

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

SHORT DATA FORM

Name of Waterbody: Hoadley Creek

Location or Lat/Long: Ketchikan

Waterbody Type:

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

Waterbody Size:

- 1 Miles
- _____ Acres/Hectares
- _____ Acres/Hectares
- _____ Square Miles
- _____ Square Miles

Segment of Waterbody Addressed:

From: _____

To: _____

Other Description: Near mouth of stream

Size of Segment: _____

Describe Source of Pollution and Documentation Provided:

Individual poured concrete slab infringing on creek

NOV on file, ADF+G, Habitat, Ketchikan - Jack Gustafson

Type of Documentation (attached if possible):

- | | |
|---|---|
| <input type="checkbox"/> Water quality data | <input type="checkbox"/> Written report |
| <input type="checkbox"/> Documented oil spill | <input type="checkbox"/> Field notes |
| <input checked="" type="checkbox"/> NOV, Enforcement action | <input type="checkbox"/> Overflight |
| <input type="checkbox"/> Photos with documentation | <input type="checkbox"/> Observation |
| <input type="checkbox"/> Photos without documentation | <input type="checkbox"/> Other |

ADF+G, June 89 ??

Comments: This is a replacement for misplaced form

Concrete slab infringing on stream considered to be impairment under debris standard of AWQS.

Author of This Assessment: D. Sturdevant

Affiliation: ADEC

Date: 8-15-89

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 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

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

Construction

- 31 Highway/road/bridge
- 32 Land development

Urban Runoff

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

Source Unknown

- 90 Source Unknown

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
1992 STATEWIDE WATER QUALITY ASSESSMENT**

NAME OF WATERBODY: Hoadley Creek

Location or Lat/Long: _____

Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?:
 Yes / No / Name: _____

Waterbody Type:	Waterbody Size:	Segment of Waterbody Addressed:
<input checked="" type="checkbox"/> River/Stream	_____ Miles	From: _____
<input type="checkbox"/> Lake	_____ Acres/Hectares	To: _____
<input type="checkbox"/> Fresh Wetland	_____ Acres/Hectares	Other Description: _____
<input type="checkbox"/> Tidal Wetland	_____ Acres/Hectares	_____
<input type="checkbox"/> Estuary	_____ Square Miles	Size of Segment: _____
<input type="checkbox"/> Coastal Shoreline	_____ Miles	_____
<input type="checkbox"/> Groundwater		

Period of Assessment, From: _____ **To:** _____

Type of Documentation (attach if possible):

- | | |
|---|---|
| <input type="checkbox"/> Water quality data | <input type="checkbox"/> Written report |
| <input type="checkbox"/> Documented oil spill | <input type="checkbox"/> Field notes |
| <input type="checkbox"/> NOV / Enforcement action | <input type="checkbox"/> Overflight |
| <input type="checkbox"/> Photos with documentation | <input checked="" type="checkbox"/> Observation |
| <input type="checkbox"/> Photos without documentation | <input checked="" type="checkbox"/> Other <u>interviews</u> |

Describe Source and Nature of Pollution, Documentation Provided and Other Comments:

Industrial development due to loss of stream side vegetation

storm drain that discharges polluted water into the stream every time it rains

looks like a drainage ditch rather than a stream

RESPONDENT INFORMATION:

Name: DEC **Phone:** _____ **Date:** 3/7/92
Employer: _____ **Dept:** SERO **Title:** _____
Address: _____
Education/Experience: _____

TYPE AND SEVERITY OF POLLUTANTS AND SOURCES: (Severity; H = High, M = Medium, S = Slight)

POLLUTANTS:

- | | | |
|---|---|---|
| <input type="checkbox"/> 0 Cause unknown | <input type="checkbox"/> 14 Temperature Modifications | <input type="checkbox"/> 22 Noxious aquatic plants |
| <input type="checkbox"/> 1 Unknown toxicity | <input type="checkbox"/> 15 Flow alterations | <input type="checkbox"/> 23 Filling and draining |
| <input type="checkbox"/> 2 Pesticides: | <input type="checkbox"/> 16 Other habitat alterations | <input type="checkbox"/> 24 Total toxics |
| <input type="checkbox"/> 3 Priority organics: | <input type="checkbox"/> 17 Pathogens | <input type="checkbox"/> 25 Turbidity |
| <input type="checkbox"/> 4 Nonpriority organics: | <input type="checkbox"/> 18 Radiation | <input type="checkbox"/> 26 Exotic species |
| <input type="checkbox"/> 5 Metals: | <input type="checkbox"/> 19 Oil and Grease | <input type="checkbox"/> 27 Debris, foam, scum, etc. |
| <input type="checkbox"/> 6 Ammonia | <input type="checkbox"/> 20 Taste and odor | <input type="checkbox"/> 28 Insufficient stream structure |
| <input type="checkbox"/> 7 Chlorine | <input type="checkbox"/> 21 Suspended solids | <input type="checkbox"/> 29 Arsenic |
| <input type="checkbox"/> 8 Other Inorganics | | |
| <input type="checkbox"/> 9 Nutrients | | |
| <input type="checkbox"/> 10 pH | | |
| <input type="checkbox"/> 11 Siltation/sedimentation | | |
| <input type="checkbox"/> 12 Low dissolved oxygen | | |
| <input type="checkbox"/> 13 TDS/Salinity/Chlorides | | |
| <input type="checkbox"/> 30 Other: | | |

