



Alaska Department of Environmental Conservation Fact Sheet 2022 Draft Integrated Report

The Alaska Department of Environmental Conservation (DEC) is seeking written comments on the proposed 2022 Integrated Water Quality Monitoring and Assessment Report (Integrated Report). The deadline to submit written comments is February 6, 2022, at 11:59 PM.

Supporting documents, public meeting information, and the full list of waters can be found at the DEC Integrated Report website. A public meeting will be held virtually on January 18, 2022, from 4-6:00pm, join from the meeting link <https://tinyurl.com/ADEC-IR>, or call 907-202-7104, access code 754 266 123#.

Due to public health and safety concerns associated with the COVID-19 pandemic, there will not be in-person attendance to the meeting.

Comments relevant to the draft 2022 Integrated Report may be submitted electronically via DEC's public notice site at <https://dec.alaska.gov/commish/public-notices/>. If you are unable to submit comments via the DEC public notice website, you may submit them by mail to Amber Bethe at 555 Cordova St., Anchorage, AK 99501, or e-mail to amber.bethe@alaska.gov. Comments must be received by close of public comments period at 11:59 p.m. Alaska time on February 6, 2022.

What is the Integrated Report?

Every two years, DEC is required to report on the condition of Alaska's waters, in accordance with the federal Clean Water Act. The Integrated Report categorizes waterbodies in Alaska to meet the reporting requirements for the Section 305(b) report and Section 303(d) list of impaired waters. The Integrated Report helps the State prioritize waters for data gathering, watershed protection, and restoration of impaired waters.

Since 2019 the report has been submitted electronically as a list of waters and their various categories. Additional information on individual waters in the Integrated Report is available by contacting DEC, or from the EPA How's My Waterway website <https://mywaterway.epa.gov/state/AK/water-quality-overview>.

Submit comments by 11:59 PM
February 6, 2022 electronically at
[https://dec.alaska.gov/commish/
public-notices/](https://dec.alaska.gov/commish/public-notices/)

DEC Integrated Report website:
[https://dec.alaska.gov/water/wat
er-quality/integrated-report/](https://dec.alaska.gov/water/water-quality/integrated-report/)

What are the Integrated Report categories?

There are five categories to which a waterbody can be assigned:

Categories 1 and 2	Waters for which there is enough information to determine that water quality standards are attained for all or some of their designated uses.
Category 3	Waters for which there is not enough information to determine their status.
Category 4	Waters that are impaired, but have one of several different types of waterbody recovery plans.
Category 5	Waters that are impaired and do not yet have waterbody recovery plans. Also known as 303(d) list impaired waters.

Impairment means that a waterbody is polluted, which is defined as persistently exceeding state water quality standards (18 AAC 70). This is usually determined after two or more years of water quality monitoring. DEC makes impairment decisions using publically available listing methodologies. EPA has approval authority over waters moving into and out of Category 5, also known as the impaired waters list. Waters in Category 4 are also impaired but have an EPA-approved waterbody recovery plan.

What is an Assessment Unit

An assessment unit is the portion of a waterbody from which data is analyzed to determine if water quality standards are being met. Most assessment units are broken down at Hydrologic Unit Code (HUC) 10 boundaries. A large waterbody such as a Yukon River has many assessment units, while smaller waterbodies are contained within one unit. Some assessment units have different boundaries, for example if there is an impacted area smaller than the Hydrologic Unit Code 10, or if they don't apply well like in marine areas.

What changes are being proposed in the 2022 Integrated Report?

Appendices A and B show waterbody assessment units which had data and/or other information provided for evaluation in the 2022 Integrated Report. DEC requires a minimum level of data quality and quantity to conduct analysis. Data minimums are specified in the parameter specific listing methodology or Consolidated Assessment Listing Methodology. While all waterbody assessment units with any amount of data provided are included in the Integrated Report, only ones meeting data minimums undergo full analysis.

Waterbody assessment units stay in the same category from Integrated Report to the next unless there is new data to indicate a change. Waterbody assessment units where data minimums are not met will automatically be placed in Category 3.

- Appendix A shows waterbody assessment units which were evaluated for the 2022 Integrated Report and either have a proposed category change or are a new inclusion in the Integrated Report. Changes proposed for the 2022 Integrated Report include the following:
 - Impairments: Two waterbody assessment units are proposed as impaired in Category 5 for pathogens (Rotary Park Beach and Mtn Pt Surprise Beach) and one is proposed as impaired for lead in Category 4b (Tributary Creek).
 - Attainments: One waterbody assessment unit is proposed to move from impaired in Category 4B to attaining in Category 2 for total aromatic hydrocarbons (Little Susitna

River). Over 25 waterbody assessment units are proposed for placement as attaining in Category 2, either from Category 3 or previously not included in the Integrated Report.

- Over 200 new waterbody assessment units are proposed for Category 3. DEC received new data or information, but it was not enough to determine their status.
- Appendix B shows the waterbody assessment units evaluated for the 2022 Integrated Report where no changes are proposed.
- Appendix C shows the complete list of impaired waters. This includes impairments from previous Integrated Report cycles as well as new impairments proposed in the 2022 Integrated Report.

Where can I find more information online on the health of Alaska's Waters?

- DEC Integrated Report web page; Integrated Reports from previous years and listing methodologies can be found here <http://dec.alaska.gov/water/water-quality/integrated-report>
- Summary data on Alaska's waters in Integrated Reports from previous years can be found on EPA's ATTAINS here https://ofmpub.epa.gov/waters10/attains_state.control?p_state=AK

Appendix A

Proposed Changes for the 2022 Integrated Report

Category 5

Waterbody Name (Assessment Unit ID)	Parameter	Previous Category (2020 Integrated Report)	Proposed Category (2022 Integrated Report)
Rotary Park Beach (AK_B_1010204_002)	Fecal coliform	3	5
Mtn Pt Surprise Beach (AK_B_1010208_002)	Enterococcus, fecal coliform	3	5

Category 4

Waterbody Name (Assessment Unit ID)	Parameter	Previous Category (2020 Integrated Report)	Proposed Category (2022 Integrated Report)
Tributary Creek (AK_R_1020408_006)	Lead	3	4A

