



# ALASKA CLEAN WATER ACTION (ACWA) NOMINATION FORM

ACWA Identification Number AK 4004-001

Information provided by this completed Alaska's Clean Water Actions (ACWA) nomination will be added to the ACWA database for tracking water quality, water quantity, and aquatic habitat data and related information for this waterbody. It will also be used for identifying pristine waterbodies for monitoring, evaluating the effectiveness of stewardship, whether stewardship actions are needed, and for overall prioritization of ACWA stewardship actions.

The State will only be able to process the information you supply in this ACWA waterbody nomination form if you provide all mandatory information marked with a double asterisk (\*\*). Incomplete nominations will be returned to nominees.

Please provide as much supplemental information as possible. This will assure that the State's ACWA agency reviewers adequately investigate and document the nominated portion of a waterbody. Please be as specific as possible.

Thank you for your time, assistance, and participation in the stewardship of Alaska's waterbodies.

## **\*\*Section A: Respondent Information**

RESPONDENT INFORMATION (who to contact for additional nomination form information):

\*\***(A1)** Name: Joe Cottingham **(A2)** Telephone: 907-465-5306  
\*\***(A3)** Date of submittal: 1/2/04  
\*\***(A4)** Mailing Address (home, work, or organization): 410 Willoughby Ave  
\*\***(A5)** City: Juneau \*\***(A6)** State: AK \*\***(A7)** Zip Code: 99801  
**(A8)** Fax Number: 907-465-5274  
**(A9)** Email address: \_\_\_\_\_

## **\*\*Section B: Stewardship Action Requested\*\***

**(B1) Corrective Action** for:

- Water Quality
- Water Quantity
- Aquatic Habitat

*If you checked any box in B1 above then Sections C through F of this Nomination Form must be completed.*

**(B2) Monitoring** for:

- Water Quality
- Water Quantity
- Aquatic Habitat

*If you checked any box above then Sections A, B, C1, C5-7, E and F of this Nomination Form must be completed.*

## **Section C: Waterbody Description**



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**\*\* (C1) NAME OF WATERBODY:** Forty mile

**(C2)** If you are aware that more than one name has been assigned to this waterbody, please supply other names, also): \_\_\_\_\_

**(C3)** Fill in local, state or federal agency descriptive numbers that will assist in identifying and locating the waterbody (e.g. State of Alaska Department of Fish and Game Anadromous fish stream catalog number of stream, Alaska Department of Natural Resources Land Administrative System (LAS) number, USGS hydrologic unit number, etc.) Please identify the type(s) of identification number systems you provide):  
\_\_\_\_\_  
\_\_\_\_\_

**(C4)** Is this portion of the waterbody being nominated currently located in a national or state park, monument, refuge, preserve, or similar state, federal or local area?

Yes  No  Don't Know  
Name(s): Wild & scenic River?

**\*\* (C5)** Exact Location(s) of Waterbody nominated (detailed description and, if known, latitude and longitude):

65.197° N  
141.832° W

## AND

**\*\* Attach US Geological Survey map of 1:63360 or 1:24000 scale or a similar map of equal or better detail and mark the exact location(s) on the map to illustrate the nominated portions of the waterbody. Several websites such as TOPOZONE (<http://www.topozone.com/>) are available to assist in providing maps. If you don't have access to a map, make contact with the State resource agency office nearest you for assistance.**

**\*\* (C6) Waterbody Type:**

- River/Stream
- Lake/Pond
- Fresh Wetland
- Tidal Wetland
- Estuary
- Coastal Shoreline
- Bay, Inlet, Sound, etc.(marine)
- Groundwater

**\*\* (C7) Waterbody Segment or Specific Location(s) /Point(s) (also illustrate on attached map or figure)**

From: Headwaters  
To: CANADIAN BORDER  
Other Description(s): \_\_\_\_\_

Length of Segment: \_\_\_\_\_

## Section D: Waterbody Issues and Concerns

This section of the nomination form explores the issues or concerns you have with the waterbody. Please fill out the following sections.



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**\*\* (D1) DO YOU HAVE CONCERNS ABOUT WATER QUALITY (POLLUTION?)**

Yes /  No

If yes, the following question must be completed. If no, please skip to Question D3.

**\*\* (D2) MARK THE TYPE OF POLLUTANTS YOU SUSPECT ARE PRESENT IN THE WATERBODY (Using Severity Ratings: H=High, M=Medium, L=Low). If you know more details about the pollutant type, please write it in the space below.**

