Draft 2014 Integrated Report Summary for the Coeur d'Alene Region

Subject to change

New listings in Category 5/ Additions to the 303 (d) list.

The Coeur d'Alene Region is proposing 6 new causes of assessment unit (AU) impairment to the 303 (d) list (Category 5) due to identification of impairments of designated uses of waters in the region (Table 1). The newly identified causes of impairment are: Combined Biota/Habitat Bioassessments (3), Cadmium (1), Total Nitrogen (1), and Sedimentation/Siltation (1). The total mileage of newly identified impairments is 25.15.

Table 1. Assessment unit cause-combinations added to Category 5 for the 2014 Integrated Reporting cycle (draft)

Assessment Unit	AU Name	HUC	Length (mi)	Impairment
ID17010214PN002_02a	Unnamed trib. to Syringa Creek - source to mouth	Pend Oreille Lake	2.11	Combined Biota/Habitat Bioassessments
ID17010214PN002_03	Lower Hornby Creek	Pend Oreille Lake	4.88	Combined Biota/Habitat Bioassessments
ID17010214PN011_03	Unnamed Tributary to Jewel Lake	Pend Oreille Lake	1.83	Combined Biota/Habitat Bioassessments
ID17010214PN018_02b	Boyer Slough	Pend Oreille Lake	12.34	Nitrogen (Total)
ID17010302PN001_03a	South Fork Coeur d'Alene River-Canyon Creek to Placer Creek	South Fork Coeur d'Alene	0.852	Cadmium
ID17010303PN034_03	Fernan Creek - source to Fernan Lake	Coeur d'Alene Lake	3.14	Sedimentation/Siltation

Causes of impairments delisted from Category 4 or Category 5

The Region is proposing to delist 100 causes of impairment from 96 unique assessment units. The causes proposed for delisting are: Temperature (89), Benthic-Macroinvertebrate Bioassessments (6), Sedimentation/Siltation (3) and Combined Biota/Habitat Bioassessments (2)(Table 2). The AU delisting rational included in Table 2 is just a brief summary of the entire assessment. For the complete assessment please consult the Draft 2014 Integrated Report, Appendix M. In addition to these proposed delistings and outcomes of TMDLs, as discussed below, DEQ will be modifying a few AUs in the St. Joe River subbasin to better reflect land use and stream character. This will result in additional delistings which will be reflected in the final Integrated Report.

Table 2. Proposed delistings of assessment unit cause-combinations for the 2014 Integrated Reporting cycle (draft)

Assessment Unit	AU Name	HUC	Length (mi)	Cause	Category	Rational
ID17010104PN003_02	1st & 2nd order tribs to Grass Creek	Lower Kootenai	27.36	Benthic-Macroinvertebrate Bioassessments	5	True cause of impairment identified
ID17010104PN003_02	1st & 2nd order tribs to Grass Creek	Lower Kootenai	27.36	Temperature	5	EPA approved TMDL
ID17010104PN003_03	Grass Creek - third order portion to Idaho/Canadian border	Lower Kootenai	7.74	Temperature	5	EPA approved TMDL
ID17010104PN004_02	Blue Joe Creek - source to Idaho/Canadian border	Lower Kootenai	15.44	Temperature	5	EPA approved TMDL
ID17010104PN005_04	Smith Creek - Cow Creek to Kootenai River	Lower Kootenai	7.87	Temperature	5	EPA approved TMDL
ID17010104PN006_03	Cow Creek - source to mouth	Lower Kootenai	2.16	Temperature	5	EPA approved TMDL
ID17010104PN007_03	Smith Creek - source to Cow Creek	Lower Kootenai	5	Temperature	5	EPA approved TMDL
ID17010104PN008_02	Long Canyon Creek - source to mouth	Lower Kootenai	29.83	Temperature	5	EPA approved TMDL
ID17010104PN010_03	Trout Creek - 3rd order to branch	Lower Kootenai	4.56	Temperature	5	EPA approved TMDL
ID17010104PN011_02	Upper Ball Creek - source to forest edge	Lower Kootenai	34.25	Temperature	5	EPA approved TMDL
ID17010104PN011_02a	Ball Creek- lower portion, forest to Kootenai River	Lower Kootenai	0.78	Benthic-Macroinvertebrate Bioassessments	5	True cause of impairment identified
ID17010104PN011_02a	Ball Creek- lower portion, forest to Kootenai River	Lower Kootenai	0.78	Temperature	5	EPA approved TMDL
ID17010104PN013_03	Myrtle Creek - Jim Creek to mouth	Lower Kootenai	11	Temperature	5	EPA approved TMDL
ID17010104PN014_02	Cascade Creek - source to mouth	Lower Kootenai	3.58	Temperature	5	EPA approved TMDL
ID17010104PN016_03	Lower Snow Creek	Lower Kootenai	7.57	Temperature	5	EPA approved TMDL
ID17010104PN017_02	Caribou Creek - source to mouth	Lower Kootenai	10.74	Temperature	5	EPA approved TMDL
ID17010104PN020_03	Ruby Creek - lower, Gold Creek to Deep Creek	Lower Kootenai	1.6	Temperature	5	EPA approved TMDL
ID17010104PN021_03	Fall Creek - lower, 3rd order portion to Deep Creek	Lower Kootenai	8.07	Temperature	5	EPA approved TMDL
ID17010104PN024_03	Dodge Creek	Lower Kootenai	0.45	Benthic-Macroinvertebrate Bioassessments	5	Duplicative listing
ID17010104PN026_03	Trail Creek - source to Highway	Lower Kootenai	2.61	Temperature	5	EPA approved TMDL