Category 3

Waterbody Name (Assessment Unit ID)	Parameter	Previous Category (2020 Integrated Report)	Proposed Category (2022 Integrated Report)
Unuk River (AK_R_1010504_005)	Mercury	2	3
Tongass Narrows 1 (AK_M_1010204_006)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Grant Creek (AK_R_9020405_009)	Arsenic, barium, cadmium, chromium, copper, iron, lead, nickel, pH, selenium, silver, temperature, total dissolved solids, zinc	None	3
South Twin Lake (AK_L_1030106_004)	Fecal coliform	None	3
North Twin Lake (AK_L_1030106_005)	Fecal coliform	None	3
Hood/Spenard Lake (AK_L_2040108_063)	Escherichia coli, fecal coliform	None	3

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Whitefish Lake (AK_L_3050204_001)	pH	None	3
Chena Lake (AK_L_8030609_003)	Dissolved oxygen, pH, temperature, turbidity	None	3
Birch Lake (AK_L_8030709_001)	Dissolved oxygen, escherichia coli, fecal coliform, pH, temperature, turbidity	None	3
Bathing Beauty Pond (AK_L_8030710_001)	Dissolved oxygen, pH, temperature, turbidity	None	3
Tongass Narrows, Refuge Cove (AK_M_1010204_005)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Ward Cove (AK_M_1010204_008)	Ammonia, copper, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Tongass Narrows 2 (AK_M_1010204_010)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Inside Passage (AK_M_1010210_003)	Dissolved oxygen, enterococcus, fecal coliform, pH, temperature	None	3
Fort Wrangell (AK_M_1020902_011)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Stikine Strait (AK_M_1020903_010)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Wrangell Harbor (AK_M_1020904_004)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Point Highfield (AK_M_1020904_005)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Wrangell Narrows (AK_M_1021010_005)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Petersburg Harbor (AK_M_1021010_006)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Prolewy Rocks (AK_M_1021010_007)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
East Port Frederick (AK_M_1021109_010)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
West Port Frederick (AK_M_1021109_011)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3

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Crescent Bay (AK_M_1021211_005)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Sitka Harbor (AK_M_1021212_013)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Sitka Channel (AK_M_1021212_017)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Harbor Point (AK_M_1021212_018)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Gastineau Channel (AK_M_1030106_002)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Gastineau Channel (Harris and Aurora Harbors) (AK_M_1030106_003)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Auke Bay (AK_M_1030107_002)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Lynn Canal (AK_M_1030108_001)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Taiya Inlet (AK_M_1030305_002)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Skagway Harbor Area (AK_M_1030305_004)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Portage Cove (AK_M_1030308_005)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Tanani Bay (AK_M_1030308_007)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Stephens Passage (AK_M_1050001_001)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Frederick Sound (AK_M_1050004_001)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Icy Strait (AK_M_1050006_003)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3

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Chatham Strait (AK_M_1050007_001)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Sumner Strait (AK_M_1050008_001)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Clarence Strait (AK_M_1050009_001)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Port Valdez (AK_M_2020111_005)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Valdez Small Boat Harbor (AK_M_2020111_011)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Passage Canal (Whittier Harbor) (AK_M_2020120_011)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Seward Harbor/Upper Resurrection Bay (AK_M_2020205_003)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Homer Harbor (AK_M_2030108_006)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Knik Arm (AK_M_2040108_003)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Anchorage Harbor (AK_M_2040108_006)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Mill Bay (AK_M_2070114_018)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Kodiak Harbor (AK_M_2070115_007)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Saint Paul Harbor (AK_M_2070115_012)	Ammonia, copper, dissolved oxygen, enterococcus, fecal coliform, nickel, pH, temperature, zinc	None	3
Dutch Harbor (AK_M_3010208_005)	Enterococcus, fecal coliform	None	3
Iliuliuk Bay (AK_M_3010208_008)	Enterococcus, fecal coliform	None	3
Iliuliuk Harbor (AK_M_3010208_009)	Enterococcus, fecal coliform	None	3
Dutch Harbor (AK_M_3010208_023)	Enterococcus, fecal coliform	None	3

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Nome Harbor (AK_M_5010420_003)	Enterococcus, fecal coliform	None	3
Carlanna Creek (AK_R_1010204_001)	Alkalinity, ammonia, cadmium, chromium, copper, dissolved oxygen, Escherichia coli, fecal coliform, lead, nitrate/nitrite, pH, turbidity, zinc	None	3
Hoadley Creek (AK_R_1010204_002)	Alkalinity, ammonia, cadmium, chromium, copper, dissolved oxygen, Escherichia coli, fecal coliform, lead, nitrate/nitrite, pH, turbidity, zinc	None	3
Ketchikan Creek (AK_R_1010204_003)	Alkalinity, ammonia, cadmium, chromium, copper, dissolved oxygen, Escherichia coli, fecal coliform, lead, nitrate/nitrite, pH, turbidity, zinc	None	3
Unuk River (AK_R_1010504_005)	Chloride, nitrate, nitrite	None	3
Salmon River (AK_R_1010601_009)	Alkalinity, aluminum, ammonia, barium, beryllium, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lead, lithium, manganese, mercury, molybdenum, nickel, nitrate, nitrate/nitrite, nitrite, pH, selenium, silver, total dissolved solids, zinc	None	3
Tributary Creek (AK_R_1020408_006)	Barium	None	3
Stikine River (AK_R_1020709_011)	Alkalinity, aluminum, ammonia, barium, chloride, chromium, cobalt, dissolved oxygen, iron, lead, lithium, manganese, mercury, molybdenum, nitrate, nitrate/nitrite, nitrite, silver, zinc	None	3
Indian River (AK_R_1021211_002)	Turbidity	None	3
Jordan Creek (AK_R_1030106-014)	Escherichia coli, fecal coliform, pH, turbidity	None	3
Salmon River (AK_R_1030214_001)	Turbidity	None	3
Taiya River (AK_R_1030301_003)	Turbidity	None	3
Taku River (AK_R_1030407_006)	Barium, beryllium, chromium, cobalt, lithium, molybdenum, nitrate, nitrite	None	3
Alsek River (AK_R_1040422_001)	Alkalinity, aluminum, ammonia, barium, beryllium, chloride, chromium, cobalt, copper,	None	3

