

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

*** WATERBODY ***

Name of Waterbody: Dog Salmon and TRIBS (ADFE # 103-60-10570)

Location or Lat/Long: ~~55° 20' 55" N 133° 03' 05" W~~ 55° 20' N 133° 07' W PORT SAINT NICHOLAS

Waterbody Type: River/Stream Lake Fresh Wetland Tidal Wetland Estuary Coastal Shoreline Groundwater

Waterbody Size: 4.7 Miles to Port Inlet

Acres/Hectares _____
Acres/Hectares _____
Square Miles _____
Square Miles _____

ADEC USE ONLY
3041: N L M S
WQL: 0 - N
1 - PS
2 - NPS
3 - WQS
4 - Con/Ent
ID#: _____

Segment of Waterbody Addressed:
From: _____
To: _____
Other Description: _____
Size of Segment: unknown

USGS Hydrologic Unit #: AK 190 10103-035

*** ASSESSMENT ***

Describe Source of Pollution and Documentation Provided:
destabilization of stream channel due to logging and road building activity

Type of Documentation (Attached If Possible):
 Water quality data Written report
 Documented oil spill Field notes
 Enforcement action Overflight
 Photos with documentation Observation
 Photos without documentation Other

Assessment type:
 Monitored
 Evaluated

Violation of Water Quality Standards:
 Past Violation Documented Impaired - Past
 Current Violation Documented Impaired - Current
 Current Violation Suspected Suspected
 Future Violation Projected Unimpaired

Comments: _____

Author of This Assessment: D. Sturdevant Affiliation: ADIEC Date: 89 07
YY/MM

Meets Clean Water Act Goals:

- Fishable
- Not Fishable
- Fishable Not Attainable
- Swimmable
- Not Swimmable
- Swimmable Not Attainable

Impaired Uses:

FRESHWATER

- Drinking
- Agriculture
- Aquaculture
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife

MARINE

- Aquaculture
- Seafood Processing
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife
- Harvest of Fish, Shellfish

Support of Designated Uses:

- One or More Uses Not Supported (Impaired)
- One or More Uses Partially Supported (Partially Impaired)
- One or More Uses Suspected to Be Affected (Suspected)
- One or More Uses Projected to Become Affected (Projected)
- All Uses Fully Supported, sources present (Unimpaired)
- All Uses Fully Supported, no sources present (Unimpaired)

Trophic Status:

- Oligatrophic
- Mesatrophic
- Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

Trophic Trend

- Improving
- Stable
- Deteriorating

*** TOXICS ***

Monitored for Toxics: Yes No

Type of Toxics Monitoring:

- 1 Organics in water column
- 2 Organics in sediments
- 3 Organics in fish tissue
- 4 Organics in discharges
- 5 Pesticides in water column
- 6 Pesticides in sediments
- 7 Pesticides in fish tissue
- 8 Pesticides in discharges
- 9 Metals in water column
- 10 Metals in sediments
- 11 Metals in fish tissue
- 12 Metals in discharges
- 13 Other inorganics in water column
- 99 Other inorganics in sediments
- 99 Other inorganics in fish tissue
- 14 Other inorganics in discharges
- 15 Toxicity testing of water column
- 16 Toxicity testing of sediments
- 17 Toxicity testing of discharges

Fish and Shellfish Contamination:

- 0 None detected
- 1 Contaminated fish
- 2 Fishing advisory
- 3 Fishing ban
- 4 Fish abnormalities
- 5 Shellfish restrictions due to pathogens
- 6 Fish kill

Pollutants: (H = High, M = Medium, S = Slight)

- | | | |
|--|--|---|
| <input type="checkbox"/> 0 Cause Unknown | | |
| <input type="checkbox"/> 1 Unknown toxicity | | |
| <input type="checkbox"/> 2 Pesticides | Type _____ | |
| <input type="checkbox"/> 3 Priority organics | Type _____ | |
| <input type="checkbox"/> 4 Nonpriority organics | Type _____ | |
| <input type="checkbox"/> 5 Metals | Type _____ | |
| <input type="checkbox"/> 6 Ammonia | <input type="checkbox"/> 12 Organic enrichment | <input type="checkbox"/> 18 Radiation |
| <input type="checkbox"/> 7 Chlorine | <input type="checkbox"/> 13 Salinity/TDS/Chlorides | <input type="checkbox"/> 19 Oil and Grease |
| <input type="checkbox"/> 8 Other inorganics | <input type="checkbox"/> 14 Thermal modifications | <input type="checkbox"/> 20 Taste and Odor |
| <input type="checkbox"/> 9 Nutrients | <input type="checkbox"/> 15 Flow alteration | <input type="checkbox"/> 21 Suspended solids |
| <input type="checkbox"/> 10 pH | <input type="checkbox"/> 16 Habitat alteration | <input type="checkbox"/> 22 Noxious aquatic plants |
| <input checked="" type="checkbox"/> 11 Siltation | <input type="checkbox"/> 17 Pathogens | <input checked="" type="checkbox"/> 23 Filling and draining |

