FISH & GAME

OCT 16 1992

REGION II
HABITAT DIVISION

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

251-20-malin03

AWC Volume SE SC (SW) W AR IN USGS Quad Afognak (A-3) Alaska

Anadromous Water Catalog Number of Waterway 251-20-10025

Name of Waterway Fire Creek USGS name ____ Local name ✓

Addition ✓ Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination # 93 122	[signature] Regional Supervisor — 11/3/92 Date
Revision Year: -93	
Revision to: Atlas ____ Catalog ____ Both X	E. W. Eiss — 12/30/92
Revision Code: A-2	J. Stone — 1/12/93 Drafted Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Pink Salmon	8-30-92	✓			✓

Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Attach a copy of the fish survey data, if available. Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls.

Comments:

Stream width is four meters. The spawning habitat of this stream consists of a lagoon approximately 120 meters in length with an additional 60 meter section upstream of the upper intertidal zone to the base of a twelve foot waterfall. Pink salmon were observed spawning in the entire lagoon/stream up to the twelve foot falls, which is a total barrier

Name of Observer (please print) Katrin Sundet, Nancy Magnus, Mark Fink, Jeff Barnhart

Date: 10-5-92 Signature: Jeff Barnhart

Address: ADF&G Habitat Division, Anchorage

Signature of Area Biologist: ____

Rev. 12/91

FISH HABITAT ASSESSMENT 1992

FORM 1: STREAM

ver 062692.0

STREAM#: 251 20 MALIN 03 DATE: 8/30/92

STREAM NAME: FIRE CREEK

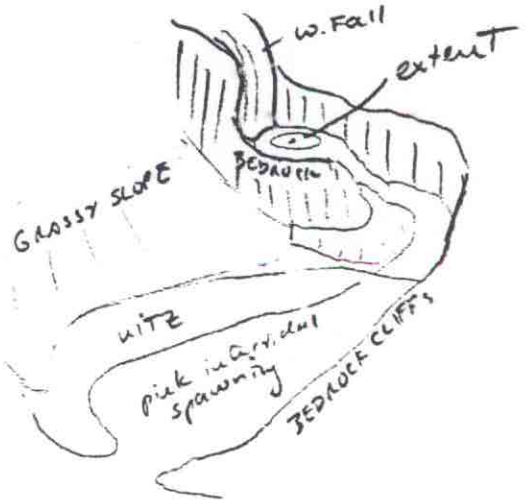
LOCATION: MALINA BAY

MOUTH-LATITUDE: 58 12 49.3 MOUTH-LONGITUDE: 152 59 50.3

TEAM: MFSB STAGE: H__ M ✓ L__

COMMENTS: This stream consists mostly of a lagoon (~120m long), and a 60 m section above the uitz. The lagoon is a pink spawning area, and we observed pink salmon in the pool below the barrier - waterfall. Above the fall the stream is very steep and incised.

SKETCH:



FISH HABITAT ASSESSMENT 1992

FORM 2: SECTION

ver 062692.

STREAM#: 251 20 MALIN 03 SECTION: MS

DATE: 8/30/92 METHOD: FOOT DIREC: UP ✓ DOWN ___

START LAT: 58 12 48.8 START LON: 152 59 37.3

END LAT: 58 12 46.6 END LON: 152 59 34.2

LENGTH (m): ~~48m~~ 60 WIDTH (m): 4 GRADIENT (%): 3

BANK TYPE: INCISED STREAM DEBRIS: NONE

BANK VEGETATION: Spruce, Devils Club, grass, Alder

STREAM SUBSTRATE: GR CO BE

BANK SUBSTRATE: BE GR

CHARACTER: Swift stream from pool beneath 12' fall with good spawning gravel into intertidal pink spawning area.

COMMENTS: Undiscern pink spawning intertidally in lagoon. Saw 1 pink adult in pool beneath falls. 60 m from pool to UITZ. The lagoon mouth LAT/LON is 58 12 49.3 / 152 59 50.3

GPS FILENAME: AØ830233 TOTAL BARRIER? Y ✓ N ___

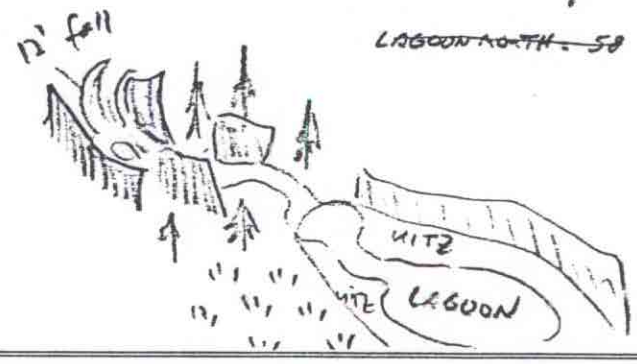
STREAM TYPE: A ✓ B ___ C ___

IF BARRIER IS TOTAL, LAT: 58 12 46.6 LON: 152 59 34.2

SKETCH: cond 9 Temp 48°F

GPS start on pt. 4

~~LAGOON MOUTH: 58~~



Substrate: BOulder >1ft CObble 2-12" GRavel .1-2" SAnd <.1"
SIlt/clay/mud BEdrock (solid)