**POLLUTANTS:**

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> 0 Cause unknown         | <input type="checkbox"/> 11 Siltation/sedimentation     | <input checked="" type="checkbox"/> 21 Suspended solids     |
| <input type="checkbox"/> 1 Unknown toxicity      | <input type="checkbox"/> 12 Low dissolved oxygen        | <input type="checkbox"/> 22 Noxious aquatic plants          |
| <input type="checkbox"/> 4 Nonpriority organics: | structure   | <input checked="" type="checkbox"/> 23 Filling and draining |
| <input type="checkbox"/> 5 Metals:               | <input type="checkbox"/> 13 TDS/Salinity/Chlorides      | <input type="checkbox"/> 24 Total toxics                    |
| <input type="checkbox"/> 2 Pesticides:           | <input type="checkbox"/> 14 Temperature Modifications   | <input checked="" type="checkbox"/> 25 Turbidity/sediment   |
| <input type="checkbox"/> 3 Priority organics:    | <input checked="" type="checkbox"/> 15 Flow alterations | <input type="checkbox"/> 26 Exotic species                  |
| <input type="checkbox"/> 6 Ammonia               | <input type="checkbox"/> 16 Other habitat alterations   | <input type="checkbox"/> 27 Debris, foam, scum, etc.        |
| <input type="checkbox"/> 7 Chlorine              | <input type="checkbox"/> 17 Pathogens                   | <input type="checkbox"/> 28 Insufficient stream             |
| <input type="checkbox"/> 8 Other inorganics      | <input type="checkbox"/> 18 Radiation                   | <input type="checkbox"/> 29 Arsenic                         |
| <input type="checkbox"/> 9 Nutrients             | <input type="checkbox"/> 19 Oil and Grease              |   |
| <input type="checkbox"/> 10 pH                   | <input type="checkbox"/> 20 Taste and odor              |   |

30 Other: \_\_\_\_\_

**\*\* (D3) DO YOU HAVE CONCERNS ABOUT WATER QUANTITY (TOO MUCH OR TOO LITTLE?)**  Yes /  No

If yes, the following questions must be completed. If no, please skip to Question D5.

**\*\* (D4) WHAT ARE YOUR CONCERNS ABOUT WATER QUANTITY?**

Insufficient Water volume, depth, and/or velocities, due to:

Out-of-waterbody withdrawal for consumptive use

Ground water withdrawal for consumptive use

Man-made diversion

Man-made impoundment

Other

Explain: \_\_\_\_\_

Excessive Water volume, depth, and/or velocities, due to:

Man-made diversion

Man-made impoundment

Flooding caused by human activities



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Channel variation

Other

Explain: \_\_\_\_\_

**\*\* (D5) DO YOU HAVE CONCERNS ABOUT AQUATIC HABITAT?  Yes /  No**

If yes, the following questions must be completed. If no, please skip to Question D7.

**\*\* (D6) WHAT ARE YOUR CONCERNS ABOUT AQUATIC HABITAT? Provide details in the space provided.**

Loss of Rearing Habitat \_\_\_\_\_

Exotic Species \_\_\_\_\_

Loss of Spawning Habitat \_\_\_\_\_

Loss of Vegetation \_\_\_\_\_

Low Flow (also answer D3 and D4) \_\_\_\_\_

Low Dissolved Oxygen \_\_\_\_\_

Prevention of Fish Passage \_\_\_\_\_

Sedimentation \_\_\_\_\_

Streambank Erosion \_\_\_\_\_

Temperature Modification \_\_\_\_\_

Water quality degradation (also answer D1 and D2) \_\_\_\_\_

Other \_\_\_\_\_

## **\*\*Section E: Uses and Sources**

**\*\* (E1) MARK THE USES FOR THE WATERBODY OF WHICH YOU ARE AWARE.**

| <input checked="" type="checkbox"/> Fresh water                 | <input type="checkbox"/> Marine Water  |
|---|--|
| <input type="checkbox"/> Water Supply:                          | <input type="checkbox"/> Water Supply: |
| <input type="checkbox"/> Drinking, culinary and food processing | <input type="checkbox"/> Aquaculture   |



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|   |  |
|---|--|
| <input type="checkbox"/> Agriculture, including irrigation and stock watering                               | <input type="checkbox"/> Seafood Processing  |
| <input type="checkbox"/> Aquaculture  | <input type="checkbox"/> Industrial  |
| <input type="checkbox"/> Industrial   | <input type="checkbox"/> Water Recreation:   |
| <input checked="" type="checkbox"/> Water Recreation:   | <input type="checkbox"/> Contact Recreation  |
| <input type="checkbox"/> Contact recreation   | <input type="checkbox"/> Secondary Recreation  |
| <input type="checkbox"/> Secondary recreation   | <input type="checkbox"/> Growth & propagation of fish, shellfish other aquatic life and wildlife |
| <input checked="" type="checkbox"/> Growth & propagation of fish, shellfish other aquatic life and wildlife | <input type="checkbox"/> Harvesting for consumption of raw mollusks or other raw aquatic life    |

**\*\* (E2) MARK THE SOURCES YOU SUSPECT ARE CAUSING IMPACT TO WATER QUALITY, WATER QUANTITY, or AQUATIC HABITAT (Using Severity Ratings: H= High, M= Medium, L=Low). Provide details in the space provided.**

Point Sources:

- 1 Industrial
- 2 Municipal
- 3 Storm sewers
- 4 Combined sewers

- 54 Dredge mining
- 55 Petroleum activities
- 56 Mill tailings
- 57 Mine tailings
- 58 Gravel mining
- 59 Injection wells