Sources of Pollutants: (H = High, M = Medium, S = Slight)

Point Sources

- 1 Industrial
- 2 Municipal
- 3 Municipal pretreatment
- 4 Combined sewers
- 5 Storm sewers
- 6 Other dischargers

Resource extraction/exploration

- 51 Surface mining
- 52 Subsurface mining
- 53 Placer mining
- 54 Dredge mining
- 55 Petroleum activities
- 56 Mill tailings
- 57 Mine tailings

Nonpoint Sources

- 9 Unspecified

Land Disposal (Permitted Activities)

- 61 Sludge
- 62 Wastewater
- 63 Landfills
- 64 Industrial land treatment
- 65 Onsite wastewater systems
- 66 Hazardous waste
- 67 Septage disposal

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 holding areas
- 19 Manure lagoons

Hydrologic Modification

- 71 Channelization
- 72 Dredging
- 73 Dam construction
- 74 Flow regulation/modification
- 75 Bridge construction
- 76 Removal of riparian vegetation
- 77 Streambank modification
- 78 Draining/filling of wetlands

Silviculture

- 21 Harvest, restoration
- 22 Forest management
- 23 Road construction/maintenance

Construction

- 31 Highway/road/bridge
- 32 Land development

Other

- 81 Atmospheric deposition
- 82 Waste storage/storage tank leaks
- 83 Highway maintenance and runoff
- 84 Spills
- 85 In-place contaminants
- 86 Natural
- 87 Recreational activities
- 88 Upstream impoundment
- 89 Salt storage sites
- 99 Septic tank seepage

Urban Runoff

- 41 Storm sewers
- 42 Combined sewers
- 43 Surface runoff

Source Unknown

- 90 Source Unknown

DESCRIBE POLLUTANTS AND POLLUTANT SOURCES. THE BASIS FOR THE DETERMINATION THAT A WATERBODY IS IMPAIRED MUST BE EXPLAINED IN THIS SECTION. DESCRIBE THE NATURE OF THE VIOLATION OF WATER QUALITY STANDARDS, INCLUDING DATA OR OTHER DOCUMENTATION IN RELATION TO STANDARDS. ALSO DESCRIBE WHETHER THE VIOLATION IS CONSIDERED PAST OR CURRENT, AND OTHER RELEVANT INFORMATION.

fast Logging practices has caused considerable harm to
areas while the current road building is causing
still more damage and sedimentation.
SEE Attached to short Form.

Multiple horizontal lines for additional handwritten text.

Point Sources:

NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes No
Pollutant: _____

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NPDES Permit Name: _____
Causes Nonattainment: Yes No
Pollutant: _____

Nonpoint Sources:

Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

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Nonpoint Source Type: _____
Nonpoint Source Description: _____

18

Done
7-10-89
DCS

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT
SHORT DATA FORM

Name of Waterbody: 103-60-10570 Dog Salmon + Tribs

Location or Lat/Long: Port St Nicholas, Prince of Wales Is

Waterbody Type:

- River/Stream
- Lake
- Fresh Wetland
- Tidal Wetland
- Estuary
- Coastal Shoreline
- Groundwater

Waterbody Size:

- Miles unknown
- Acres/Hectares
- Acres/Hectares
- Square Miles
- Square Miles

10103-035

Road construction
Not T #

Segment of Waterbody Addressed:

From: _____

To: _____

Other Description: _____

Size of Segment: unknown

Describe Source of Pollution and Documentation Provided: _____

Type of Documentation (attached if possible):

- Water quality data
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- Observation
- Other

F+G Memo, 12-20-85

Comments: Heavy destabilization of stream channel due to
lossing in addn to road prob

Heavy alder growth along stream

Presumed cleaned up

Author of This Assessment: D. Steurdevant Affiliation: ADEC Date: 7-10-89

Pollutants: (H = High, M = Medium, S = Slight)

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- 1 Unknown toxicity
- 2 Pesticides: Type _____
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- 4 Nonpriority organics: Type _____
- 5 Metals: Type _____
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STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

BILL SHEFFIELD, GOVERNOR

415 Main Street, Room 208
Ketchikan, Alaska 99901
(907) 225-2027

November 22, 1985

City of Craig
P. O. Box 23
Craig, Alaska 99921

URS Engineers
9309 Glacier Highway, Suite B102
Juneau, Alaska 99801

Dear Sirs:

Re: Notice of AS 16.05.870 and AS 16.05.840 violations for
unauthorized instream work in Dog Salmon Creek and
adjacent tributary.

2.5 mi On November 18, 1985, while conducting routine Forest
Practices field work, we observed some of the City of Craig's
recent road development activities below Sunny Hay Mountain
southeast of Craig. Upon closer inspection of the road it was
found that two Title 16 violations had occurred sometime
within the recent past.

