

Draft 2014 Integrated Report Summary for the Idaho Falls Region

Subject to change

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

The Idaho Falls Region is proposing 14 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 *Escherichia coli* (9) and temperature (5). The total mileage of newly identified impairments is 141.5.

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

Assessment Unit	AU Name	HUC	Length (mi)	Cause
ID17040214SK013_03	West Camas Creek -source to Targhee National Forest Boundary	Beaver-Camas	6.54	<i>Escherichia coli</i>
ID17040214SK018_04	Beaver Creek - Miners Creek to Rattlesnake Creek	Beaver-Camas	8.93	<i>Escherichia coli</i>
ID17040214SK023_02	Pleasant Valley Creek - source to mouth	Beaver-Camas	23.66	<i>Escherichia coli</i>
ID17040217SK007_04	Little Lost River - Badger Creek to Big Spring Creek	Little Lost	14.16	Temperature
ID17040217SK010_04	Little Lost River - confluence of Summit and Sawmill Creeks	Little Lost	8.56	Temperature
ID17040217SK012_04	Sawmill Creek - Warm Creek to mouth	Little Lost	8.13	Temperature
ID17040217SK019_03	Summit Creek - source to mouth	Little Lost	9.01	<i>Escherichia coli</i>
ID17040217SK022_03	Wet Creek - Squaw Creek to mouth	Little Lost	8.37	Temperature
ID17040217SK024_03	Wet Creek - source to Squaw Creek	Little Lost	5.8	Temperature
ID17040218SK035_02	Star Hope Creek - Lake Creek to mouth	Big Lost	17.1	<i>Escherichia coli</i>
ID17040218SK041_02	Corral Creek - source to mouth	Big Lost	18.04	<i>Escherichia coli</i>
ID17060201SL118_04	Herd Creek-confluence of West Fork Herd Creek and East Pass	Idaho Falls	7.47	<i>Escherichia coli</i>
ID17060204SL011_04	Basin Creek- Confluence of McNutt Creek and Trail Creek to Lake Creek	Teton	1.71	<i>Escherichia coli</i>
ID17060204SL058_04	Agency Creek - source to Cow Creek	Teton	4.01	<i>Escherichia coli</i>

Causes of impairments delisted from Category 4 or Category 5

The Idaho Falls Region is proposing to delist 33 causes of impairment from 27 unique assessment units. The causes proposed for delisting are: Combined Biota/Habitat Bioassessments (14), Cause Unknown (7), Fecal coliform (3), Sedimentation/Siltation (3), Temperature (2), Escherichia coli (1), Fishes Bioassessments (1), Particle Distribution (embeddedness) (1), and Total Phosphorus (1) (Table 2). Delisting causes such as Combined Biota/Habitat Bioassessments, Cause Unknown and Fishes Bioassessments demonstrates diligent work on behalf of the region to identify the true cause of water quality impairment. Four of the delistings are the result of an EPA approved TMDL. The AU delisting rationale 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.

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
ID17040104SK001_02	Snake River- Black Canyon Creek to river mile 856	Palisades	48.36	Combined biota/Habitat assessments	5	Cause of impairment identified
ID17040104SK011_02	1 st and 2 nd order tributaries to Elk Creek and Bear Creek	Palisades	35.64	Combined biota/Habitat assessments	5	Original listing was in error
ID17040104SK013_03	Bear Creek- source to North Fork Bear Creek	Palisades	6.74	Combined biota/Habitat assessments	5	Cause of impairment identified
ID17040104SK020_03	Iowa Creek- source to mouth	Palisades	2.32	Combined biota/Habitat assessments	5	Original listing was in error, available data demonstrates full support of beneficial uses
ID17040104SK024_04	Indian Creek- Idaho/Wyoming border to Palisades Reservoir	Palisades	2.21	Combined biota/Habitat assessments	5	Cause of impairment identified
ID17040104SK028_04	Rainey Creek- source to mouth	Palisades	12.47	Escherichia coli	5	Approved TMDL
ID17040104SK030_02	Black Canyon Creek- source to mouth	Palisades	7.08	Sedimentation/Siltation	5	Original listing was in error, available data demonstrates full support of beneficial uses
ID17040215SK021_02	Crooked Creek- source to mouth	Medicine Lodge	53.09	Combined biota/Habitat assessments	5	Cause of impairment identified
ID17040217SK002_05	Little Lost River- Big Spring Creek to canal	Little Lost	5.66	Combined biota/Habitat assessments	5	Cause of impairment identified
ID17040217SK007_02	Little Lost River- Badger Creek to Big Spring Creek	Little Lost	79.17	Fishes Bioassessments	5	Cause of impairment identified
ID17040217SK007_04	Little Lost River- Badger Creek to Big Spring Creek	Little Lost	14.16	Combined biota/Habitat assessments	5	Cause of impairment identified
ID17060201SL056_02	Meadow Creek- source to mouth	Upper Salmon	4.4	Combined biota/Habitat assessments	5	Original listing was in error, available data demonstrates full support of beneficial uses
ID17060202SL002_02	Pahsimeroi River- Meadow Creek to Patterson Creek	Pahsimeroi	50.69	Combined biota/Habitat assessments	5	Redundancy; Causes of impairment identified during TMDL development

