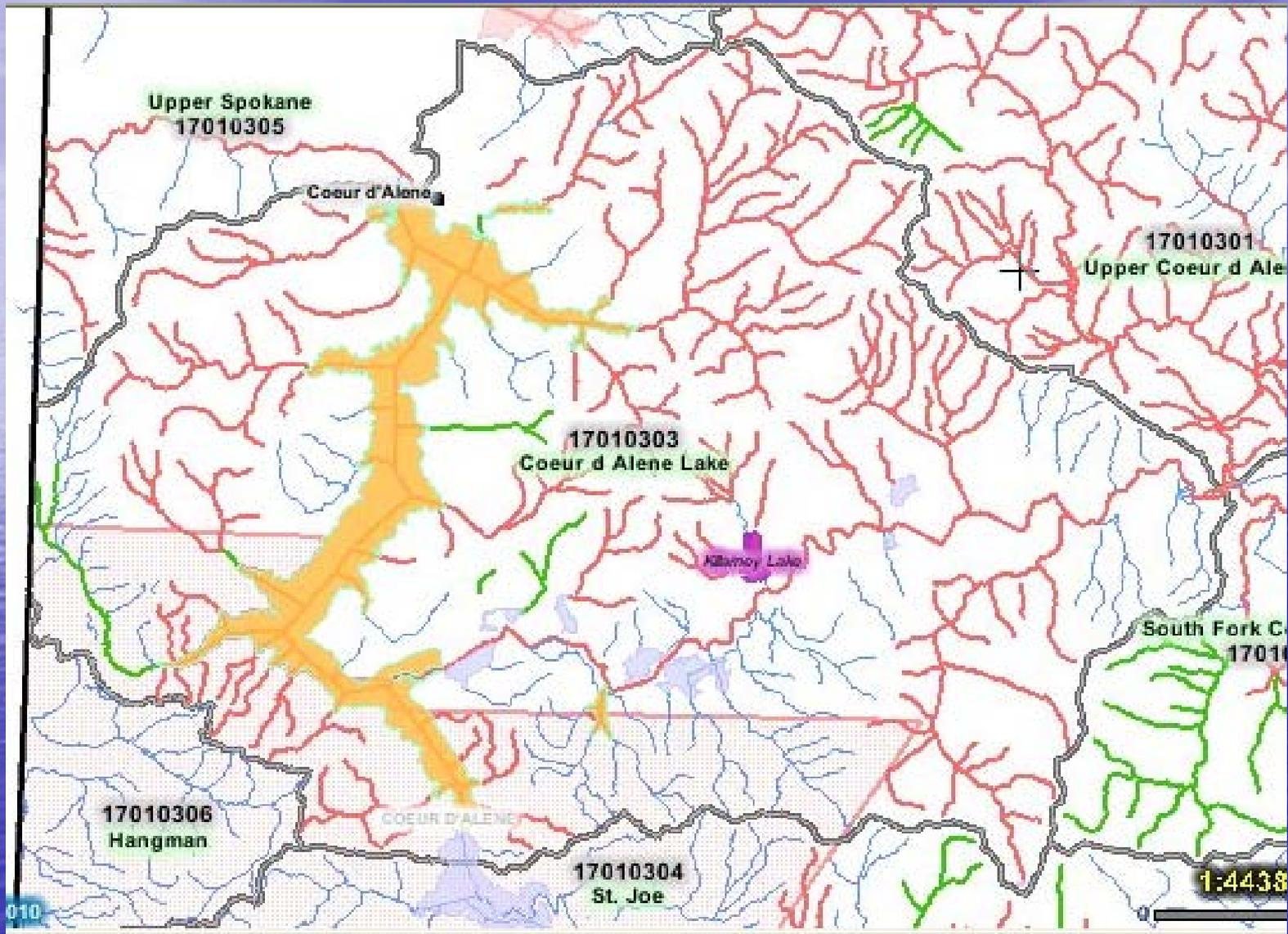
- Not supporting beneficial uses due to temperature.
- Listing Basis: 1996 failed BURP Scores (**lower Fernan**):
- Failed BURP in 2005 (**lower Fernan**):
- ID17010303PN034_02a became it's own assessment unit due to drinking water source, it is unassessed now

