ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
1992 STATEWIDE WATER QUALITY ASSESSMENT

NAME OF WATERBODY: Illinois Creek

Location or Lat/Long:

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

Waterbody Type:
- [X] River/Stream
- [ ] Lake
- [ ] Fresh Wetland
- [ ] Tidal Wetland
- [ ] Estuary
- [ ] Coastal Shoreline
- [ ] Groundwater

Waterbody Size:
- ≈ 10 Miles
- ____ Acres/Hectares
- ____ Acres/Hectares
- ____ Acres/Hectares
- ____ Square Miles
- ____ Miles

Segment of Waterbody Addressed:
From:
To: Confluence w/ Yukon R.
Other Description:

Size of Segment:

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

Type of Documentation (attach if possible):
- [ ] Water quality data
- [ ] Documented oil spill
- [ ] NOV / Enforcement action
- [ ] Photos with documentation
- [ ] Photos without documentation
- [ ] Written report
- [ ] Field notes
- [ ] Overflight
- [ ] Observation
- [ ] Other

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

See attached assessment sheets from 1988.

No change in stream status.

RESPONDENT INFORMATION:

Name: ____ **Phone:** ____ **Date:** ____
Employer: ____ **Dept:** ____ **Title:** ____
Address:
Education/Experience:

E. Hubbard, Water Quality Mgmt., ADEC, 410 Willoughby Ave., Juneau, AK 99801-1795 / 907-465-5306

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

POLLUTANTS:

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

1988 STATEWIDE WATER QUALITY ASSESSMENT

*** WATERBODY ***

Name of Waterbody: Illinois Creek

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

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- 40703

Location or Lat/Long: _____

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

*** ASSESSMENT ***

Assessment Date: Yr 88 , Mo 5 / By Swanson
Sampling: Begin Yr ___ , Mo ___ / End Yr ___ , Mo ___ / By _____
Reference for Data: _____

Basis for Assessment:
[] 1 Qualitative, land use/sources
[] 1 Qualitative, complaints/2nd hand
[] 2 Predictive models, unverified
[] 3 Calibrated models
[] 4 Fixed station data, Bio or Chem
[] 5 Effluent toxicity testing
[X] 6 Limited site visit
[] 7 Intensive field assessment

Assessment Category:
[] Monitored (Data)
[X] Evaluated (Judgement)

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

Comments: _____

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

*** USE STATUS ***

Meets Clean Water Act Goals:

- [X] Fishable
- [] Not Fishable
- [] Fishable Not Attainable
- [X] Swimmable
- [] Not Swimmable
- [] Swimmable Not Attainable

Impaired or Threatened Uses:

IMP	THR	FRESHWATER	IMP	THR	MARINE
[X]	[]	Drinking	[]	[]	Aquaculture
[]	[]	Agriculture	[]	[]	Seafood Processing
[X]	[]	Aquaculture	[]	[]	Industry
[]	[]	Industry	[]	[]	Recreation, Contact
[X]	[]	Recreation, Contact	[]	[]	Recreation, Secondary
[]	[]	Recreation, Secondary	[]	[]	Fish, Shellfish, Wildlife
[X]	[]	Fish, Shellfish, Wildlife	[]	[]	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
- [X] One or More Uses Partially Supported
- [] One or More Uses Not Supported

Trophic Status:

- [] Oligatrophic
- [] Mesatrophic
- [] Eutrophic
- [] Hypereutrophic
- [] Dystrophic
- [] Unknown

Trophic Trend:

- [] Improving
- [] Stable
- [] Deteriorating

*** TOXICS ***

Monitored for Toxics: [] Yes , [X] 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

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

__ 1 Unknown toxicity
__ 2 Pesticides Type _____
__ 3 Priority organics Type _____
M 4 Nonpriority organics Type _____
__ 5 Metals Type _____
__ 6 Ammonia
__ 7 Chlorine
__ 8 Other inorganics
__ 9 Nutrients
__ 10 pH
H 11 Siltation
__ 12 Organic enrichment
__ 13 Salinity/TDS/Chlorine
__ 14 Thermal modifications
H 15 Flow alteration
H 16 Habitat alteration
__ 17 Pathogens
__ 18 Radiation
__ 19 Oil and Grease
__ 20 Taste and Odor
H 21 Suspended solids
__ 22 Noxious aquatic plants
H 23 Filling and draining

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

Point Sources
H 1 Industrial
__ 2 Municipal
__ 3 Municipal pretreatment
__ 4 Combined sewers
__ 5 Storm sewers

Nonpoint Sources
M 9 Unspecified access roads/trail

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
H 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

Hydrologic Modification
H 71 Channelization
__ 72 Dredging
__ 73 Dam construction
H 74 Flow regulation/modification
__ 75 Bridge construction
H 76 Removal of riparian vegetation
H 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 ***

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: _____
_____

[Including extent of impairment of uses; significance of impacts on public health and the environment; water quality trend; efforts to control pollutants; current priority for developing pollutant controls; and adequacy of data]

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1988 STATEWIDE WATER QUALITY ASSESSMENT

*** WATERBODY ***

Name of Waterbody: Illinois Creek drainage

ID#: AK 190-40703-001

Type/Size: [] River/Stream 7.5 Miles mainstem
[] Lake ____ Acres/Hectares
[] Fresh Wetland ____ Acres/Hectares
[] Tidal Wetland ____ Acres/Hectares
[] Estuary ____ Square Miles
[] Coastal Shoreline ____ Miles
[] Groundwater

3041: N (L) M S
WQL: 0 - N
1 - PS
2 - NPS
3 - WQS
4 - Con/Enf
Stat: (I) T U
[ADEC Use Only]