Assessment Unit	AU Name	HUC	Length (mi)	Cause	Category	Rational
ID17010104PN030_03	Cow Creek - lower, Brush Creek to earthen levy	Lower Kootenai	1.32	Combined Biota/Habitat Bioassessments	5	True cause of impairment identified
ID17010104PN032_03	Boulder Creek - East Fork Boulder Creek to mouth	Lower Kootenai	4.22	Temperature	5	EPA approved TMDL
ID17010104PN035_03	Curley Creek - lower, unnamed trib to Kootenai River	Lower Kootenai	8.62	Temperature	5	EPA approved TMDL
ID17010104PN036_03	Fleming Creek - lower	Lower Kootenai	3.49	Temperature	5	EPA approved TMDL
ID17010104PN037_03	Rock Creek - lower	Lower Kootenai	1.33	Temperature	5	EPA approved TMDL
ID17010104PN038_03	Mission Creek - Brush Creek to mouth	Lower Kootenai	2.91	Temperature	5	EPA approved TMDL
ID17010104PN039_02	Brush Creek - source to mouth	Lower Kootenai	9.73	Benthic-Macroinvertebrate Bioassessments	5	True cause of impairment identified
ID17010104PN039_02	Brush Creek - source to mouth	Lower Kootenai	9.73	Combined Biota/Habitat Bioassessments	5	True cause of impairment identified
ID17010104PN040_03	Mission Creek - Idaho/Canadian border to Brush Creek	Lower Kootenai	9.07	Temperature	5	EPA approved TMDL
ID17010105PN002_02	Moyie River - Meadow Creek to Moyie Falls Dam	Moyie	9.19	Temperature	5	EPA approved TMDL
ID17010105PN003_02	Skin Creek - Idaho/Montana border to mouth	Moyie	8.81	Temperature	5	EPA approved TMDL
ID17010105PN004_02	Deer Creek - source to mouth	Moyie	30.95	Temperature	5	EPA approved TMDL
ID17010105PN004_03	Deer Creek - source to mouth	Moyie	6.25	Temperature	5	EPA approved TMDL
ID17010105PN006_02	Tribs to Moyie River btwn CA border and Round Prairie Creek	Moyie	22.88	Temperature	5	EPA approved TMDL
ID17010105PN007_02	Canuck Creek - Idaho/Montana border to Idaho/Canadian border	Moyie	13.71	Temperature	5	EPA approved TMDL
ID17010105PN009_02	Gillon Creek - Idaho/Canadian border to mouth	Moyie	6.95	Temperature	5	EPA approved TMDL
ID17010105PN010_03	Round Prairie Creek - source to Gillon Creek	Moyie	2.96	Temperature	5	EPA approved TMDL
ID17010105PN011_02	Miller Creek - source to mouth	Moyie	3.69	Temperature	5	EPA approved TMDL
ID17010105PN012_02	Meadow Creek - source to Wall Creek	Moyie	22.63	Benthic-Macroinvertebrate Bioassessments	5	True cause of impairment identified
ID17010105PN012_02	Meadow Creek - source to Wall Creek	Moyie	22.63	Temperature	5	EPA approved TMDL
ID17010105PN012_03	Meadow Creek - Wall Creek to Moyie River	Moyie	2.63	Temperature	5	EPA approved TMDL

