

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

LONG FORM

*** WATERBODY ***

Name of Waterbody: TISUK R

Location or Lat/Long: MILE 46 NOME TELLER RD.

Waterbody Type:

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

Waterbody Size:

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

ADEC USE ONLY

304: 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: Conjunction of Nome Teller Rd.

Size of Segment: 2 miles

USGS Hydrologic Unit #: AK 190 50104-015

*** ASSESSMENT ***

Describe Source of Pollution and Documentation Provided:

Gravel mining upstream of bridge for 2 miles,
instream extraction, causes problems when operating.
DOT Berms to keep river from eroding road also
cause problems when they wash out.

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
- Current Violation Suspected
- Future Violation Projected

Waterbody Status:

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

Comments: ADFCG field inspections

Author of This Assessment: S. Bralley Affiliation: ADFC/Wan Date: 8/10/89
 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:

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:

- Oligotrophic
- Mesotrophic
- Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

Trophic Trend

- Improving
- Stable
- Deteriorating

N/A

*** 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)

- | | | |
|--|---|--|
| <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 checked="" type="checkbox"/> 15 Flow alteration | <input type="checkbox"/> 21 Suspended solids |
| <input type="checkbox"/> 10 pH | <input checked="" type="checkbox"/> 16 Habitat alteration | <input type="checkbox"/> 22 Noxious aquatic plants |
| <input checked="" type="checkbox"/> 11 Siltation | <input type="checkbox"/> 17 Pathogens | <input 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.

DOT has berms in place on west side of River to keep road from washing out, equipment causes NPS problems when operating to keep berms in place.

Materials site for gravel extraction upstream of bridge for 2 miles. Materials pushed out of river with heavy loader, disrupts river. Mainly a hydrologic modification problem.

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: _____

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

SHORT DATA FORM

Name of Waterbody: TISUK R

Location or Lat/Long: _____

Waterbody Type:

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

Waterbody Size:

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

Segment of Waterbody Addressed:

From: _____

To: _____

Other Description: Mile 46 on Nome Teller Road.

Size of Segment: 2 miles of river affected

Describe Source of Pollution and Documentation Provided:

Both material sites and a river training berm to keep river from eroding road and keep it directed towards.
Material pushed out of river w/ heavy loader, disrupts river yearly, about both sides of road.

Type of Documentation (attached if possible):

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

Comments: 1979-87, then Bob McLean after.

vehicle access.

Author of This Assessment: Al Townsend Affiliation: ADFG Date: 7/4/89

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 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

Nonpoint Sources

- 9 Unspecified

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

Silviculture

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

Construction

- 31 Highway/road/bridge
- 32 Land development

Urban Runoff

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

Source Unknown

- 90 Source Unknown

Resource extraction/exploration

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

Land Disposal (Permitted Activities)

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

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

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

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

SHORT DATA FORM

Name of Waterbody: TISUK R

Location or Lat/Long: _____

Waterbody Type:

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

Waterbody Size:

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

Segment of Waterbody Addressed:

From: _____

To: _____

Other Description: Teller Road conjunction.

Size of Segment: _____

Describe Source of Pollution and Documentation Provided:

He was aware that equipment had caused problems from DOT trying to keep berms in place from to prevent the road washing out.

Type of Documentation (attached if possible):

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

Comments:

Was aware of potential problem, but has never seen actual water quality problems relating to it.

Author of This Assessment: Simon Mawson Affiliation: ADEC-Name Date: 9-31-89
(per phone conversation w/Susan Bradley 9-31)

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 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

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

SHORT DATA FORM

Name of Waterbody: TISUK R

Location or Lat/Long: _____

Waterbody Type:

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

Waterbody Size:

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

Segment of Waterbody Addressed:

From: _____

To: _____

Other Description: _____

Size of Segment: _____

Describe Source of Pollution and Documentation Provided:

DOT has beams in place on west side of river, up & down side of bridge. Blows out
Gravel mining upstream of bridge, 2 miles. About 1/2 mile. In stream, in water. Does cause problems when operating.

Type of Documentation (attached if possible):

- | | |
|--|---|
| <input checked="" 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 checked="" type="checkbox"/> Photos without documentation | <input type="checkbox"/> Other |

Comments:

Hydrologic modification problem mainly.

