ALASKA CLEAN WATER ACTION (ACWA) NOMINATION FORM

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 evaluating the effectiveness of stewardship, whether stewardship actions are needed, and for overall prioritization of ACWA stewardship actions. This information will only be entered into the database if it meets minimum standards identified in the next paragraph. Please also review the accompanying "ACWA Nomination Form Instructions" for more details and definitions of terms. The state will be unable to process and transfer the information you supply in this ACWA waterbody nomination form to the ACWA database unless you provide all the requested mandatory information for all sections in this form marked with a double asterisk (**). Supplying responses for all mandatory information requests will ensure your waterbody nomination data will be entered into the ACWA database. It provides the necessary information required by ACWA agency reviewers to identify the location, characteristics and condition(s) of the nominated waterbody for entry into the ACWA database. Incomplete forms will be returned to nominees requesting missing information. You are also encouraged to fill in as much of the optional information portions of this nomination form. Please provide as much supplemental information as possible to help the state's ACWA agency reviewers identify whether the nominated portion of a waterbody has been adequately investigated and documented. Please be as specific as possible when providing information on this form.

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

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

** Name: Jarrod Sowa

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** Date of submittal: 03/05/04

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City: douglas

State: AK

Zip Code: 99824

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Section B: Stewardship Action Requested

(B1) Corrective Action for: *(All sections, A through F, of this Nomination Form must be completed).* ☐ Water Quality ☐ Water Quantity ☑ Aquatic Habitat

(B2) Monitoring for: (Sections A, B, C, E and F must be completed.) ☐ Water Quality ☐ Water Quantity ☑ Aquatic Habitat

Section C: Waterbody Description

** **(C1)** NAME OF WATERBODY: Lake Cr

(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):

ID: 19010301

ID Type: HUC

i11-50-10420-2010 ADF&G

(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 ○ Unknown Name:

****(C5)** Exact Location(s) of Waterbody nominated (detailed description or preferably latitude and longitude): 58.391 N 134.631 W

AND

**Attach a 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. You can use this email address to attach an electronic version Drew_Grant@envircon.state.ak.us or you can mail the map to Drew Grant, ACWA Nomination, 410 Willoughby, Juneau, AK 99801 - 1795. 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 map assistance.

(C6) Waterbody Type: River/Stream

****(C7)** Waterbody Segment or Specific Location (s)/Point(s) (also illustrate on attached map or figure. See above for instructions)

From: Auke Lake

To: headwaters

Other Description(s):

Length of Segment: 5 miles

Waterbody 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.

(D1) **DO YOU HAVE CONCERNS ABOUT WATER QUALITY (POLLUTION?) ○ Yes / ◉ No

If yes, please fill out the following questions. 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.

	Pollutant		**Pollutant**
☐	0 Cause unknown	☐	16 Other habitat alterations
☐	1 Unknown Toxicity	☐	17 Pathogens
☐	2 Pesticides	☐	18 Radiation
☐	3 Priority Organics	☐	19 Oil and Grease
☐	4 Nonpriority Organic Pollutants (e.g., dissolved petroleum or solvents)	☐	20 Taste and Odor
☐	5 Metals	☐	21 Suspended solids
☐	7 Chlorine	☐	22 Noxious Aquatic Plants
☐	8 Other Inorganics	☐	23 Filling and Draining
☐	9 Nutrients	☐	24 Total Toxics
☐	10 pH	☐	25 Turbidity/Sediment
☐	11 Siltation/Sediment	☐	26 Exotic Species
☐	12 Low dissolved oxygen	☐	27 Debris, foam, scum, etc.

- [ ] 13 TDS/Salinity/Chlorides
- [ ] 14 Temperature Modifications
- [ ] 15 Flow Alterations
- [ ] 28 Insufficient Stream
- [ ] 29 Arsenic
- [ ] 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
- ☐ 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 E1.

**(D6) What are your concerns about AQUATIC HABITAT? Check all those that apply and provide details in the space provided.