PM

R^2

USGS Hydrological Unit #: 190-40703

Location or Lat/Long: see computer sheets

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

*** ASSESSMENT ***

Assessment Date: Yr 88 , Mo 4 / By LFS
Sampling: Begin Yr ___ , Mo ___ / End Yr ___ , Mo ___ / By ____
Reference for Data: ____

Basis for Assessment:
[X] 1 Qualitative, land use/sources
[] 1 Qualitative, complaints/2nd hand
[] 2 Predictive models, unverified
[] 3 Calibrated models
[] 4 Fixed station data, Bio or Chem
[] 5 Effluent toxicity testing
[] 6 Limited site visit
[] 7 Intensive field assessment

assume no ADEC site visits

Assessment Category:
[] Monitored (Data)
[] Evaluated (Judgement)

Next Planned Assessment: Yr ___ , Mo ___ / By ____

Comments: APMAs received

Size-A Size-M Support Partial Cause-% Size-5/10 Size-No Why?

*** USE STATUS ***

Meets Clean Water Act Goals:

- [] Fishable
- [✓] Not Fishable
- [] Fishable Not Attainable
- [] Swimmable
- [✓] Not Swimmable
- [] Swimmable Not Attainable

Impaired or Threatened Uses:

IMP	THR	- FRESHWATER	IMP	THR	- MARINE
[✓]	[]	Drinking	[]	[]	Aquaculture
[✓]	[]	Agriculture	[]	[]	Seafood Processing
[✓]	[]	Aquaculture	[]	[]	Industry
[]	[]	Industry	[]	[]	Recreation, Contact
[✓]	[]	Recreation, Contact	[]	[]	Recreation, Secondary
[✓]	[]	Recreation, Secondary	[]	[]	Fish, Shellfish, Wildlife
[✓]	[]	Fish, Shellfish, Wildlife	[]	[]	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: Lakes only

- [] 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

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

__ 1 Unknown toxicity
__ 2 Pesticides Type _____
__ 3 Priority organics Type _____
__ 4 Nonpriority organics Type _____
M 5 Metals Type _____
__ 6 Ammonia
__ 7 Chlorine
M 8 Other inorganics
__ 9 Nutrients
__ 10 pH
H 11 Siltation
__ 12 Organic enrichment
__ 13 Salinity/TDS/Chlorine
__ 14 Thermal modifications
H 15 Flow alteration
H 16 Habitat alteration
__ 17 Pathogens
__ 18 Radiation
__ 19 Oil and Grease
__ 20 Taste and Odor
H 21 Suspended solids
__ 22 Noxious aquatic plants
__ 23 Filling and draining

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

Point Sources
H 1 Industrial
__ 2 Municipal
__ 3 Municipal pretreatment
__ 4 Combined sewers
__ 5 Storm sewers

Nonpoint Sources
__ 9 Unspecified

Agriculture
__ 11 Non-irrigated crop production
__ 12 Irrrigated 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
H 53 Placer mining
__ 54 Dredge mining
__ 55 Petroleum activities
__ 56 Mill tailings
H 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
H 71 Channelization
__ 72 Dredging
__ 73 Dam construction
H 74 Flow regulation/modification
__ 75 Bridge construction
H 76 Removal of riparian vegetation
H 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 ***

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
✓ 7 Unknown

*** POINT AND NONPOINT SOURCES ***

Point Sources:

1 NPDES Permit Number: See computer sheets
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: See notes
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: _____

*** COMMENTS ***

[Including extent of impairment of uses; significance of impacts on public health and the environment; water quality trend; efforts to control pollutants; and current priority for developing pollutant controls]

zero priority

File: APMA1

305(b) Report summary of Illinois Creek miners with NPDES permit numbers

Printed on 4/13/88

Selection Criteria: STREBASI = "Illinois*"

Auth. Rep. Last	First	Operating Company	Yr	Priority Stream	Creek(s)	NPDES #	Legal Location
Ramstad	Phillips	Yukon Mining Company, Inc.	85	0	Golden		T6N, R25W, FM
Ramstad	Joel S.	Yukon Mining Co., Inc.	86	0	Golden		T6N, R26W, FM
Ramstad	John S.	Yukon Mining Company, Inc.	87	0	Golden	AK0033723	T2S, R28E, KRM
Ramstad	R. G.	Yukon Mining Company, Inc.	87	0	Golden	AK0033723	T6N, R26W, FM
Ramstad	J.S.	Yukon Mining Company, Inc.	88	0	Golden	AK0033723	T2S, R28E, KRM
Ramstad	J.S.	Yukon Mining Company, Inc.	88	0	Golden	AK0033723	T6N, R26W, FM
Ramstad	Phillip & Joel	Yukon Mining Co., Inc.	85	0	Golden, Illinois	AK0033723	T2S, R28E, KRM
Ramstad	P. J.	Yukon Mining Co., Inc.	86	0	Golden, Illinois		T2S, R28E, KRM

Printed on 4/11/88
Selection Criteria: ALL

Stream Basin	Creek(s)	Legal Location	USGS Quad	Mining District
Illinois Creek	Golden	T2S, R28E, KRM	Melozitna	Melozitna
	Golden	T2S, R28E, KRM	Melozitna	Melozitna
	Golden	T6N, R25W, FM	Tanana	Melozitna
	Golden	T6N, R26E, FM	Tanana	Melozitna
	Golden	T6N, R26W, FM	Melozitna	Melozitna
	Golden	T6N, R26W, FM	Tanana	Melozitna
	Golden, Illinois	T2S, R28E, KRM	Melozitna	Melozitna
	Golden, Illinois	T2S, R28E, KRM	Melozitna	Melozitna