Author of This Assessment: Bob Maclean

Affiliation: Fairbanks ADEC

Date: 7/20/89

(per phone conversation w/ Susan Brally - ADEC)

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 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

Nonpoint Sources

- 9 Unspecified

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

Silviculture

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

Construction

- 31 Highway/road/bridge
- 32 Land development

Urban Runoff

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

Source Unknown

- 90 Source Unknown

Resource extraction/exploration

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

Land Disposal (Permitted Activities)

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

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

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

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1988 STATEWIDE WATER QUALITY ASSESSMENT

*** WATERBODY ***

AK
190
ID#: 50104 015
3041: N L M S
WQL: 0 - N
1 - PS
2 - NPS
3 - WQS
4 - Con/Enf
Stat: 1 T U
[ADEC Use Only]

Name of Waterbody: Tisuk R.

Type/Size: River/Stream _____ Miles
 Lake _____ Acres/Hectares
 Fresh Wetland _____ Acres/Hectares
 Tidal Wetland _____ Acres/Hectares
 Estuary _____ Square Miles
 Coastal Shoreline _____ Miles
 Groundwater _____

USGS Hydrological Unit #: 190- 50104 6m

Location or Lat/Long: Teller

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

*** ASSESSMENT ***

Assessment Date: Yr _____ , Mo _____ / By R² ADEC / Townsend ADFG

Sampling: Begin Yr _____ , Mo _____ / End Yr _____ , Mo _____ / By _____

Reference for Data: _____

Basis for Assessment: Assessment Category:

<input type="checkbox"/> 1 Qualitative, land use/sources	<input type="checkbox"/> Monitored (Data)
<input type="checkbox"/> 1 Qualitative, complaints/2nd hand	<input type="checkbox"/> Evaluated (Judgement)
<input type="checkbox"/> 2 Predictive models, unverified	
<input type="checkbox"/> 3 Calibrated models	
<input type="checkbox"/> 4 Fixed station data, Bio or Chem	
<input type="checkbox"/> 5 Effluent toxicity testing	
<input type="checkbox"/> 6 Limited site visit	
<input type="checkbox"/> 7 Intensive field assessment	

Next Planned Assessment: Yr _____ , Mo _____ / By _____

Comments: _____

Size-A Size-M Support Partial Not-Sup Cause-% Size-10 Size-No Why?

Meets Clean Water Act Goals:

- | | |
|--|---|
| <input type="checkbox"/> Fishable | <input 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 or Threatened Uses:

- | <u>IMP</u> <u>THR</u> - FRESHWATER | | <u>IMP</u> <u>THR</u> - MARINE | |
|------------------------------------|--|--------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> Drinking | <input type="checkbox"/> | <input type="checkbox"/> Aquaculture |
| <input type="checkbox"/> | <input type="checkbox"/> Agriculture | <input type="checkbox"/> | <input type="checkbox"/> Seafood Processing |
| <input type="checkbox"/> | <input type="checkbox"/> Aquaculture | <input type="checkbox"/> | <input type="checkbox"/> Industry |
| <input type="checkbox"/> | <input type="checkbox"/> Industry | <input type="checkbox"/> | <input type="checkbox"/> Recreation, Contact |
| <input type="checkbox"/> | <input type="checkbox"/> Recreation, Contact | <input type="checkbox"/> | <input type="checkbox"/> Recreation, Secondary |
| <input type="checkbox"/> | <input type="checkbox"/> Recreation, Secondary | <input type="checkbox"/> | <input type="checkbox"/> Fish, Shellfish, Wildlife |
| <input type="checkbox"/> | <input type="checkbox"/> Fish, Shellfish, Wildlife | <input type="checkbox"/> | <input type="checkbox"/> Harvest of Fish, Shellfish |

Support of Designated Uses:

- All Uses Fully Supported, no sources present
- All Uses Fully Supported, sources present
- One or More Uses Threatened
- One or More Uses Partially Supported
- One or More Uses Not Supported

Trophic Status:

- Oligotrophic
- Mesotrophic
- Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

Trophic Trend:

- Improving
- Stable
- Deteriorating

*** 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 |

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

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

Nonpoint Sources

- ___ 9 Unspecified

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

Silviculture

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

Construction

- ___ 31 Highway/road/bridge
- ___ 32 Land development

Urban Runoff

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

Source Unknown

- ___ 90 Source Unknown

Resource extraction/exploration

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

Land Disposal (Permitted Activities)

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

Hydromodification

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

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 Septic tank seepage

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

*** POINT AND NONPOINT SOURCES ***

Point Sources:

- 1 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes , No , Pollutant _____
- 2 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes , No , Pollutant _____
- 3 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes , No , Pollutant _____

Nonpoint Sources:

- 1 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

- 2 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

- 3 Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____
