

CHAINA FOOT BAY



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:

TIM STEVENS

Telephone:

269-7515

** Date of submittal:

5/0/03

** Mailing Address (home, work, or organization):

DEC ANCHORAGE AIR & WATER

City:

[Empty box]

State:

AK

Zip Code:

[Empty box]

FAX:

[Empty box]

Email:

[Empty box]

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:

CHAINA FOOT BAY

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

[Empty box]

(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: [] ID Type: []

(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: KACHEMAK ST. PARK

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

59/33/44 151/18/49

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:

-- Select Waterbody Type --

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

From: []

To: []

Other Description(s): MARINE

Length of Segment: 4800 ACRES

Waterbody Segment: ENTIRE

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
<input checked="" type="checkbox"/> 0 Cause unknown	<input type="checkbox"/> 16 Other habitat alterations
<input type="checkbox"/> 1 Unknown Toxicity	<input checked="" type="checkbox"/> 17 Pathogens
<input type="checkbox"/> 2 Pesticides	<input type="checkbox"/> 18 Radiation
<input type="checkbox"/> 3 Priority Organics	<input type="checkbox"/> 19 Oil and Grease
<input type="checkbox"/> 4 Nonpriority Organic Pollutants (e.g., dissolved petroleum or solvents)	<input type="checkbox"/> 20 Taste and Odor
<input type="checkbox"/> 5 Metals	<input type="checkbox"/> 21 Suspended solids
<input type="checkbox"/> 7 Chlorine	<input type="checkbox"/> 22 Noxious Aquatic Plants
<input type="checkbox"/> 8 Other Inorganics	<input type="checkbox"/> 23 Filling and Draining
<input type="checkbox"/> 9 Nutrients	<input type="checkbox"/> 24 Total Toxics
<input type="checkbox"/> 10 pH	<input type="checkbox"/> 25 Turbidity/Sediment
<input type="checkbox"/> 11 Siltation/Sediment	<input type="checkbox"/> 26 Exotic Species
<input type="checkbox"/> 12 Low dissolved oxygen	<input type="checkbox"/> 27 Debris, foam, scum, etc.
<input type="checkbox"/> 13 TDS/Salinity/Chlorides	<input type="checkbox"/> 28 Insufficient Stream
<input type="checkbox"/> 14 Temperature Modifications	<input type="checkbox"/> 29 Arsenic
<input type="checkbox"/> 15 Flow Alterations	<input type="checkbox"/> 30 Other
	<input type="checkbox"/> <div style="border: 1px solid black; height: 15px; width: 100%;"></div>

**** (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, Excessive Water volume, depth, and/or velocities, due to:
- Man-made diversion

- Out-of-waterbody withdrawal for consumptive use
- Ground water withdrawal for consumptive use
- Man-made diversion
- Man-made impoundment
- Other

- Man-made impoundment
- Flooding caused by human activity
- Channel variation
- Other

Explain:

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
- 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) 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

**** (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

Waste Disposal

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

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
- 80 Subsurface water withdrawal

- 23 Road construction/maintenance
- 24 Elimination of stream thermal cover

Construction

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

Urban Runoff

- 40 Surface runoff
- 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

Other

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

[Empty text box]

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:

[Empty text box]

**** (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): WATER QUALITY MON. STATUS RPT.

Report Type (1): COOL INLET CITIZEN MONITORIAL 10/80

Author (1): JOEL COOPER Date(1): [Empty]

Title (2): [Empty]

Report Type (2): [Empty]

Author (2): [Empty] Date(2): [Empty]

Title (3): [Empty]

Report Type (3): [Empty]

Author (3): [Empty] Date(3): [Empty]

Title (4): [Empty]

Report Type (4): [Empty]

Author (4): [Empty] Date(4): [Empty]

Title (5): [Empty]

Report Type (5): [Empty]

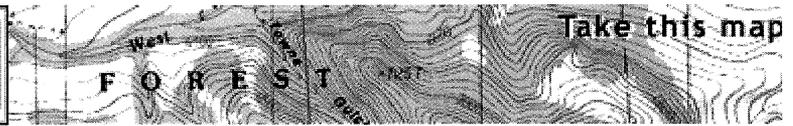
Author (5):

Date(5):