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	iron, lead, lithium, manganese, mercury, molybdenum, nitrate, nitrate/nitrite, nitrite, silver, total dissolved solids, zinc		
Caribou Creek (AK_R_2010102_001)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Rock Creek (AK_R_2010102_004)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Rufus Creek (AK_R_2010104_009)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Unnamed creek (on Windy Ridge) (AK_R_2010118_001)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Twelvemile Creek (AK_R_2010309_002)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Unnamed creek (near Tana Knob) (AK_R_2010311_004)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Unnamed creek (Gates Glacier tributary) (AK_R_2010317_015)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Unnamed creek (near Lake Creek) (AK_R_2010318_017)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Crystal Creek (AK_R_2010319_002)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Lakina River (AK_R_2010319_005)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Chokosna River (AK_R_2010320_001)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Gilahina River (AK_R_2010320_002)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Unnamed Creek (Tebay Lake tributary) (AK_R_2010321_007)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Kennicott River (AK_R_2010322_008)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Strelina Creek (AK_R_2010322_012)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Long Lake Creek (AK_R_2010323_009)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Unnamed Creek (Little Bremner River tributary) (AK_R_2010409_010)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
McHugh Creek (AK_R_2030207_012)	Escherichia coli, fecal coliform	None	3

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Rainbow Creek (AK_R_2030207_018)	Escherichia coli, fecal coliform	None	3
Soldotna Creek (AK_R_2030218_007)	Dissolved oxygen, escherichia coli, fecal coliform, pH, temperature, turbidity	None	3
Peters Creek (AK_R_2040102_002)	Escherichia coli, fecal coliform	None	3
Eagle River (AK_R_2040103_003_004)	Escherichia coli, fecal coliform	None	3
Ship Creek (AK_R_2040104_002_001)	Dissolved oxygen, escherichia coli, fecal coliform, pH, temperature, turbidity	None	3
Ship Creek (AK_R_2040104_002_002)	Dissolved oxygen, escherichia coli, fecal coliform, pH, temperature, turbidity	None	3
Little Campbell Creek (AK_R_2040106_004)	Escherichia coli, temperature, turbidity	None	3
Craig Creek (AK_R_2040106_005)	Escherichia coli, fecal coliform	None	3
Potter Creek (AK_R_2040107_004)	Escherichia coli, fecal coliform	None	3
Rabbit Creek (AK_R_2040107_005)	Escherichia coli, fecal coliform	None	3
Caribou Creek (AK_R_2040201_005)	pH, temperature, turbidity	None	3
Hicks Creek (AK_R_2040203_007)	pH, temperature, turbidity	None	3
Purinton Creek (AK_R_2040204_013)	pH, temperature, turbidity	None	3
California Creek (AK_R_2040205_003)	pH, temperature, turbidity	None	3
Chickaloon River (AK_R_2040205_004)	pH, temperature, turbidity	None	3
Kings River (AK_R_2040206_001)	pH, temperature, turbidity	None	3
Buffalo Creek (AK_R_2040207_001)	pH, temperature, turbidity	None	3
Eska Creek (AK_R_2040207_005)	pH, temperature, turbidity	None	3
Granite Creek (AK_R_2040207_008)	pH, temperature, turbidity	None	3
Moose Creek (AK_R_2040207_014)	pH, temperature, turbidity	None	3
Wolverine Creek (AK_R_2040207_016)	pH, temperature, turbidity	None	3
Kleinschmidt Spring (AK_R_2040207_017)	pH, temperature, turbidity	None	3
Wolverine Lake Outlet (AK_R_2040207_017)	pH, temperature, turbidity	None	3

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Moose Creek (AK_R_2040207_018)	pH, temperature, turbidity	None	3
Unnamed Creek (Ruth Glacier tributary) (AK_R_2050208_003)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Hidden Creek (AK_R_2050417_001)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Kahiltna River (AK_R_2050418_038)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Little Susitna River (AK_R_2050512_016_005)	Dissolved oxygen, escherichia coli, fecal coliform, pH, temperature, turbidity	None	3
Little Susitna River (AK_R_2050512_016_009)	Dissolved oxygen, escherichia coli, fecal coliform, pH, temperature, turbidity	None	3
Leachate Creek (AK_R_2070114_006)	Ammonia, cobalt, iron, manganese, nickel, nitrate/nitrite	None	3
Kuskokwim River (AK_R_3050101_006_001)	Antimony, arsenic, cadmium, dissolved oxygen, mercury, nickel, pH, temperature, total dissolved solids	None	3
George River (AK_R_3050107_005)	Antimony, arsenic, cadmium, dissolved oxygen, lead, mercury, nickel, pH, temperature, total dissolved solids	None	3
Crooked Creek (AK_R_3050108_005)	Temperature	None	3
Aniak River (AK_R_3050123_001)	Dissolved oxygen, pH, temperature	None	3
Kuskokwim River (AK_R_3050124_006)	pH	None	3
Aniak Slough (AK_R_3050205_001)	Dissolved oxygen, pH, temperature	None	3
Kuskokwim River (AK_R_3050205_003)	Dissolved oxygen, pH, temperature, turbidity	None	3
Willow Creek (AK_R_7040216_008)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Wade Creek (AK_R_7050219_030)	Arsenic, barium, cadmium, chromium, copper, iron, lead, nickel, pH, selenium, silver, temperature, total dissolved solids, zinc	None	3
Seventymile River (AK_R_7050506_013)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Yukon River (AK_R_7050513_010)	Alkalinity, aluminum, barium, boron, chloride, copper, dissolved oxygen, iron, manganese, nitrate, temperature, turbidity, zinc	None	3
Copper Creek (AK_R_7050612_001)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3

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Unnamed creek (Charley River tributary) (AK_R_7050613_004)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Unnamed creek (Crescent Creek tributary) (AK_R_7050614_005)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Unnamed Creek (Yukon River tributary) (AK_R_7050617_015)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Webber Creek (AK_R_7050618_011)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Woodchopper Creek (AK_R_7050618_012)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Yukon River (AK_R_7050620_004)	Alkalinity, aluminum, barium, boron, chloride, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Yukon River (AK_R_7050621_003)	Alkalinity, aluminum, barium, boron, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Draanjik River (AK_R_8010626_001)	Alkalinity, aluminum, barium, boron, chloride, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, vanadium, zinc	None	3
Porcupine River (AK_R_8010822_008)	Alkalinity, aluminum, barium, boron, chloride, cobalt, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Chandalar River (AK_R_8020409_005)	Alkalinity, aluminum, arsenic, barium, boron, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, manganese, molybdenum, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Chathenda Creek (AK_R_8030103_007)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Boyden Creek (AK_R_8030112_001)	Alkalinity, ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Chalk Creek (AK_R_8030112_002)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Jack Creek (AK_R_8030112_003)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Jack Creek (AK_R_8030112_003)	Chloride, nitrate/nitrite, sulfate, turbidity	None	3
Little Jack Creek (AK_R_8030112_004)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3