Assessment Unit	AU Name	HUC	Length (mi)	Cause	Category	Rational
ID17060202SL002_02	Pahsimeroi River- Meadow Creek to Patterson Creek	Pahsimeroi	50.69	Fecal Coliform	5	Change in water quality standards from Fecal coliform criteria to <i>E. coli</i> criteria
ID17060202SL002_02	Pahsimeroi River- Meadow Creek to Patterson Creek	Pahsimeroi	50.69	Sedimentation/Siltation	5	Approved TMDL
ID17060202SL002_02	Pahsimeroi River- Meadow Creek to Patterson Creek	Pahsimeroi	50.69	Temperature	5	Approved TMDL
ID17060202SL002_04	Pahsimeroi River- Meadow Creek to Patterson Creek	Pahsimeroi	2.47	Particle Distribution (embeddedness)	4a	Redundant; AU already listed for sediment
ID17060202SL002_05	Pahsimeroi River- Meadow Creek to Patterson Creek	Pahsimeroi	10.21	Cause Unknown	5	Redundant; Temperature was identified as the sole cause of impairment during TMDL development
ID17060202SL002_05	Pahsimeroi River- Meadow Creek to Patterson Creek	Pahsimeroi	10.21	Temperature	5	Approved TMDL
ID17060202SL004_02	North Fork Larson Creek- source to mouth	Pahsimeroi	11.84	Combined biota/Habitat assessments	5	Redundant; sediment was identified as the sole cause of impairment during TMDL development
ID17060202SL006_02	Meadow Creek- source to mouth	Pahsimeroi	28.52	Combined biota/Habitat assessments	5	This AU will go to Category 4c as anthropogenic flow alteration is the sole cause of impairment
ID17060202SL006_02	Meadow Creek- source to mouth	Pahsimeroi	28.52	Fecal Coliform	5	Change in water quality standards from Fecal coliform criteria to <i>E. coli</i> criteria; data do not indicate an <i>E. coli</i> criteria exceedance
ID17060202SL007_04	Pahsimeroi- Furey Lane (T15S, R22E) to Meadow Creek	Pahsimeroi	1.56	Cause unknown	5	During TMDL development anthropogenic flow alteration was identified as the sole cause of impairment
ID17060202SL009_02	Grouse Creek- source to mouth	Pahsimeroi	35.99	Combined biota/Habitat assessments	5	During TMDL development anthropogenic flow alteration was identified as the sole cause of impairment
ID17060202SL010_03	Pahsimeroi River- Goldberg Creek to Big Creek	Pahsimeroi	5.33	Cause Unknown	5	Data do not indicate impairment other than sediment (already in 4a); Restoration activities in the watershed have resulted in improved water quality
ID17060202SL010_04	Pahsimeroi River- Goldberg Creek to Big Creek	Pahsimeroi	6.74	Cause Unknown	5	The existing sediment TMDL(4a) and anthropogenic flow alteration (4c) fully explain the sources of impairment