In one instance a small but productive coho rearing stream
about 200 feet west of Dog Salmon Creek has been heavily
impacted by instream activities involving recent subgrading
activities. The roadwork has completely covered the former
stream channel, blocked fish passage and dewatered the
available downstream habitat. Flows presently french-drain
through the subgrade and remain subterranean downstream from
the crossing. The coho rearing habitat in Dog Salmon Creek
appears to have been all but eliminated by cat-logging of the
stream two or three decades ago and shows very little sign of
recovering from this impact. The adjacent small tributary,
until recently, provided some of the best coho rearing habitat
we observed in the Dog Salmon Creek system. Numerous fry were
observed using the habitat upstream from the crossing on
November 18. This tributary is not listed in the Anadromous
Waters Catalog, but fish passage must be provided pursuant to
AS 16.05.840.

The other violation occurred at Dog Salmon Creek, cataloged
stream #103-60-10570. In this case a caterpillar, and
possibly other equipment, had crossed back and forth over the

November 22, 1985

main stream and had begun subgrading adjacent to the east bank. The site of the crossing and the habitat downstream provides an important spawning area for pink and coho salmon. As the stream is delineated in our Anadromous Waters Catalog, it is given protection pursuant to AS 16.05.870. The unauthorized instream work was a violation of this statute.

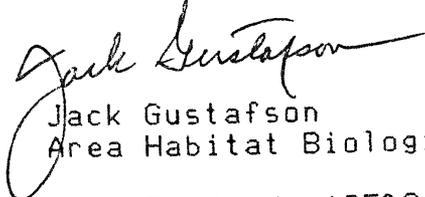
It was disappointing to discover that an alignment had been selected and work had begun on this project without prior recent coordination with our Department. In our November 7, 1985, letter to URS Engineers (with a copy to the City of Craig) we identified fisheries habitat along the proposed alignments and clearly specified that prior authorizations from our Department would be necessary for instream work at both locations indicated above. In June of 1984 we had sent a copy of Alaska Statute 16.05.870, several Title 16 applications and a Coastal Project Questionnaire to URS Engineers. However, we never received completed copies of these applications or a survey map indicating the selection of an alignment and did not have prior knowledge of the specific instream activities that occurred.

We have not yet decided what our course of action will be for these activities. In the meantime, please inform us of the specifics of how this occurred. We will also need a drainage structure/restoration plan for the uncataloged tributary and notifications of any proposed future instream work.

Incidentally, during this field inspection we also noticed what appears to be an obvious potential road washout. This is not a Fish and Game violation, and may not impact the downstream salmon habitat if it occurs, but you may be concerned with it from a road integrity perspective. The two 48" CMPs installed at the crossing above the cataloged portion of stream #103-60-10540 appear to be undersized for this drainage, restrict the bedload movement of this highly aggrading stream, and will probably cause a road washout in the relatively near future. You may want to take corrective action before this happens.

If there are any questions please call us at 225-2027.

Sincerely,


Jack Gustafson
Area Habitat Biologist

cc: R. Reed, ADF&G, Juneau
Sgt. Demmert, FWP, Ketchikan
G. Charles, Shaan Seet, Craig
L. Christian, Shaan Seet, Craig
B. Hanson, ADNR, Ketchikan
G. Miller, ADEC, Ketchikan

MEMORANDUM

State of Alaska

TO: Rick Reed
 Regional Supervisor
 Habitat Division
 Department of Fish and Game
 Juneau

DATE: December 20, 1985

FILE NO:

TELEPHONE NO: 225-2027

FROM: Jack Gustafson *JG*
 Area Habitat Biologist
 Habitat Division
 Department of Fish and Game
 Ketchikan

SUBJECT: City of Craig Title 16
 Violations

Attached is the City of Craig response to our November 22 letter of violation. The 870 violation took place during our normal operating window, so damage there was probably minimal (though unnecessary). As they destroyed the 840 rearing stream, I guess they didn't know what to look for and were not able to find it. I discovered the violations by finding this stream in the field, with rearing coho upstream, and think it quite possibly can be rehabilitated and fish passage once again reestablished.

My search of the files revealed that Don Cornelius had also found the stream and identified it in a memo to URS/Craig in 1984. The URS engineer blew it and didn't designate it in blue-line profiles for a drainage structure or fish passage. I think our documentation is good enough that they wouldn't stand a chance in court, and would probably just plead no contest once we showed them the documentation. However, if we can get the rearing stream producing again, then I guess we've met our objective. The next time I have a Shaan Seet logging inspection, I'll give Dave Palmer a call and we will hopefully agree on a plan to get the stream reestablished and a drainage structure installed. Let me know if you think it should be handled any differently.

Attachments

P.S. Dave Palmer doesn't seem to realize it yet, but I think URS is really giving then substandard service with regards to this road. I would estimate there is about a 95% chance the two 48" CMPs will wash out within 5 years. The inlets are already about 30% plugged with bedload and the road has only been in for about 5 months. The city waterline is buried in the road above the CMPs, rather than beneath them. When a washout occurs the waterline will go with it.

Jack I will not let URS get away with this! I will get it fixed!

HABITAT
 RECEIVED

DEC 23 1985

REGION 1
 JUNEAU

RECEIVED
 1-6-86
 HABITAT