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Lost Creek (AK_R_8030112_005)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Trail Creek (AK_R_8030112_007)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Paco Creek (AK_R_8030113_011)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Nabesna River (AK_R_8030114_004)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Tanana River (AK_R_8030204_004)	Alkalinity, aluminum, barium, boron, chloride, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, temperature, turbidity, vanadium, zinc	None	3
Clear Water Creek (AK_R_8030313_002)	Alkalinity, chloride, dissolved oxygen, nitrate, pH, temperature, turbidity	None	3
Salcha River (AK_R_8030508_008)	Ammonia, chloride, nitrate, pH, temperature	None	3
Chena River (AK_R_8030606_001)	Dissolved oxygen, escherichia coli, fecal coliform, pH, temperature, turbidity	None	3
Chena River (AK_R_8030609_001)	Dissolved oxygen, escherichia coli, fecal coliform, pH, temperature, turbidity	None	3
Chena River (AK_R_8030609_003)	Alkalinity, barium, chloride, dissolved oxygen, iron, manganese, nitrate, temperature, turbidity	None	3
Chena Slough (AK_R_8030609_004_001)	Escherichia coli, fecal coliform	None	3
Tanana River (AK_R_8030710_009)	Alkalinity, barium, chloride, copper, dissolved oxygen, iron, manganese, nickel, nitrate, pH, temperature, turbidity, zinc	None	3
Tanana River (AK_R_8030713_008)	Alkalinity, aluminum, arsenic, barium, boron, chloride, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, temperature, turbidity, vanadium, zinc	None	3
Tanana River (AK_R_8030722_002)	Chloride, dissolved oxygen, temperature	None	3
Rock Creek (AK_R_8030807_024)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Savage River (AK_R_8030810_005)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Igloo Creek (AK_R_8030811_003)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Sanctuary River (AK_R_8030811_004)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Tattler Creek (AK_R_8030811_006)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3

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Hogan Creek (AK_R_8030811_007)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Tolovana River (AK_R_8030903_003)	Alkalinity, aluminum, barium, boron, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Caribou Creek (AK_R_8030906_008)	Ammonia, temperature	None	3
Little Poker Creek (AK_R_8030906_028)	Temperature	None	3
Poker Creek (AK_R_8030906_039)	Ammonia, temperature	None	3
Unnamed Creek (Caribou Creek tributary) (AK_R_8030906_052)	Ammonia, temperature	None	3
Unnamed Creek (Caribou Creek tributary) (AK_R_8030906_053)	Ammonia, temperature	None	3
Unnamed Creek (to Poker Creek) (AK_R_8030906_054)	Ammonia, temperature	None	3
Unnamed creek (Gorge Creek tributary) (AK_R_8031014_020)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Unnamed creek (McKinley River tributary 1) (AK_R_8031014_021)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Eureka Creek (AK_R_8031018_005)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Friday Creek (AK_R_8031018_006)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
Lake Creek (AK_R_8031018_009)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Moose Creek (AK_R_8031018_010)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Unanmed Creek (Wonder Lake inflow) (AK_R_8031018_019)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Stony Creek (AK_R_8031024_010)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Travertine Stream (AK_R_8031024_011)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Little Stony Creek (AK_R_8031024_012)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3

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Unnamed Creek (Stony Creek tributary) (AK_R_8031024_013)	Alkalinity, ammonia, chloride, dissolved oxygen, nitrate/nitrite, pH, sulfate, turbidity	None	3
East Fork Toklat River (AK_R_8031025_001)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Unnamed creek (East Fork Toklat River tributary) (AK_R_8031025_003)	Ammonia, chloride, nitrate/nitrite, sulfate, turbidity	None	3
Eureka Creek (AK_R_8031106_014)	Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, pH, selenium, silver, temperature, thallium, turbidity, vanadium, zinc	None	3
American Creek (AK_R_8031116_001)	Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, pH, selenium, silver, temperature, thallium, turbidity, vanadium, zinc	None	3
Boulder Creek (AK_R_8031116_004)	Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, pH, selenium, silver, temperature, thallium, turbidity, vanadium, zinc	None	3
Fish Creek (AK_R_8031116_007)	Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, pH, selenium, silver, temperature, thallium, turbidity, vanadium, zinc	None	3
Deadwood Creek (AK_R_8040108_008)	Aluminum, antimony, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, temperature, thallium, vanadium, zinc	None	3
Ketchem Creek (AK_R_8040108_019_001)	Aluminum, antimony, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, temperature, thallium, vanadium, zinc	None	3
Mammoth Creek (AK_R_8040108_022)	Aluminum, antimony, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, temperature, thallium, vanadium, zinc	None	3

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Portage Creek (AK_R_8040108_028)	Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, pH, selenium, silver, temperature, thallium, turbidity, vanadium, zinc	None	3
Yukon River (AK_R_8040405_011)	Alkalinity, aluminum, arsenic, barium, boron, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, manganese, molybdenum, nickel, nitrate, temperature, vanadium, zinc	None	3
Hess Creek (AK_R_8040408_003)	Alkalinity, aluminum, arsenic, barium, boron, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, temperature, vanadium, zinc	None	3
Hunter Creek (AK_R_8040411_013)	Arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, nickel, pH, selenium, silver, temperature, total dissolved solids, zinc	None	3
Minook Creek (AK_R_8040411_021)	Arsenic, barium, cadmium, chromium, copper, iron, lead, nickel, pH, selenium, silver, temperature, total dissolved solids, zinc	None	3
Bear Creek (AK_R_8040417_001)	Arsenic, barium, cadmium, chromium, copper, iron, lead, nickel, pH, selenium, silver, temperature, total dissolved solids, zinc	None	3
Morelook Creek (AK_R_8040417_009)	Arsenic, barium, cadmium, chromium, copper, iron, lead, nickel, pH, selenium, silver, temperature, total dissolved solids, zinc	None	3
Yukon River (AK_R_8040418_005)	Alkalinity, aluminum, barium, boron, cadmium, chloride, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, turbidity, vanadium, zinc	None	3
Big Indian River (AK_R_9010804_005)	Alkalinity, aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, dissolved oxygen, iron, lead, manganese, mercury, molybdenum, nickel, nitrate, pH, selenium, silver, temperature, thallium, vanadium, zinc	None	3
Huntington Creek (AK_R_9010806_005)	Alkalinity, aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, dissolved oxygen, iron, lead, manganese, mercury, molybdenum, nickel, nitrate, pH, selenium, silver, temperature, thallium, vanadium, zinc	None	3
Hogatza River (AK_R_9010814_003)	Alkalinity, aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, dissolved oxygen, iron, lead, manganese, mercury, molybdenum, nickel, nitrate, pH,	None	3