Fernan Creek

ID17010303PN034_02a

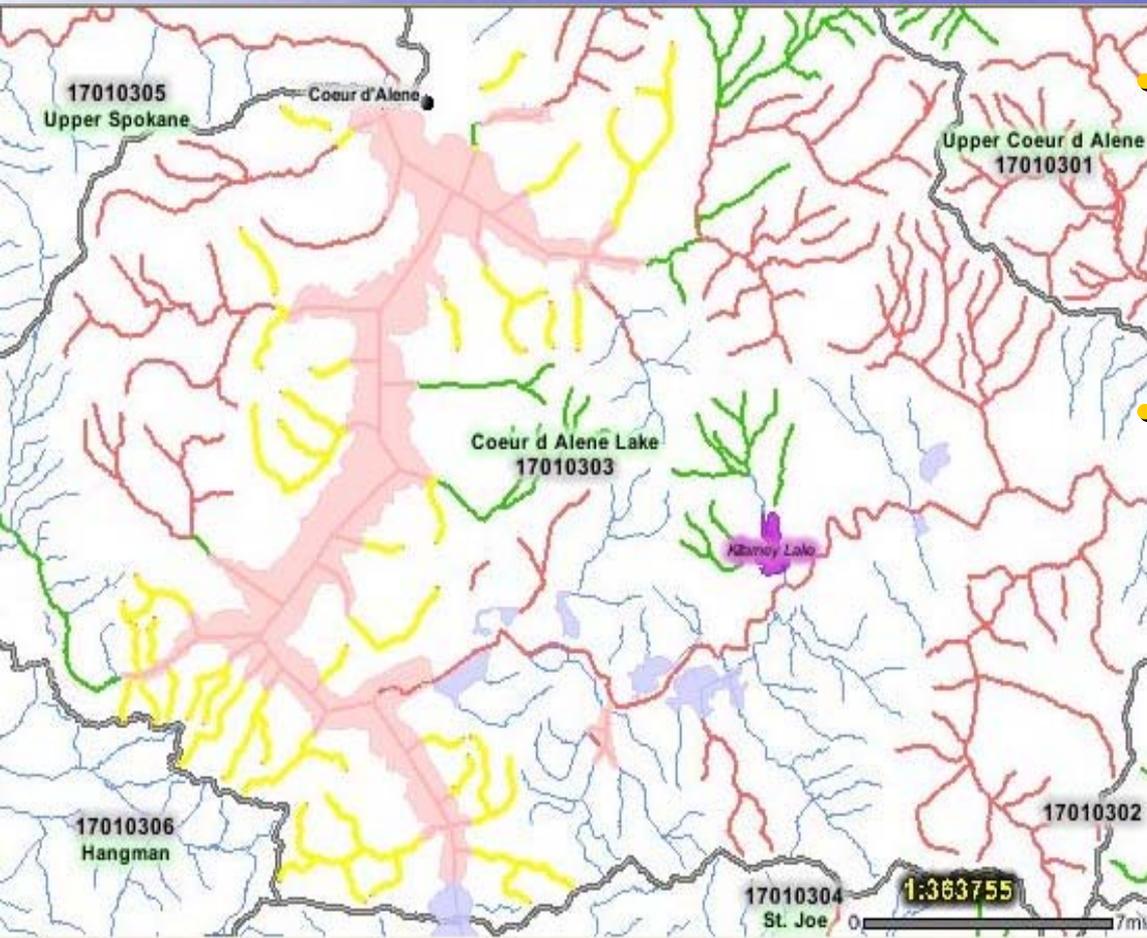


- Beneficial use status is unassessed for drinking water use



Miscellaneous Tribs to Lake CDA

ID17010303PN001_02