Assessment Unit	AU Name	HUC	Length (mi)	Cause	Category	Rational
ID17010214PN018_02b	Boyer Slough	Pend Oreille Lake	12.34	Benthic-Macroinvertebrate Bioassessments	5	True causes of impairment identified
ID17010301PN001_02	North Fork Coeur d'Alene River tributaries below Prichard Cr	Upper Coeur d'Alene	77.88	Temperature	5	EPA approved TMDL
ID17010301PN001_05	North Fork Coeur d'Alene River, below Prichard Creek	Upper Coeur d'Alene	26.3	Temperature	5	EPA approved TMDL
ID17010301PN001_05a	North Fork Coeur d'Alene R. btw Yellowdog and Prichard Cr	Upper Coeur d'Alene	14.77	Temperature	5	EPA approved TMDL
ID17010301PN002_03	Graham Creek, below Deceitful Gulch	Upper Coeur d'Alene	1.06	Temperature	5	EPA approved TMDL
ID17010301PN003_02	Beaver Creek - Headwaters and tributaries	Upper Coeur d'Alene	44.88	Temperature	5	EPA approved TMDL
ID17010301PN003_03	Beaver Creek- below White Creek	Upper Coeur d'Alene	3.71	Temperature	5	EPA approved TMDL
ID17010301PN004_04	Prichard Creek below Eagle Creek	Upper Coeur d'Alene	2.94	Temperature	5	EPA approved TMDL
ID17010301PN005_02	Prichard Creek -headwaters and tributaries above Butte Gulch	Upper Coeur d'Alene	24.32	Temperature	5	EPA approved TMDL
ID17010301PN008_02	West Fork Eagle Creek and tributaries	Upper Coeur d'Alene	14.69	Temperature	5	EPA approved TMDL
ID17010301PN009_03	Lost Creek, below East Fork Lost Creek	Upper Coeur d'Alene	1.28	Temperature	5	EPA approved TMDL
ID17010301PN010_03	Shoshone Creek, below Falls Creek	Upper Coeur d'Alene	6.76	Temperature	5	EPA approved TMDL
ID17010301PN011_02	Falls Creek and tributaries	Upper Coeur d'Alene	8.07	Temperature	5	EPA approved TMDL
ID17010301PN012_02	Shoshone Creek, headwaters and tribs above Falls Creek	Upper Coeur d'Alene	46.87	Temperature	5	EPA approved TMDL
ID17010301PN012_03	Shoshone Creek, between Little Lost Fork and Falls Creek	Upper Coeur d'Alene	7.08	Temperature	5	EPA approved TMDL
ID17010301PN013_02	NF Coeur d'Alene R tributaries btw Tepee Cr and Yellowdog Cr	Upper Coeur d'Alene	33.84	Temperature	5	EPA approved TMDL
ID17010301PN013_04	North Fork Coeur d'Alene River btw Jordan Cr and Tepee Cr	Upper Coeur d'Alene	7.06	Temperature	5	EPA approved TMDL
ID17010301PN013_05	North Fork Coeur d'Alene River btw Tepee Cr and Yellowdog Cr	Upper Coeur d'Alene	11.88	Temperature	5	EPA approved TMDL
ID17010301PN014_02	Jordan Creek - headwaters and tributaries	Upper Coeur d'Alene	15.33	Sedimentation/Siltation	4a	Restoration activities has led to water quality standards attainment and full beneficial use support
ID17010301PN014_02a	Cub Creek	Upper Coeur	1.48	Sedimentation/Siltation	4a	Data indicate full beneficial use support