Assessment Unit	AU Name	HUC	Length (mi)	Cause	Category	Rational
ID17060202SL011_04	Pahsimeroi R-Unnamed Trib (T12N, R23E, Sec22) to Goldberg Ck	Pahsimeroi	2.54	Cause Unknown	5	The existing sediment TMDL(4a) and anthropogenic flow alteration (4c) fully explain the sources of impairment
ID17060202SL017_04	Pahsimeroi R- Burnt Ck to Unnamed Trib (T12N, R23E, Sec22)	Pahsimeroi	10.34	Cause Unknown	5	The existing sediment TMDL(4a) and anthropogenic flow alteration (4c) fully explain the sources of impairment
ID17060202SL026_02	Short Creek- source to mouth	Pahsimeroi	5.83	Combined biota/Habitat bioassessments	5	During TMDL development sediment was identified as the sole cause of impairment
ID17060202SL030_02	Goldburg Creek- source to Donkey Creek	Pahsimeroi	32.1	Fecal Coliform	5	Change in water quality standards from Fecal coliform criteria to <i>E. coli</i> criteria; data do not indicate an <i>E. coli</i> criteria exceedance
ID17060202SL031_03	Big Creek- confluence of North and South Fork Big Creeks	Pahsimeroi	13.56	Cause Unknown	5	This AU will go to Category 4c as anthropogenic flow alteration is the sole cause of impairment
ID17060202SL031_03	Big Creek- confluence of North and South Fork Big Creeks	Pahsimeroi	13.56	Sedimentation/Siltation	5	This AU will go to Category 4c as during TMDL development anthropogenic flow alteration was identified as the sole cause of impairment; restoration activities have reduced sediment loading
ID17060203SL047_02	Salmon River- Iron Creek to Twelvemile Creek	Pahsimeroi	67.56	Phosphorus (Total)	4a	The 2001 TMDL was applied to this AU in error. Data indicates full support of beneficial uses.

TMDLs and Priorities

As of December 15th, 2015 the Idaho Falls Region had many TMDLs in various stages of development. TMDLs submitted to EPA after that date will not be reflected in the draft Integrated Report, but WILL be reflected in the final draft. One TMDL, the *Little Lost River Subbasin Assessment and Total Maximum Daily Load: 2015 Temperature Addendum* (24 AUs), has already been approved by the EPA in the interim. AU status and mileage will be updated after the public comment period is concluded in June (date is tentative). The *Medicine Lodge Creek Subbasin TMDL 2016 Addendum and Five-year Review* has been submitted to the EPA and will be reflected pending approval. Other TMDLs in development in the region are located in the following HUCs: Big Lost, Teton River, Upper Salmon, and Willow Creek.

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 Idaho Falls Region as included in the draft 2014 Integrated Report

Hydrologic Unit Code	US Geological Survey Cataloging Unit Name	Priority	Year	Category 5 pollutants
17060203	Middle Salmon-Panther	High	2016	Cause Unknown, Combined Biota/Habitat Bioassessments, Copper, Sedimentation/Siltation, Temperature
17040104	Palisades Reservoir	High	2016	Cause Unknown, Combined Biota/Habitat Bioassessments, Sedimentation/Siltation
17060204	Lemhi River	High	2016	Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i> , Fecal coliform, Sedimentation/Siltation
17060202	Pahsimeroi River	High	2016	Combined Biota/Habitat Bioassessments
17060201	Upper Salmon River	High	2016	Cause Unknown, Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i> , Sedimentation/Siltation, Temperature
17040204	Teton River	High	2016	Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i> , Fecal coliform, Sedimentation/Siltation
17040202	Upper Henrys Fork River	High	2016	Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i>
17040203	Lower Henrys Fork River	High	2016	Combined Biota/Habitat Bioassessments
17040205	Willow Creek	Medium	2018	Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i> , Sedimentation/Siltation, Temperature
17040201	Idaho Falls	Low	2020	Combined Biota/Habitat Bioassessments
17040214	Beaver Creek/Camas Creek	Low	2020	Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i> , Fecal coliform, Sedimentation/Siltation
17040215	Medicine Lodge Creek	Low	2020	Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i> , Fecal coliform, Sedimentation/Siltation
17040217	Little Lost River	Low	2022	Cause Unknown, Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i> , Sedimentation/Siltation, Temperature
17040218	Big Lost River	Low	2022	Combined Biota/Habitat Bioassessments, <i>Escherichia coli</i>
17040216	Birch Creek	Low	2022	--