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	selenium, silver, temperature, thallium, vanadium, zinc		
Koyukuk River (AK_R_9010816_005)	Alkalinity, chloride, dissolved oxygen, nitrate, pH, temperature	None	3
Koyukuk River (AK_R_9010820_004)	Alkalinity, barium, chloride, copper, dissolved oxygen, iron, manganese, nickel, nitrate, pH, temperature, zinc	None	3
Koyukuk River (AK_R_9010913_004)	Alkalinity, barium, chloride, copper, dissolved oxygen, iron, manganese, nickel, nitrate, pH, temperature, zinc	None	3
Tozitna River (AK_R_9020107_008)	pH, temperature, total dissolved solids	None	3
Long Creek (AK_R_9020220_013)	Arsenic, barium, cadmium, chromium, cobalt, copper, iron, lead, nickel, pH, selenium, silver, temperature, total dissolved solids	None	3
Long Creek (AK_R_9020220_014)	Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, dissolved oxygen, iron, lead, manganese, mercury, molybdenum, nickel, pH, selenium, silver, temperature, thallium, vanadium, zinc	None	3
Flamingo Spring (AK_R_9020220_015)	Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, dissolved oxygen, iron, lead, manganese, mercury, molybdenum, nickel, pH, selenium, silver, temperature, thallium, vanadium, zinc	None	3
Flint Creek (AK_R_9020224_007)	Arsenic, barium, cadmium, chromium, copper, iron, lead, nickel, pH, selenium, silver, temperature, total dissolved solids, zinc	None	3
Yukon River (AK_R_9020401_007)	Alkalinity, aluminum, arsenic, barium, boron, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, manganese, molybdenum, nickel, nitrate, pH, temperature, turbidity, vanadium, zinc	None	3
Yukon River (AK_R_9020506_009)	Alkalinity, barium, boron, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Yukon River (AK_R_9020511_017)	Alkalinity, aluminum, barium, boron, cadmium, chloride, chromium, cobalt, copper, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3

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Yukon River (AK_R_9020513_011)	Alkalinity, barium, chloride, copper, iron, manganese, nickel, nitrate, pH, temperature, zinc	None	3
Anvik River (AK_R_9030114_001)	Alkalinity, aluminum, barium, boron, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Yukon River (AK_R_9030115_005)	Alkalinity, aluminum, barium, boron, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Yukon River (AK_R_9030411_006)	Alkalinity, aluminum, barium, boron, cadmium, chloride, copper, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
North Fork Andreafski River (AK_R_9030506_001)	Aluminum, boron, cadmium, chromium, cobalt, copper, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium	None	3
Yukon River (AK_R_9030512_004)	Aluminum, arsenic, boron, chromium, cobalt, copper, iron, lithium, manganese, nickel, pH, temperature, vanadium, zinc	None	3
Yukon River (AK_R_9030512_009)	Aluminum, barium, boron, cadmium, chromium, cobalt, copper, iron, lithium, manganese, nickel, nitrate, temperature, vanadium, zinc	None	3
Yukon River (AK_R_9030519_024)	Alkalinity, aluminum, barium, boron, chloride, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Yukon River (AK_R_9030519_028)	Alkalinity, aluminum, barium, boron, cadmium, chloride, chromium, cobalt, copper, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3
Ninglivvak River (AK_R_9030529_004)	Alkalinity, aluminum, barium, boron, chloride, dissolved oxygen, iron, lithium, manganese, nickel, nitrate, pH, temperature, vanadium, zinc	None	3

Category 2

Waterbody Name (Assessment Unit ID)	Parameter(s)	Previous Category (2020 Integrated Report)	Proposed Category (2022 Integrated Report)
Little Susitna River (AK_R_2050512_016_003)	Total aromatic hydrocarbons	4B	2
Unuk River (AK_R_1010504_005)	Arsenic, copper, pH	3	2
Taku River (AK_R_1030407_006)	Arsenic, cadmium, chloride, copper, lead, mercury, nickel, pH, selenium, zinc	3	2
Tanana River (AK_R_8030204_004)	pH	3	2
Salmon River (AK_R_1010601_009)	Arsenic	None	2
Tributary Creek (AK_R_1020408_006)	Alkalinity, arsenic, cadmium, chromium, copper, nickel, silver, zinc	None	2
Stikine River (AK_R_1020709_011)	Arsenic, beryllium, cadmium, copper, nickel, pH, selenium, total dissolved solids	None	2
Jordan Creek (AK_R_1030106-014)	Nickel, zinc	None	2
Taku River (AK_R_1030407_006)	Total dissolved solids (TDS)	None	2
Alsek River (AK_R_1040422_001)	Arsenic, cadmium, nickel, pH, selenium	None	2
Kuskokwim River (AK_R_3050101_006_001)	Lead	None	2
Crooked Creek (AK_R_3050108_005)	Total dissolved solids	None	2
Yukon River (AK_R_7050513_010)	pH	None	2
Chena River (AK_R_8030609_003)	pH	None	2
Tanana River (AK_R_8030713_008)	pH	None	2
Tanana River (AK_R_8030722_002)	pH	None	2
Caribou Creek (AK_R_8030906_008)	Chloride, nitrate	None	2
Little Poker Creek (AK_R_8030906_028)	Chloride, nitrate	None	2
Little Poker Creek (AK_R_8030906_028)	Nitrate	None	2

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Poker Creek (AK_R_8030906_039)	Chloride, nitrate	None	2
Unnamed Creek (Caribou Creek tributary) (AK_R_8030906_052)	Chloride, nitrate	None	2
Unnamed Creek (Caribou Creek tributary) (AK_R_8030906_053)	Chloride, nitrate	None	2
Unnamed Creek (to Poker Creek (AK_R_8030906_054)	Chloride, nitrate	None	2
Yukon River (AK_R_8040405_011)	pH	None	2
Hess Creek (AK_R_8040408_003)	pH	None	2
North Fork Andreafski River (AK_R_9030506_001)	Alkalinity, barium, chloride, dissolved oxygen, zinc	None	2
Yukon River (AK_R_9030512_004)	Alkalinity, barium, cadmium, chloride, dissolved oxygen, nitrate, zinc	None	2
Yukon River (AK_R_9030512_009)	Alkalinity, chloride, dissolved oxygen, pH	None	2

Appendix B

The following waterbodies had new data and were evaluated for the 2022 Integrated Report, but no changes are proposed.