☑ Loss of Rearing Habitat	bridge, stream bank erosion from shoreline development, stream channelized @ bridge and upstream of bridge	
☐ Exotic Species		
☑ Loss of Spawning Habitat	fine sediment washed away downstream of bridge, disconnected from water table	
☑ Loss of Vegetation	shoreline development	
☑ Low Flow (also answer D3 and D4)	disconnected from water table (wt)	
☑ Low Dissolved Oxygen	low flows, due to disconnection from (wt), global warming	
☑ Prevention of Fish Passage	delta @ lake has built up, therefore only at high lake levels can → fish reach creek	
☒ Sedimentation	snow plowed into creek with sand	
☒ Streambank Erosion	shoreline development	
☐ Temperature Modification		
☐ Water quality degradation (also answer D1 and D2)		
☐ Other		

****Section E: Uses and Sources***

****(E1)** Select the waterbody type then select all the uses of the waterbody.

◉ **Fresh water** **OR** ○ **Marine Water**

- ☐ Used for seafood Processing
- ☐ Used for harvesting for consumption of raw mollusks or other raw aquatic life
- ☐ Used for Drinking, culinary and food processing
- ☑ Used as a Water Supply
- ☐ Used for Agriculture, including irrigation and stock watering
- ☑ Used for Aquaculture
- ☐ Used for Industrial applications
- ☑ Used for Recreation
- ☑ Used for Contact recreation
- ☑ Used for Secondary recreation
- ☑ Used for Growth & propagation of fish, shellfish other aquatic life and wildlife

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****(E2)** Mark the sources you suspect are causing impacts to WATER QUALITY, WATER QUANTITY, or AQUATIC HABITAT (Using Severity Ratings: H = High, M = Medium, L = Low).

Point Sources

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

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

Silviculture

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

Construction

- [L] 30 Highway/road
- [H] 31 Bridge construction/repair
- [H] 32 Land Development

Urban Runoff

Waste Disposal

- [ ] 61 Sludge
- [ ] 62 Wastewater
- [ ] 63 Landfills
- [ ] 64 Industrial Land Treatment
- [ ] 65 Onsite wastewater systems
- [ ] 66 Hazardous waste
- [ ] 67 Sewage disposal

Hydrologic Modification

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

Other

- [ ] 81 Atmospheric deposition
- [ ] 82 Waste storage tank leaks
- [M] 83 Highway maintenance/runoff
- [ ] 84 Petroleum/chemical spills, leaks
- [ ] 85 In-place contamination
- [ ] 86 Natural sources

M 40 Surface runoff

L 41 Storm sewers

Resource Exploration/Extraction

51 Surface mining

52 Subsurface mining

53 Placer mining

54 Dredge mining

55 Petroleum activities

56 Mill Tailings

57 Mine Tailings

58 Gravel Mining

59 Injection wells

87 Recreational Activities diversion (rivers, lakes, other wetlands)

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

*****Section F: Documentation***

****(F1)** What Supporting documentation do you have for this nomination (WATER QUALITY, WATER QUANTITY, AND/OR AQUATIC HABITAT CONCERNS)? Mark all the documentation types that apply.

☑ 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.

digital photos in jpeg format

☑ 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 below:

****(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.

Title (1): Auke Bay Corridor Study

Report Type (1): report

Author (1): USKH Date(1): April 2004

Title (2): Auke Cr Weir 2002 Annual Report

Report Type (2): report

Author (2): Sidney Taylor & Judy Lum Date(2): 2003

Title (3): Coho Salmoln Smolt

Report Type (3): poster

Author (3): Judy Lum Date(3): 2003

Title (4): Auke Lake PAH Study

Report Type (4): poster

Author (4): Dr Jeep Rice Date(4): 2002

Title (5): Pink Salmon Study Auke System

Report Type (5):

Author (5). Fukishima & Smoker Date(5): 1997

**(F3) If you have any other comments or further descriptions, please provide them in the space provided below.

Report (6) PAHs in Auke Lake, Dr. Jeep Rice 2004, report

[redacted]