Assessment Unit	AU Name	HUC	Length (mi)	Cause	Category	Rational
		d'Alene				
ID17010301PN014_02b	Calamity Creek	Upper Coeur d'Alene	3.8	Sedimentation/Siltation	4a	Data indicate full beneficial use support
ID17010301PN014_03	Jordan Creek and lower Lost Fork below Plant Creek	Upper Coeur d'Alene	3.39	Temperature	5	EPA approved TMDL
ID17010301PN015_02	NF Coeur d'Alene River, upper, headwaters and tributaries	Upper Coeur d'Alene	70.39	Temperature	5	EPA approved TMDL
ID17010301PN015_03	NF Coeur d'Alene River, upper, and lower Buckskin Creek	Upper Coeur d'Alene	6.03	Temperature	5	EPA approved TMDL
ID17010301PN015_04	NF Coeur d'Alene R. between Buckskin Cr. and Jordan Cr.	Upper Coeur d'Alene	9.52	Temperature	5	EPA approved TMDL
ID17010301PN016_02	West Elk Creek and Cataract Creek	Upper Coeur d'Alene	7.32	Temperature	5	EPA approved TMDL
ID17010301PN017_04	Tepee Creek, between Trail and Independence Creek	Upper Coeur d'Alene	4.13	Temperature	5	EPA approved TMDL
ID17010301PN017_05	Tepee Creek, below Independence Creek	Upper Coeur d'Alene	4.7	Temperature	5	EPA approved TMDL
ID17010301PN018_02	Independence Creek headwaters and tributaries	Upper Coeur d'Alene	68.88	Temperature	5	EPA approved TMDL
ID17010301PN018_03a	Declaration Creek, lower	Upper Coeur d'Alene	1.53	Temperature	5	EPA approved TMDL
ID17010301PN018_03b	Snow Creek, lower	Upper Coeur d'Alene	2.76	Temperature	5	EPA approved TMDL
ID17010301PN018_04	Independence Creek, below Declaration Creek	Upper Coeur d'Alene	10	Temperature	5	EPA approved TMDL
ID17010301PN019_02	Trail Creek - headwaters and tributaries	Upper Coeur d'Alene	35.65	Temperature	5	EPA approved TMDL
ID17010301PN019_03	Trail Creek, below Stewart Creek	Upper Coeur d'Alene	6.29	Temperature	5	EPA approved TMDL
ID17010301PN020_02	Tepee Creek - headwaters and tributaries	Upper Coeur d'Alene	48.56	Temperature	5	EPA approved TMDL
ID17010301PN020_03	Tepee Creek-between Short Creek and Trail Creek	Upper Coeur d'Alene	4.61	Temperature	5	EPA approved TMDL
ID17010301PN021_02	Brett Creek and tributaries	Upper Coeur d'Alene	6.55	Temperature	5	EPA approved TMDL
ID17010301PN022_02	Miners Creek and tributaries	Upper Coeur d'Alene	4.96	Temperature	5	EPA approved TMDL
ID17010301PN023_03	Flat Creek, lower	Upper Coeur d'Alene	4.68	Temperature	5	EPA approved TMDL
ID17010301PN024_02	Yellowdog Creek - Headwaters to NF CDA River	Upper Coeur d'Alene	12.2	Temperature	5	EPA approved TMDL

Assessment Unit	AU Name	HUC	Length (mi)	Cause	Category	Rational
ID17010301PN026_02	Brown Creek and tributaries	Upper Coeur d'Alene	7.79	Temperature	5	EPA approved TMDL
ID17010301PN028_02	Steamboat Creek - headwaters to tributaries	Upper Coeur d'Alene	47.24	Temperature	5	EPA approved TMDL
ID17010301PN028_03	Steamboat Creek and West Fork Steamboat Cr. below Comfy Cr.	Upper Coeur d'Alene	6.87	Temperature	5	EPA approved TMDL
ID17010301PN029_03	Cougar Gulch, btw EF Cougar Gulch and NF CDA River	Upper Coeur d'Alene	6.7	Temperature	5	EPA approved TMDL
ID17010301PN030_02a	Little North Fork Coeur d'Alene R tributaries above Iron Cr.	Upper Coeur d'Alene	16.32	Temperature	5	EPA approved TMDL
ID17010301PN030_02c	Little NF Coeur d'Alene R tribs btw Hudlow and Deception Cr	Upper Coeur d'Alene	25.99	Temperature	5	EPA approved TMDL
ID17010301PN030_02d	Little North Fork Coeur d'Alene R tributaries below Skookum	Upper Coeur d'Alene	30.82	Temperature	5	EPA approved TMDL
ID17010301PN030_03	Little NF CDA River - btw Solitaire and Deception Creek	Upper Coeur d'Alene	11.26	Temperature	5	EPA approved TMDL
ID17010301PN030_04	Little North Fork CDA River below Skookum Creek	Upper Coeur d'Alene	24	Temperature	5	EPA approved TMDL
ID17010301PN031_02	Bumblebee Creek and tributaries	Upper Coeur d'Alene	7.94	Temperature	5	EPA approved TMDL
ID17010301PN032_02	Laverne Creek and tributaries	Upper Coeur d'Alene	8.92	Temperature	5	EPA approved TMDL
ID17010301PN033_02	Leiberg Creek and tributaries	Upper Coeur d'Alene	12.96	Temperature	5	EPA approved TMDL
ID17010301PN034_02	Bootjack Creek and tributaries	Upper Coeur d'Alene	5.14	Temperature	5	EPA approved TMDL
ID17010301PN035_02	Iron Creek and tributaries	Upper Coeur d'Alene	13.44	Temperature	5	EPA approved TMDL
ID17010301PN036_02	Burnt Cabin Creek and tributaries	Upper Coeur d'Alene	12.99	Temperature	5	EPA approved TMDL
ID17010301PN037_02	Deception Creek and tributaries	Upper Coeur d'Alene	8.34	Temperature	5	EPA approved TMDL
ID17010301PN038_03	Skookum Creek, lower	Upper Coeur d'Alene	0.91	Temperature	5	EPA approved TMDL
ID17010301PN039_03	Copper Creek - below Homer Creek	Upper Coeur d'Alene	2.55	Temperature	5	EPA approved TMDL
ID17010304PN014_03	Carpenter Creek - source to mouth	St. Joe	1.02	Temperature	5	Original listing was in error