Category 5

Waterbody Name (Assessment Unit ID)	Parameter	Previous Category (2020 Integrated Report)	Proposed Category (2022 Integrated Report)
Knudson Beach (AK_B_1010203_005)	Enterococcus, fecal coliform	5	5
Refuge Cove Beach (AK_B_1010204_001)	Fecal coliform	5	5
Rotary Pool Beach (AK_B_1010204_003)	Enterococcus, fecal coliform	5	5
Seaport Beach (AK_B_1010204_004)	Fecal coliform	5	5
Shull Beach (AK_B_1010204_005)	Enterococcus, fecal coliform	5	5
South Point Higgins Beach (AK_B_1010204_006)	Fecal coliform	5	5
Sunset Beach (AK_B_1010204_007)	Enterococcus, fecal coliform	5	5
Thomas Basin Beach (AK_B_1010204_008)	Enterococcus, fecal coliform	5	5
Herring Cove Beach (AK_B_1010205_003)	Enterococcus, fecal coliform	5	5
Mtn Pt Cultural Food Beach (AK_B_1010208_001)	Enterococcus, fecal coliform	5	5
Little Susitna River (AK_R_2050512_016_003)	Turbidity	5	5

Category 4

Waterbody Name (Assessment Unit ID)	Parameter	Previous Category (2020 Integrated Report)	Proposed Category (2022 Integrated Report)
Campbell Lake (AK_L_2040106_003)	Fecal coliform	4A	4A
University Lake (AK_L_2040108_055)	Fecal coliform	4A	4A

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Westchester Lagoon (AK_L_2040108_060)	Fecal coliform	4A	4A
Pederson Hill Creek (AK_R_1030106_038)	Fecal coliform	4A	4A
Jordan Creek (AK_R_1030106-014)	Dissolved oxygen	4A	4A
Ship Creek (AK_R_2040104_002_001)	Fecal coliform	4A	4A
Campbell Creek (AK_R_2040106_001)	Fecal coliform	4A	4A
Little Campbell Creek (AK_R_2040106_004)	Fecal coliform	4A	4A
Furrow Creek (AK_R_2040107_002)	Fecal coliform	4A	4A
Little Rabbit Creek (AK_R_2040107_003_001)	Fecal coliform	4A	4A
Little Survival Creek (AK_R_2040107_007)	Fecal coliform	4A	4A
Chester Creek (AK_R_2040108_003)	Fecal coliform	4A	4A
Fish Creek (AK_R_2040108_009)	Fecal coliform	4A	4A
Deadwood Creek (AK_R_8040108_008)	Turbidity	4A	4A
Ketchem Creek (AK_R_8040108_019_001)	Turbidity	4A	4A

Category 3

Waterbody Name (Assessment Unit ID)	Parameter	Previous Category (2020 Integrated Report)	Proposed Category (2022 Integrated Report)
Rotary Park Beach (AK_B_1010204_002)	Enterococcus	3	3
Kenai Beach Gull Rookery 1 (AK_B_2030218_001)	Fecal coliform	3	3
North Kenai Beach (AK_B_2030218_002)	Enterococcus, fecal coliform	3	3
South Kenai Beach (AK_B_2030218_003)	Enterococcus, fecal coliform	3	3
Warren Ames Bridge Beach (AK_B_2030218_004)	Fecal coliform	3	3
Kenai Beach Gull Rookery 2 (AK_B_2030218_005)	Fecal coliform	3	3

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Port of Valdez (AK_M_2020111_005)	Dissolved oxygen, residues	3	3
Unuk River (AK_R_1010504_005)	Aluminum, dissolved oxygen, iron, manganese, strontium, thallium, turbidity, vanadium	3	3
Taku River (AK_R_1030407_006)	Alkalinity, aluminum, dissolved oxygen, manganese, nitrate/nitrite, silver	3	3
Caribou Creek (AK_R_2010102_001)	Alkalinity, dissolved oxygen, pH	3	3
Rock Creek (AK_R_2010102_004)	Alkalinity	3	3
Rufus Creek (AK_R_2010104_009)	Alkalinity, dissolved oxygen, pH	3	3
Strelna Creek (AK_R_2010322_012)	Alkalinity, dissolved oxygen, pH	3	3
Long Lake Creek (AK_R_2010323_009)	Alkalinity, dissolved oxygen, pH	3	3
Chokosna River (AK_R_2010324_001)	Alkalinity, dissolved oxygen, pH	3	3
Gilahina River (AK_R_2010324_002)	Alkalinity, dissolved oxygen	3	3
Kenai River (AK_R_2030214_007)	Iron	3	3
Kenai River (AK_R_2030218_002_001)	Copper, iron, zinc	3	3
Kenai River (AK_R_2030218_002_002)	Copper, iron, zinc	3	3
Little Campbell Creek (AK_R_2040106_004)	Dissolved oxygen, pH	3	3
Chester Creek (AK_R_2040108_003)	Dissolved oxygen, pH	3	3
Copper Creek (AK_R_7050612_001)	Alkalinity, dissolved oxygen, pH	3	3
Boyden Creek (AK_R_8030112_001)	Dissolved oxygen, pH	3	3
Little Jack Creek (AK_R_8030112_004)	Alkalinity, dissolved oxygen, pH	3	3
Trail Creek (AK_R_8030112_007)	Alkalinity, dissolved oxygen, pH	3	3
Paco Creek (AK_R_8030113_011)	Alkalinity, dissolved oxygen, pH	3	3
Nabesna River (AK_R_8030114_004)	Alkalinity, dissolved oxygen, pH	3	3
Chena Slough (AK_R_8030609_004_001)	Temperature	3	3
Savage River (AK_R_8030810_005)	Alkalinity, dissolved oxygen, pH	3	3