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

DALE BANKS @CIK Says very popular Clanning area, concerns over human waste (fecals)

Submit Water Body Nomination	Reset
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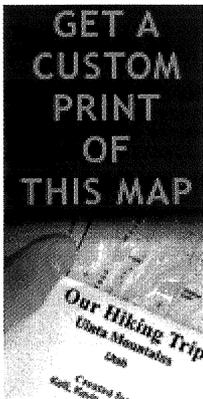
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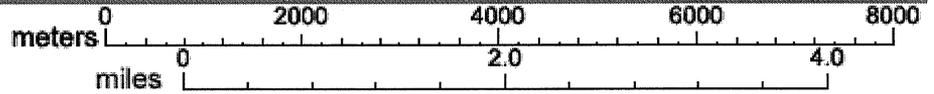
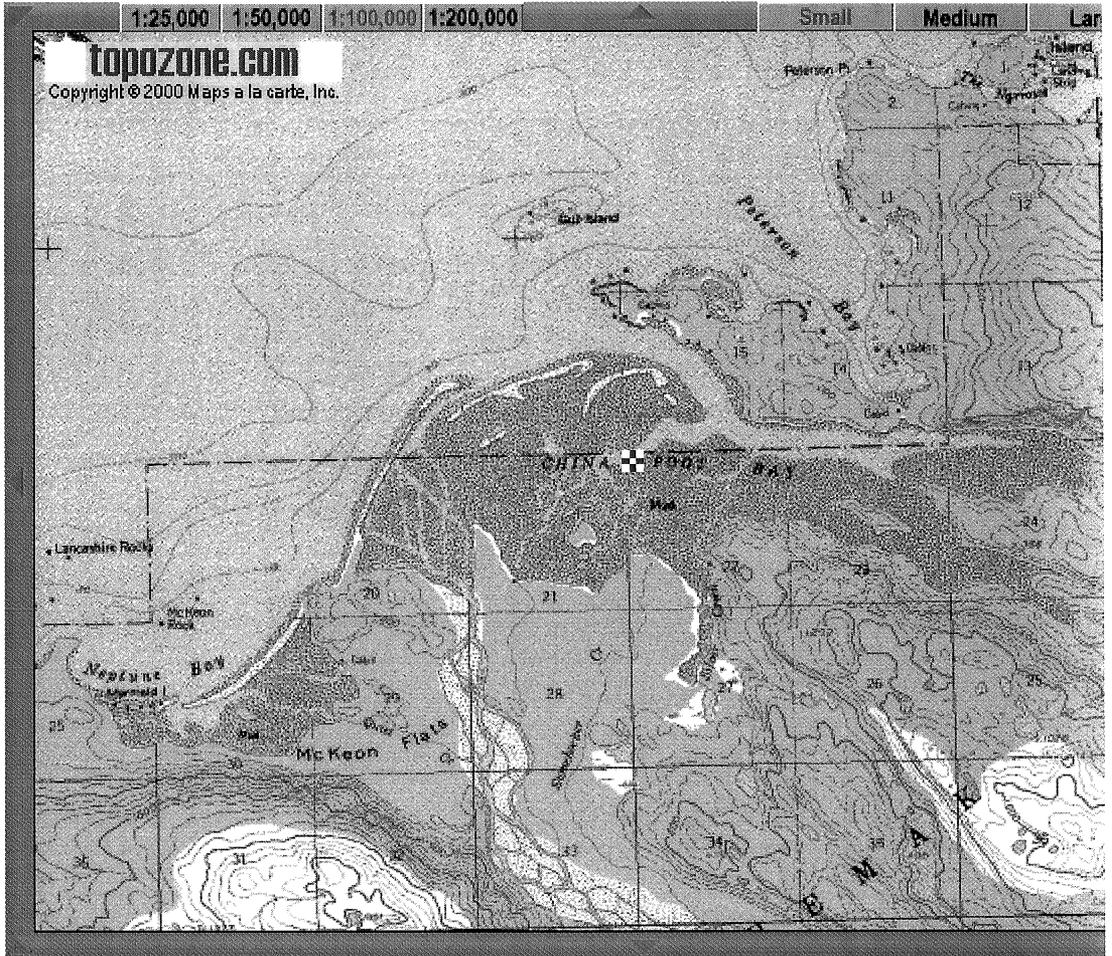
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Target is 59° 33' 44"N, 151° 18' 49"W - SELDOVIA C-4 SE quad [Quad] [Click here to download a custom topographic map with TopoFact](#)