FISH HABITAT ASSESSMENT 1992

FORM 3: STATION

ver 062692.0

STREAM#: 25120 MALIN Ø3 SECTION: MS

STATION: 1 DATE: 8/30/92 GPS-ID: AØB3Ø23B FIX:

STATION-LAT: 58 12 46.6 STATION-LON: 152 59 34.2

GEAR: NONE TIME-INT: – TIME-UNIT: –

CONDUCT: 9 AREA SHOCKED (sqm): Ø

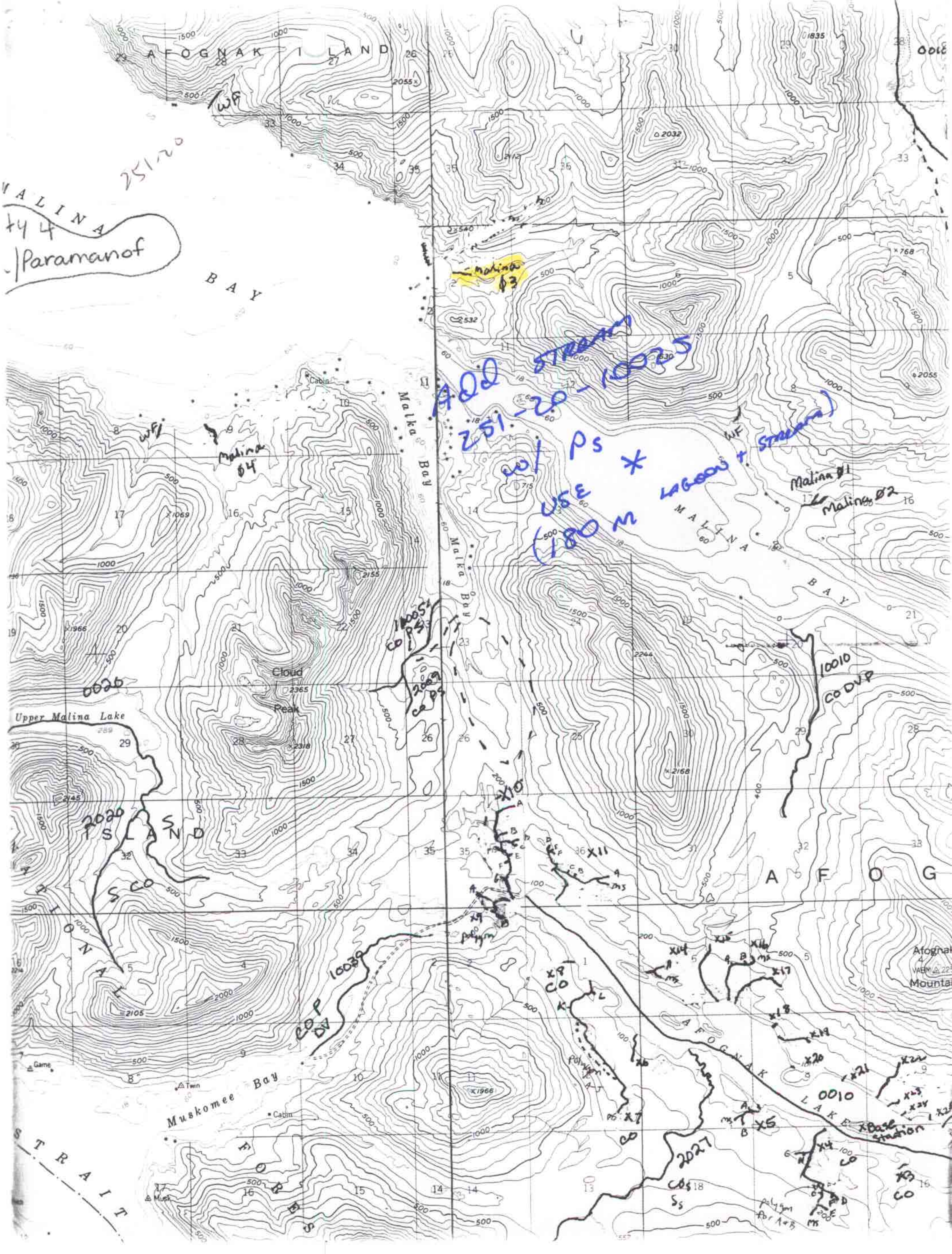
FISH

SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
Pink Salmon	Adult	1	

WILDLIFE

SPECIES	COUNT	COMMENTS

STATION COMMENTS:


AFOGNAK ISLAND
MALINA BAY
Paramanof
251-20
Malina 03
ADD STREAM 251-20-10025 w/ PS
USE * (180 M LAGOON + STREAM)
Malka Bay
Cabin
WF
Malina 04
Malina 01
Malina 02
MALINA BAY
10005 CO PS
2009 CO PS
Cloud Peak
0020
Upper Malina Lake
2020 S
ISLAND
S CO
10010 CO DV P
X10
X11
AFOG
Afognak Mountain
polygon
10039 CO P DV
X8 CO
X6
X7 CO
X5
X4 CO
X3 CO
X14
X15
X16
X17
X18
X19
X20
X21
X22
X23
X24
AFOGNAK LAKE
0010
X Base station
2027
CO S S
polygon for A+B
Game
Twin
Muskomee Bay
Cabin
Musk
NATIONAL FOREST
STRAIT

LINA03

LAGOON
Close
join
Fall
pool
There was a sharp turn to the N, below the fall.