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Igloo Creek (AK_R_8030811_003)	Alkalinity, dissolved oxygen, pH	3	3
Sanctuary River (AK_R_8030811_004)	Alkalinity, dissolved oxygen, pH	3	3
Tattler Creek (AK_R_8030811_006)	Alkalinity, dissolved oxygen, pH	3	3
Hogan Creek (AK_R_8030811_007)	Alkalinity, dissolved oxygen, pH	3	3
Unnamed creek (Gorge Creek tributary) (AK_R_8031014_020)	Alkalinity, dissolved oxygen, pH	3	3
Unnamed creek (McKinley River tributary 1) (AK_R_8031014_021)	Alkalinity, dissolved oxygen, pH	3	3
Eureka Creek (AK_R_8031018_005)	Alkalinity, dissolved oxygen, pH	3	3
Lake Creek (AK_R_8031018_009)	Alkalinity, dissolved oxygen, pH	3	3
Moose Creek (AK_R_8031018_010)	Alkalinity	3	3
Unanmed Creek (Wonder Lake inflow) (AK_R_8031018_019)	Alkalinity, dissolved oxygen, pH	3	3
Stony Creek (AK_R_8031024_010)	Alkalinity, dissolved oxygen, pH	3	3
Travertine Stream (AK_R_8031024_011)	Alkalinity, dissolved oxygen, pH	3	3
Little Stony Creek (AK_R_8031024_012)	Alkalinity, chloride, pH	3	3
Unnamed creek (East Fork Toklat River tributary (AK_R_8031025_003)	Alkalinity, dissolved oxygen, pH	3	3
Deadwood Creek (AK_R_8040108_008)	Arsenic	3	3
Ketchem Creek (AK_R_8040108_019_001)	Arsenic	3	3
Mammoth Creek (AK_R_8040108_022)	Arsenic	3	3

Category 2

Waterbody Name (Assessment Unit ID)	Parameter	Previous Category (2020 Integrated Report)	Proposed Category (2022 Integrated Report)
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Refuge Cove Beach (AK_B_1010204_001)	Enterococcus	2	2
Seaport Beach (AK_B_1010204_004)	Enterococcus	2	2
South Point Higgins Beach (AK_B_1010204_006)	Enterococcus	2	2
Ward Cove (AK_M_1010204_008)	Dissolved oxygen	2	2
Unuk River (AK_R_1010504_005)	Alkalinity, ammonia, barium, cadmium, lead, lithium, molybdenum, nickel, selenium, silver, total dissolved solids, zinc	2	2
Indian River (AK_R_1021211_002)	Dissolved oxygen, pH	2	2
Salmon River (AK_R_1030214_001)	Dissolved oxygen, pH	2	2
Taiya River (AK_R_1030301_003)	Dissolved oxygen, pH	2	2
Rock Creek (AK_R_2010102_004)	Dissolved oxygen, pH	2	2
Gilahina River (AK_R_2010324_002)	pH	2	2
Kenai River (AK_R_2030218_002_001)	Arsenic, cadmium, chromium, lead	2	2
Kenai River (AK_R_2030218_002_002)	Arsenic, cadmium, chromium, lead	2	2
Chalk Creek (AK_R_8030112_002)	Alkalinity, dissolved oxygen, pH	2	2
Jack Creek (AK_R_8030112_003)	Alkalinity, dissolved oxygen, pH	2	2
Chena Slough (AK_R_8030609_004_001)	Dissolved oxygen, pH, sedimentation/siltation, turbidity	2	2
Moose Creek (AK_R_8031018_010)	Dissolved oxygen, pH	2	2
East Fork Toklat River (AK_R_8031025_001)	Alkalinity, dissolved oxygen, pH	2	2
Deadwood Creek (AK_R_8040108_008)	pH	2	2
Ketchem Creek (AK_R_8040108_019_001)	pH	2	2
Mammoth Creek (AK_R_8040108_022)	pH, turbidity	2	2

Appendix C

2020 Approved Integrated Report Impaired Waters

Category 5

Waterbody Name (Assessment Unit ID)	Parameter
Knudson Cove Beach (AK_B_1010203_005)	Enterococcus, fecal coliform
Beacon Hill Beach (AK_B_1010203_004)	Fecal coliform
South Point Higgins Beach (AK_B_1010204_006)	Fecal coliform
Shull Beach (AK_B_1010204_005)	Enterococcus, fecal coliform
Sunset Beach (AK_B_1010204_007)	Enterococcus, fecal coliform
Refuge Cove Beach (AK_B_1010204_001)	Fecal coliform
Thomas Basin Harbor (AK_B_1010204_008)	Enterococcus, fecal coliform
Seaport Beach (AK_B_1010204_004)	Fecal coliform
Rotary Pool (AK_B_1010204_003)	Enterococcus, fecal coliform
Herring Cove Beach (AK_B_1010205_003)	Enterococcus, fecal coliform
Mountain Point Cultural Food Beach (AK_B_1010208_001)	Enterococcus, fecal coliform
Salt Chuck Bay (AK_M_1010305_021)	Copper
Kimshan Cove (AK_M_1021115_007)	Arsenic, copper, lead, mercury
Katlian River (AK_R_1021212_004_001)	Sedimentation/siltation, turbidity
Little Susitna River (AK_R_2050512_016_003)	Total aromatic hydrocarbons, turbidity
Egegik River (AK_R_3020311_001_001)	Petroleum hydrocarbons
Kuskokwim River (Red Devil) (AK_R_3050101_006_008)	Antimony, arsenic, mercury
Red Devil Creek (2) (AK_R_3050101_009)	Antimony, arsenic, mercury

Category 4a

Waterbody Name (Assessment Unit ID)	Parameter
Big Lake (AK_L_2040105_008_001)	Petroleum hydrocarbons
Lake Lucille (AK_L_2040105_036)	Dissolved oxygen, contaminated sediments (PAH), lead and zinc in sediment
Campbell Lake (AK_L_2040106_003)	Fecal coliform
University Lake (AK_L_2040108_055)	Fecal coliform
Westchester Lagoon (AK_L_2040108_060)	Fecal coliform
Red Lake-Anton Road Pond (AK_L_2070115_036)	Iron, manganese
Ward Cove (AK_M_1010204_008)	Residues
Thorne Bay (AK_M_1010303_017)	Debris
Hawk Inlet (AK_M_1020408_002)	Cadmium, copper, lead, mercury, zinc in sediment