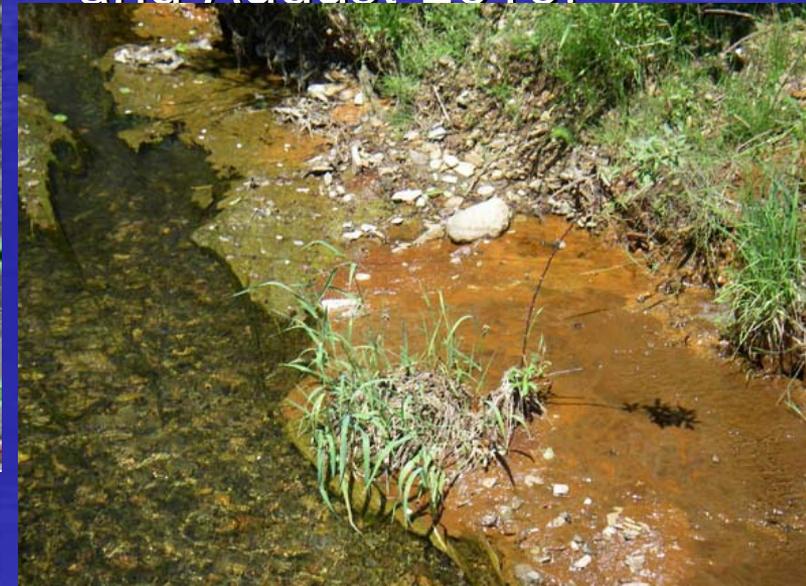
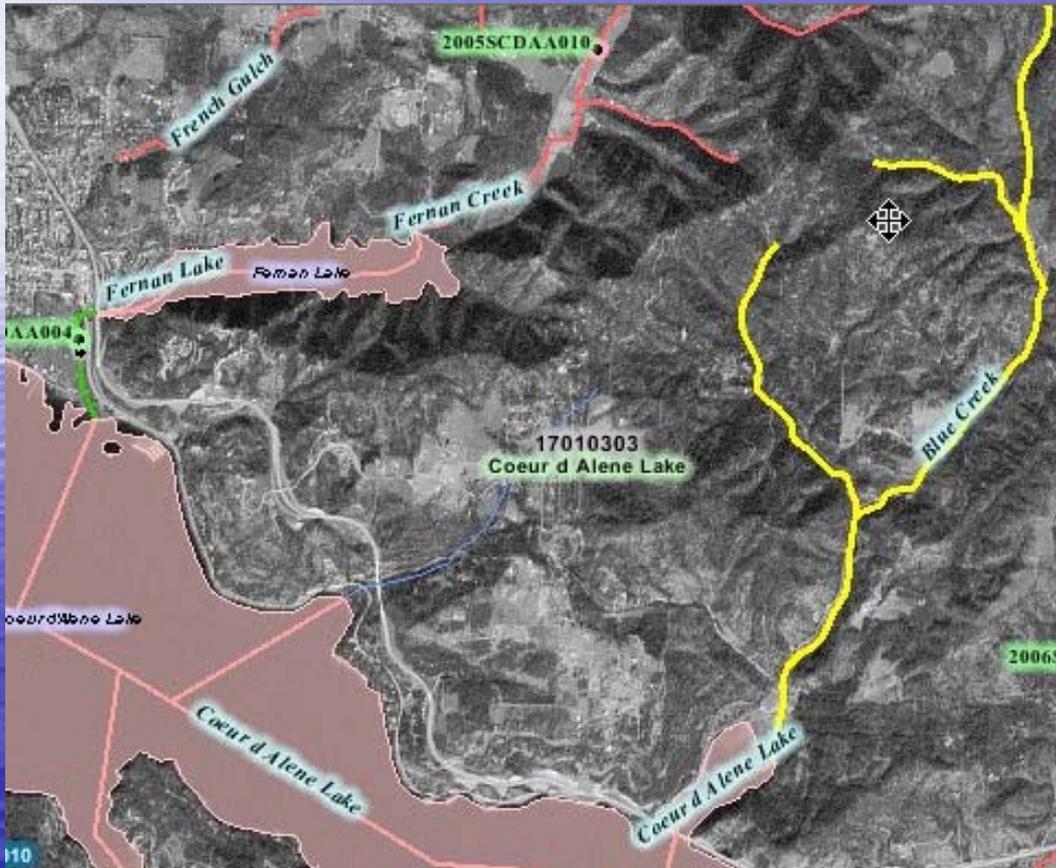
- A single assessment unit of approximately 35 small named and un-named creeks that drain into Coeur d'Alene Lake.