SOURCES OF POLLUTANTS (Severity; H = High, M = Medium, S = Slight):

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:

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

Construction:

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

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
- 58 Injection wells

Urban Runoff:

- 40 Surface runoff
- 40 Storm sewers

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 of riparian vegetation
- 77 Streambank modification
- 78 Draining/filling of wetlands

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
- 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

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

LONG FORM

*** WATERBODY ***

Name of Waterbody: Hoadly Creek

Location or Lat/Long: Ketchikan

Waterbody Type:

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

Waterbody Size:

- 1 Miles
- _____ Acres/Hectares
- _____ Acres/Hectares
- _____ Square Miles
- _____ Square Miles

ADEC USE ONLY
 304I: 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: Near mouth at tidewater

Size of Segment: _____

USGS Hydrologic Unit #: AK 190

*** ASSESSMENT ***

Describe Source of Pollution and Documentation Provided:

Individual poured concrete pad that infringes on creek
NOV available from ADF+G, Jack Gustafson, Ketchikan

Type of Documentation (Attached If Possible):

- Water quality data
- Documented oil spill
- Enforcement action
- Photos with documentation
- Photos without documentation
- Written report
- Field notes
- Overflight
- Observation
- Other

Assessment type:

- Monitored
- Evaluated

Violation of Water Quality Standards:

- Past Violation Documented
- Current Violation Documented ADF+G NOV 6/89
- Current Violation Suspected
- Future Violation Projected

Waterbody Status:

- Impaired - Past
- Impaired - Current
- Suspected
- Unimpaired

Comments: _____

Author of This Assessment: D. Sturdevant Affiliation: ADEC Date: 89/8

YY/MM

Meets Clean Water Act Goals:

<input checked="" type="checkbox"/> Fishable	<input checked="" type="checkbox"/> Swimmable
<input type="checkbox"/> Not Fishable	<input type="checkbox"/> Not Swimmable
<input type="checkbox"/> Fishable Not Attainable	<input type="checkbox"/> Swimmable Not Attainable

Impaired Uses:

<u>FRESHWATER</u>	<u>MARINE</u>
<input type="checkbox"/> Drinking	<input type="checkbox"/> Aquaculture
<input type="checkbox"/> Agriculture	<input type="checkbox"/> Seafood Processing
<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Industry
<input type="checkbox"/> Industry	<input type="checkbox"/> Recreation, Contact
<input type="checkbox"/> Recreation, Contact	<input type="checkbox"/> Recreation, Secondary
<input type="checkbox"/> Recreation, Secondary	<input type="checkbox"/> Fish, Shellfish, Wildlife
<input checked="" type="checkbox"/> Fish, Shellfish, Wildlife	<input type="checkbox"/> 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:	Trophic Trend
<input type="checkbox"/> Oligotrophic	<input type="checkbox"/> Improving
<input type="checkbox"/> Mesotrophic	<input type="checkbox"/> Stable
<input type="checkbox"/> Eutrophic	<input type="checkbox"/> Deteriorating
<input type="checkbox"/> Hypereutrophic	
<input type="checkbox"/> Dystrophic	
<input type="checkbox"/> Unknown	

*** TOXICS ***

Monitored for Toxics: Yes No

Type of Toxics Monitoring:

<input type="checkbox"/> 1 Organics in water column	<input type="checkbox"/> 10 Metals in sediments
<input type="checkbox"/> 2 Organics in sediments	<input type="checkbox"/> 11 Metals in fish tissue
<input type="checkbox"/> 3 Organics in fish tissue	<input type="checkbox"/> 12 Metals in discharges
<input type="checkbox"/> 4 Organics in discharges	<input type="checkbox"/> 13 Other inorganics in water column
<input type="checkbox"/> 5 Pesticides in water column	<input type="checkbox"/> 99 Other inorganics in sediments
<input type="checkbox"/> 6 Pesticides in sediments	<input type="checkbox"/> 99 Other inorganics in fish tissue
<input type="checkbox"/> 7 Pesticides in fish tissue	<input type="checkbox"/> 14 Other inorganics in discharges
<input type="checkbox"/> 8 Pesticides in discharges	<input type="checkbox"/> 15 Toxicity testing of water column
<input type="checkbox"/> 9 Metals in water column	<input type="checkbox"/> 16 Toxicity testing of sediments
	<input type="checkbox"/> 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)

- | | | |
|---|--|--|
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H 24 Debris

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- 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.

Dept. of fish & Game issued an N.O.V. in June of 1989 for Debris in Creek, violating Title 16.

Point Sources:

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

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

Nonpoint Sources:

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

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