TMDLs and Priorities

The Coeur d'Alene Region has at least one TMDL in development; this TMDL will address impairments in the South Fork Coeur d'Alene River watershed. Additionally, the region has one completed TMDL documents that have been submitted to EPA and await approval: *Priest River Subbasin Assessment and Total Maximum Daily Load 2015 Temperature Addendum* (28 AUs), submitted August of 2015. If this TMDLs included in the document are approved by EPA prior to completion of the final draft of the report, the final draft will reflect the outcomes of the approval.

As the prioritization based on the 2002 Settlement Agreement becomes obsolete, DEQ is moving towards a prioritization scheme based on other water quality management objectives (Table 3). Hydrologic units without Category 5 pollutants are prioritized based on the need to review existing TMDLs.

Table 3. The proposed TMDL and 5-year review prioritization scheme for the Coeur d'Alene Region as included in the draft 2014 Integrated Report

Hydrologic Unit Code	US Geological Survey Cataloging Unit Name	Priority	Year	Category 5 pollutants
17010302	South Fork Coeur d'Alene River	High	2016	Cadmium, Cause Unknown, Lead, Sedimentation/Siltation, Temperature, Zinc
17010305	Upper Spokane River	High	2016	Cadmium, Combined Biota/Habitat Bioassessments, *Escherichia coli*, Lead, Phosphorus (Total), Temperature, Zinc
17010308	Little Spokane River	High	2016	--
17010101	Upper Kootenai River	Medium	2018	--
17010104	Lower Kootenai River	Medium	2018	Combined Biota/Habitat Bioassessments, Temperature, Cadmium, Lead, Zinc, Benthic-Macroinvertebrate Bioassessments, Mercury
17010105	Moyie River	Medium	2018	Temperature
17010214	Pend Oreille Lake	Medium	2018	Dissolved Gas Supersaturation, Temperature, Combined Biota/Habitat Bioassessments, *Escherichia coli*, Mercury, Sedimentation/Siltation, Nitrogen (Total), Phuosphorus (Total), Nutrient/Eutrophication Biological Indicators,
17010216	Pend Oreille River	Medium	2019	Temperature, Dissolved Gas Supersaturation
17010304	St. Joe River	Medium	2019	*Escherichia coli*, Sedimentation/Siltation, Temperature
17010213	Lower Clark Fork River	Low	2019	Temperature, Combined Biota/Habitat Bioassessments
17010215	Priest Lake	Low	2019	Temperature, *Escherichia coli*, Fishes Bioassessments, Combined Biota/Habitat Bioassessments, Fecal coliform
17010301	Upper Coeur d Alene River	Low	2020	Arsenic, Cadmium, Copper, Lead, Zinc
17010303	Coeur d Alene Lake	Low	2020	Cadmium, Cause Unknown, *Escherichia coli*, Lead, Mercury, Sedimentation/Siltation, Zinc
17010306	Hangman Creek	Low	2022	--