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Klag Bay (AK_M_1021116_020)	Arsenic, cobalt, copper, lead, manganese, mercury, silver, zinc
Herring Cove, of Silver Bay (AK_M_1021211_010)	Debris
Silver Bay (AK_M_1021211_020)	Ammonida, debris, hydrogen sulfide, 4-methylphenol
Skagway Harbor (AK_M_1030305_003)	Petroleum hydrocarbons
Akutan Harbor (AK_M_3010207_004)	Residues
Dutch Harbor (AK_M_3010208_005)	Petroleum hydrocarbons
Iliuliuk Harbor (AK_M_3010208_009)	Petroleum hydrocarbons
South Unalaska Bay (AK_M_3010208_022)	Biochemical oxygen demand (BOD), residues
Jordan Creek (AK_R_1030106_014)	Debris, dissolved oxygen, sedimentation/siltation
Lemon Creek (AK_R_1030106_017_001)	Sedimentation/siltation, turbidity
Duck Creek (AK_R_1030106_036)	Debris, dissolved oxygen, fecal coliform, iron, turbidity
Vanderbilt Creek (AK_R_1030106_037)	Sedimentation/siltation, turbidity
Pederson Hill Creek (AK_R_1030106_038)	Fecal coliform
Pullen Creek (AK_R_1030302_007)	Cadmium, copper, lead, zinc
Ship Creek-Glenn Hy. Bridge Down to Mouth (AK_R_2040104_002_001)	Fecal coliform
Campbell Creek (AK_R_2040106_001)	Fecal coliform
Little Campbell Creek (AK_R_2040106_004)	Fecal coliform
Furrow Creek (AK_R_2040107_002)	Fecal coliform
Little Rabbit Creek (AK_R_2040107_003_001)	Fecal coliform
Little Survival Creek (AK_R_2040107_007)	Fecal coliform
Chester Creek (AK_R_2040108_003)	Fecal coliform
Cottonwood Creek (AK_R_2040108_004_001)	Fecal coliform
Fish Creek (Anchorage) (AK_R_2040108_009)	Fecal coliform
Matanuska River (AK_R_2040207_013_002)	Debris
Noyes Slough (AK_R_8030609_017)	Debris, petroleum hydrocarbons
Garrison Slough (AK_R_8030710_002_001)	Polychlorinated biphenyls (PCBs)
Goldstream Creek (AK_R_8030907_014_001)	Turbidity
Slate Creek (AK_R_8031018_015)	Antimony, arsenic, iron
Upper Birch Creek drainage: Eagle Creek (AK_R_8040102_006)	Turbidity
Upper Birch Creek drainage: Gold Dust Creek (AK_R_8040102_009)	Turbidity
Birch Creek (Ikhèenjìk River) (AK_R_8040102_012_002)	Turbidity
Crooked Creek Watershed: Boulder Creek (AK_R_8040108_006)	Turbidity
Crooked Creek Watershed: Crooked Creek (AK_R_8040108_007_002)	Turbidity

Crooked Creek Watershed: Deadwood Creek (AK_R_8040108_008)	Turbidity
Crooked Creek Watershed: Ketchem Creek (AK_R_8040108_019_001)	Turbidity

Category 4b

Waterbody Name (Assessment Unit ID)	Parameter
EVOS beach (N Elrington Island) (AK-20202-802)	Petroleum hydrocarbons
EVOS beach (NW LaTouche Island 2) (AK-20202-804)	Petroleum hydrocarbons
EVOS beach (NW LaTouche Island 3) (AK-20202-805)	Petroleum hydrocarbons
EVOS beach (N LaTouche Island 6) (AK-20202-808)	Petroleum hydrocarbons
EVOS beach (N LaTouche Island 7) (AK-20202-809)	Petroleum hydrocarbons
EVOS beach (mainland) (AK-20202-811)	Petroleum hydrocarbons
EVOS beach (NE Knight Island) (AK-20202-812)	Petroleum hydrocarbons
EVOS beach (Rua Cove, Knight Island) (AK-20202-813)	Petroleum hydrocarbons
EVOS beach (SE Knight Island) (AK-20202-814)	Petroleum hydrocarbons
EVOS beach (Marsha Bay, Knight Island) (AK-20202-815)	Petroleum hydrocarbons
EVOS beach (N Green Island) (AK-20202-816)	Petroleum hydrocarbons
EVOS beach (NE Seal Island) (AK-20202-817)	Petroleum hydrocarbons
EVOS beach (N Disk Island) (AK-20202-818)	Petroleum hydrocarbons
EVOS beach (NE Evans Island 2) (AK-20202-819)	Petroleum hydrocarbons
EVOS beach (NE Evans Island 4) (AK-20202-821)	Petroleum hydrocarbons
Eleanor Island (AK_B_2020302_003)	Petroleum hydrocarbons
EVOS beach (N Smith Island) (AK_B_2020302_026)	Petroleum hydrocarbons
EVOS beach (NE Evans Island 3) (AK_B_2020303_001)	Petroleum hydrocarbons
EVOS beach (NE LaTouche Island 1) (AK_B_2020303_002)	Petroleum hydrocarbons
EVOS beach (N LaTouche Island 4) (AK_B_2020303_003)	Petroleum hydrocarbons
EVOS beach (N LaTouche Island 5) (AK_B_2020303_004)	Petroleum hydrocarbons
EVOS beach (N LaTouche Island 8) (AK_B_2020303_005)	Petroleum hydrocarbons
EVOS beach (N Elrington Island) (AK-20202-802)	Petroleum hydrocarbons
EVOS beach (NW LaTouche Island 2) (AK-20202-804)	Petroleum hydrocarbons
EVOS beach (NW LaTouche Island 3) (AK-20202-805)	Petroleum hydrocarbons
EVOS beach (N LaTouche Island 6) (AK-20202-808)	Petroleum hydrocarbons
EVOS beach (N LaTouche Island 7) (AK-20202-809)	Petroleum hydrocarbons
EVOS beach (mainland) (AK-20202-811)	Petroleum hydrocarbons
EVOS beach (NE Knight Island) (AK-20202-812)	Petroleum hydrocarbons
EVOS beach (Rua Cove, Knight Island) (AK-20202-813)	Petroleum hydrocarbons

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EVOS beach (SE Knight Island) (AK-20202-814)	Petroleum hydrocarbons
EVOS beach (Marsha Bay, Knight Island) (AK-20202-815)	Petroleum hydrocarbons
EVOS beach (N Green Island) (AK-20202-816)	Petroleum hydrocarbons
EVOS beach (NE Seal Island) (AK-20202-817)	Petroleum hydrocarbons
EVOS beach (N Disk Island) (AK-20202-818)	Petroleum hydrocarbons
EVOS beach (NE Evans Island 2) (AK-20202-819)	Petroleum hydrocarbons
EVOS beach (NE Evans Island 4) (AK-20202-821)	Petroleum hydrocarbons
Eleanor Island (AK_B_2020302_003)	Petroleum hydrocarbons
EVOS beach (N Smith Island) (AK_B_2020302_026)	Petroleum hydrocarbons
EVOS beach (NE Evans Island 3) (AK_B_2020303_001)	Petroleum hydrocarbons
Silver Bay 2 (AK_M_1021211_020_001)	Residues
Popof Strait (AK_M_3010115_017)	Residues
Cold Bay (AK_M_3010122_001)	Petroleum hydrocarbons
Cabin Creek (AK_R_8030112_008)	Arsenic, cadmium, copper, iron, manganese