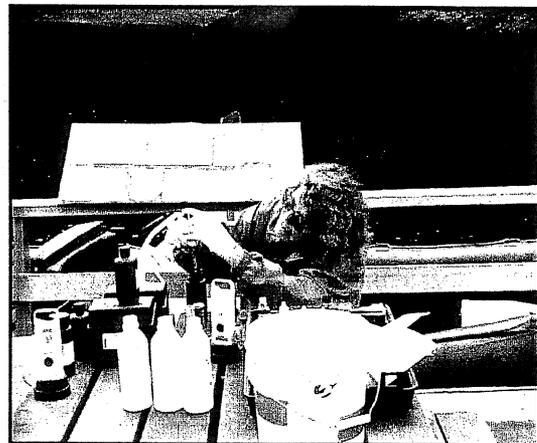
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HOMER SOIL & WATER CONSERVATION DISTRICT
&
COOK INLET KEEPER

Cook Inlet
Citizens' Environmental Monitoring Program
Annual Water Quality
Status Report



SEPTEMBER 2001

Prepared by
Joel Cooper, Research Coordinator
Cook Inlet Keeper



COOK • INLET • KEEPER

Appendix 2 Volunteer Monitoring Data from April 19, 2000 to June 30, 2001

Site ID	Date	Time	Volunteer ID				BCS # Color 2.5 gal 50 ml	Turbid- ity (JTUs)	Water Loca- tion	Temp (C)	DO (mg/l)	%Sat	Salinity (ppt)	Hanna Meter		Color pH	Ortho- phos- phate (ppm)	Nitrate- Nitrogen (ppm)	Bacteria	
			Cond (µS/cm)	ORP (mV)	Total E. coli	Coliform Count (cfu/100ml) (1 ml)								Total E. coli	(5 ml)					
KB-210	6/18/00	3:35 PM	144	157	36	36	5	Stream	9.5	10.6	93.3%	160	208	7.0	7.5	0.10	1.0			
Data Entry Comments																				
KB-210	6/18/00	3:35 PM	144	157	36	36	5	Stream	9.5	10.6	93.3%	160	208	7.0	7.5	0.10	1.0			
Data Entry Comments																				
<u>Sub-watershed (Bay, Stream, Lake, Slough):</u> China Poot Bay																				
KB-877	5/2/00	7:00 PM	13	39	24	24	5	Bucket	7.0	10.1	82.7%	32.1	1,999	203	8.4	8.0	0.00	0.0		
Data Entry Comments																				
KB-877	5/29/00	2:25 PM	39	13			2.5	Bucket	11.0	11.2	101.3%	32.3	1,999	267	8.1	8.5				
Data Entry Comments																				
No color data recorded. No nutrient data and no bacteria data.																				
KB-877	7/30/00	10:30 AM	13	39	93	1	5	Bucket	13.0	9.5	89.8%	29.3	1,907	198	8.0	8.5	0.00	0.0		
Data Entry Comments																				
Calibration for Hanna Meter pH not complete. No stop temp. for Hanna meter recorded. Nutrient kit #'s reversed. No bacteria data.																				
<u>Sub-watershed (Bay, Stream, Lake, Slough):</u> Diamond Creek																				
KB-1100	4/30/00	12:55 PM	14	15	96	91	25	Bucket	7.0	10.5	86.5%	29.6	1,999	148	8.3	8.5	0.00	0.0	0	
Data Entry Comments																				
slight wind speed = 1-3																				
KB-1100	5/13/00	10:10 AM	15		56	91	25	Bucket	3.5	11.7	88.4%	1.7	1,999	179	7.6	7.5	0.00	0.0	0	
Data Entry Comments																				
KB-1100	5/28/00	4:03 PM	15		48	63.5	15	Bucket	11.8	9.4	88.5%	15.3	1,999	190	6.4 ^b	8.0	0.00	0.0	0	
Data Entry Comments																				
metered pH would not calibrate																				