



Oregon's 2012 Integrated Report - Summary of New 303(d) Listings, Delistings, and Other Significant Changes

1. 2012 Integrated Report

DEQ submitted Oregon's 2012 Integrated Report and Section 303(d) List of Category 5 Water Quality Limited Waters Needing a TMDL to EPA in October 2014. The complete 2012 Integrated Report contains 19,421 assessment records. A link to the database report in a searchable database application is available on DEQ's website at:

<http://www.oregon.gov/deq/WQ/Pages/Assessment/2012report.aspx>

2. Category 5 303(d) listings

Oregon's Section 303(d) List of Category 5 Water Quality Limited Waters Needing a TMDL contains a total of 1,910 assessment records.

With the 2012 Integrated Report, DEQ is adding 142 water segments to Oregon's 303(d) list. The new 303(d) listings include the following:

Biocriteria - 27

Dissolved oxygen - 27

Mercury - 6 based on Oregon Health Authority fish consumption advisories; 14 based on mercury levels in fish tissue; 2 based on mercury levels in water (22 total)

Toxic substances - 1 ammonia; 6 arsenic; 1 chromium; 12 copper; 2 DDE 4,4; 1 dieldrin; 1 endosulfan; 1 endrin aldehyde; 10 iron; 25 lead; 2 silver; 1 tetrachloroethylene; 1 thallium; 2 zinc (66 total)

3. 2012 De- listings

With the 2012 Integrated Report, DEQ is delisting 72 water segments that were previously listed as Category 5: Water quality limited, 303(d) list. DEQ's rationale and information pertinent to each delisting are provided in comments and supporting data with each delisted record. The delistings include the following:

Delisted, Criteria change or use clarification - 12 beryllium (criteria withdrawn), 5 dissolved oxygen including 4 in Tualatin subbasin with no spawning use, 28 manganese (criteria withdrawn) (45 total)

Delisted, Data show criteria met - 1 dissolved oxygen

Delisted, Listing error - 3 biological criteria, 2 chlorophyll a, 8 dissolved oxygen, 1 E. coli, 1 manganese, 3 pH (19 total)

Delisted, Other control measures in place - 1 Category 4b demonstration for McCormick & Baxter Superfund Site cleanup for pentachlorophenol

Delisted, Revised criteria or uses met - 3 arsenic, 3 iron (6 total)

4. Segment changes to Category 5 303(d) listings

With the 2012 Integrated Report, DEQ is modifying the segments for 19 previously listed Category 5: 303(d) listings without changing the status. DEQ's rationale and information for the modification are provided in comments and supporting data for each individual listing.

Most of the segment modifications are necessary to reconcile or correct segment information for 303(d) listings added by EPA in 2010 for dissolved oxygen, or to correct stream identifications or station locations. In the case of the Long Tom River (Record 24597), the segment modification reflects application of dissolved oxygen spawning criteria only where salmonid (trout) fish use is designated. In the case of the Columbia River listing for PCBs (Record 9284), the modification reflects current fish consumption advisory location information. The changes are tracked in the 2012 Integrated Report as segment modification assessment actions. The 303(d) listings with segment modifications include:

- Biocriteria - 1
- Chlorophyll a - 1
- Dissolved oxygen - 12 (includes Long Tom River (Record 24597) segment modification where dissolved oxygen spawning criteria apply for salmonid (trout) fish use not including waters designated for cool water use.)
- Fecal coliform – 1
- Mercury - 2
- Nitrates - 1
- Polychlorinated Biphenyls (PCBs) - 1 (Columbia River listing for PCBs (Record 9284) modified to reflect current fish consumption advisory location information.)

5. Additions to Category 4A: Water quality limited, TMDL approved

With the 2012 Integrated Report, DEQ is identifying 86 other waters that are water quality limited but do not need TMDLs because TMDLs are approved and in place to address the pollutants causing the impairment (Category 4a).

These waters were identified through DEQ's review of data for the 2012 Integrated Report, review of EPA's conclusions from data reviewed for additions to Oregon's 2010 303(d) list, and during development of TMDLs previously approved in 2004 for the Snake River. Supporting data used to identify the impaired waters and information about the approved TMDLs addressing the pollutants are provided with each record. The changes are tracked in the 2012 Integrated Report as 2012 assessment actions to add or modify the water status to Category 4a. These waters include:

- Chlorpyrifos - 1 (DEQ data review)
- Chromium - 1 (DEQ data review)
- DDE 4,4 – 1 (EPA data review)
- Dissolved oxygen – 23 (DEQ data review)
- E. coli – 47 (EPA data review)
- Fecal coliform – 1 (EPA data review)
- Malathion - 1 (DEQ data review)
- Nitrates - 1 (EPA data review)

pH- 1 (EPA data review)

Chlorophyll a, DDD, DDE, DDT, Dieldrin, Dissolved Oxygen, Phosphorus,
Sedimentation, Total Dissolved Gas – 9 Snake River TMDLs

6. Corrections to Assessments for flow and habitat modifications

With the 2012 Integrated Report, DEQ is correcting the status for waters assessed in 1998 and 2002 for flow and habitat modifications. In Oregon’s 2002 Integrated Report, DEQ incorporated guidance from EPA that TMDLs were not required to address water quality limitations due to flow and habitat modification. DEQ assigned a status of “Water quality limited not needing a TMDL” to all assessments for flow and habitat modification in waters throughout the state. However, only 252 waters had been identified as “Water Quality Limited” on the preceding 1998 303(d) list because of flow or habitat modification. The 2002 status assignment incorrectly inflated the number of Oregon waters identified as water quality limited. Current EPA guidance uses Category 4C to classify these waters.

With the 2012 Integrated Report, DEQ is correcting the errors by modifying the status for flow and modification records to reflect the 1998 assessment conclusions. Records for 258 waters corresponding to those identified as water quality limited for flow or habitat modification in 1998 and delisted in 2002 retain the Category 4C status. These include records that updated waters that were partially on Tribal lands. Assessments for other waters are corrected to the appropriate 1998 status as summarized below. The changes to the assessments for flow and habitat modification are tracked in the 2012 Integrated Report as status modification assessment actions.

Status Category	Number Flow Modification	Number Habitat Modification	Total
Category 2: Attaining some criteria/uses	1	3	4
Category 3: Insufficient data	658	605	1,263
Category 3B: Insufficient data, potential concern	2	16	18
Category 4C: Water quality limited, not a pollutant	56	202	258
Total			1,543

7. 2012 Assessments

The total number of assessments in the 2012 Integrated Report with new or updated information for assessment year 2012 is 3,191 records.