Agriculture:

- 11 Non-irrigated crop production
- 12 Irrigated crop production
- 13 Specialty crop production
- 14 Pasture land
- 15 Range land
- 16 Feedlots
- 17 Aquaculture
- 18 Animal waste/holding areas
- 19 Manure lagoons

- Urban Runoff:
- 40 Surface runoff
  - 41 Storm sewers

Waste Disposal:

- 61 Sludge
- 62 Wastewater
- 63 Landfills
- 64 Industrial land treatment
- 65 Onsite wastewater systems

Silviculture:

- 20 Timber harvest
- 21 Stream restoration projects
- 22 Forest management
- 23 Road construction/maintenance
- 24 Elimination of stream thermal cover

- 66 Hazardous waste
- 67 Sewage disposal

Construction:

- 30 Highway/road
- 31 Bridge construction/repair
- 32 Land development

Hydrologic Modification:

- 71 Stream channelization
- 72 Dredging
- 73 Dam construction
- 74 Flow regulation/modification
- 75 Bridge construction
- 76 Removal or modification of riparian vegetation
- 77 Streambank modification
- 78 Draining/filling of wetlands
- 79 Surface water flow/volume regulation, withdrawal

Resource Exploration/extraction:

- 51 Surface mining
- 52 Subsurface mining
- 53 Placer mining



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\_\_ 80 Subsurface water withdrawal

- \_\_ 88 Upstream impoundment
- \_\_ 89 Salt storage sites
- \_\_ 91 Fire damage/restoration
- \_\_ 92 Underground storage tanks
- \_\_ 93 Aboveground storage tanks
- \_\_ 94 Saltwater intrusion
- \_\_ 95 Road salting
- \_\_ 96 Fish, shellfish wastes
- \_\_ 90 UNKNOWN SOURCE

**Other:**

- \_\_ 81 Atmospheric deposition
- \_\_ 82 Waste storage tank leaks
- \_\_ 83 Highway maintenance/runoff
- \_\_ 84 Petroleum/chemical spills, leaks
- \_\_ 85 In-place containments
- \_\_ 86 Natural sources
- \_\_ 87 Recreational activities  
diversion (rivers, lakes, other wetlands)

### **\*\*Section F: Documentation**

**\*\* (F1) WHAT SUPPORTING DOCUMENTATION DO YOU HAVE FOR THIS NOMINATION (WATER QUALITY, WATER QUANTITY, AND/OR AQUATIC HABITAT CONCERNS)?**

Monitoring Data

*Is data presented in a report? [ ] Yes/[ ] No **\*\*If yes, you must complete report details in F2 below.***

Notice of Violation [NOV]/Enforcement Action

*\*\*If checked you must provide date of NOV and other details.* \_\_\_\_\_

Observation

*What type of documentation do you have for your observation?*

- Photos                       Field Notes                       Other

*If yes, you must reference details below regarding your observation(s) and submit copies with nomination.* \_\_\_\_\_

Report

*If yes, you must complete report details in F2 below, including title(s), type(s), author(s), and date(s).*

Other

*If checked, you must describe.* \_\_\_\_\_

**\*\* (F2) IF REFERENCING REPORTS, PLEASE PROVIDE REPORT TITLES, AUTHORS, AND DATES.** There is room provided below for five reports. If additional reports are referenced, please list them in question **F3** below. If the report(s) have a specific type (e.g., 1989 Nonpoint source pollution report, Anchorage daily news article, email, etc.), please note that under Report Type.



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Title (1) USGS Regional Geoscience Baseline - Fortymile + Goodpasture River  
Report Type (1) Study  
Author (1) USGS Larry Gough Date(1) 7/1/00

Title (2) Geologic Studies in ALASKA #1633  
Report Type (2) Study  
Author (2) USGS Gough + Wilson Date(2) 01-01-01

Title (3) Regional Geochemical ... Rock, Water, Soil, Stream Sediment (Fortymile)  
Report Type (3) Study  
Author (3) USGS Crook, Gough, Wanty et al Date(3) 7/1/01 ??

Title (4) Geologic Studies in AK # 1615  
Report Type (4) Study  
Author (4) USGS Date(4) 7/1/00

Title (5) Fortymile River Watershed Assessment  
Report Type (5) \_\_\_\_\_  
Author (5) Yukon River Inter-Tribal Watershed Council Date(5) 3/1/03

**\*\* (F3) IF YOU HAVE ANY OTHER COMMENTS OR FURTHER DESCRIPTIONS, PLEASE PROVIDE THEM IN THE SPACE BELOW.**

Environmental Assessment for long-term camping on the north fork of the Fortymile River - BLM - 3/3/1999

Public Data File 87-32 Water Quality + Discharge Data (Fortymile)  
MACK, MOORMAN, HARRIS 12/1/87

PDF 88-5 Water Quality Investigations 1/1/88  
MACK, MOORMAN, HARRIS

Thank you for participating in Alaska's Clean Water Actions program!

Stored DATA  
Monitoring  
USGS

7/29/80 + 8/22/81