# 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.

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

DEC Integrated Report website: https://dec.alaska.gov/water/water-quality/integrated-report/

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, oin 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.

## 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 in 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 impairements 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| | 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 |
| Strelna 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| | 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 oxgyen, 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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)** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| 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) | Antimoy, arsenic, mercury |
| Red Devil Creek (2) (AK_R_3050101_009) | Antimoy, 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 |

| | |
|---|---|
| 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 (Ikhèenjik 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 |

| | |
|---|---|
| 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 |