- Although they are listed on Idaho's 2008 Integrated report as impaired for sediment and for unknown pollutant (nutrient suspected), this listing is incorrect as it is based on 1996 failed BURP scores on Fernan Creek above Fernan Lake.

Blue Creek

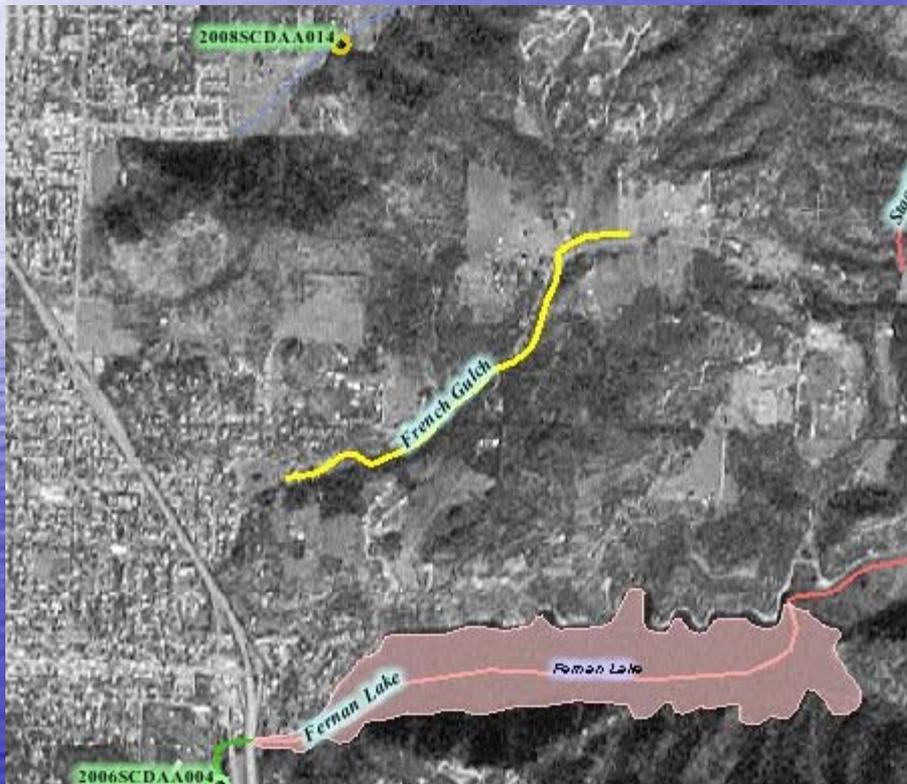
ID17010303PN001_02c

- Not supporting beneficial uses due to total phosphorus
- Listing Basis: observations of excessive algae growth on BLM property in August 2009 and August 2010.



French Gulch

ID17010303PN001_02c



- Not supporting beneficial uses due to nutrients and sediment.
- Listing Basis: observations of excessive algae growth and sedimentation in July 2009 and July 2010.

