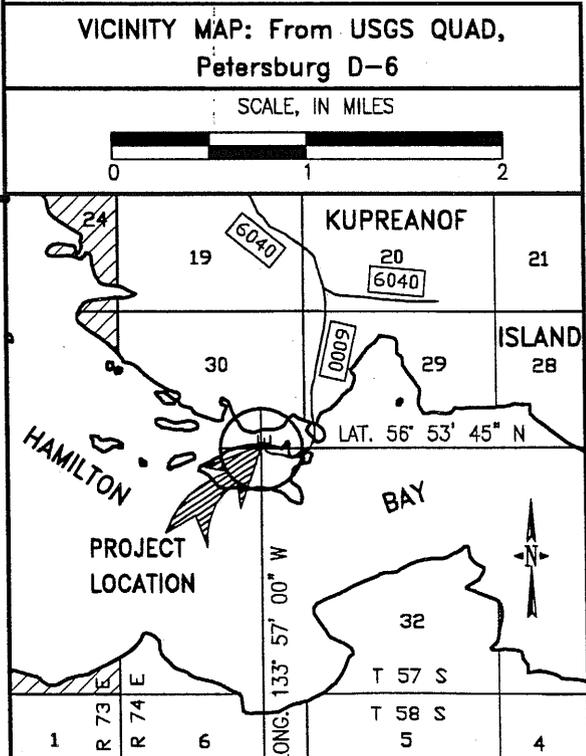
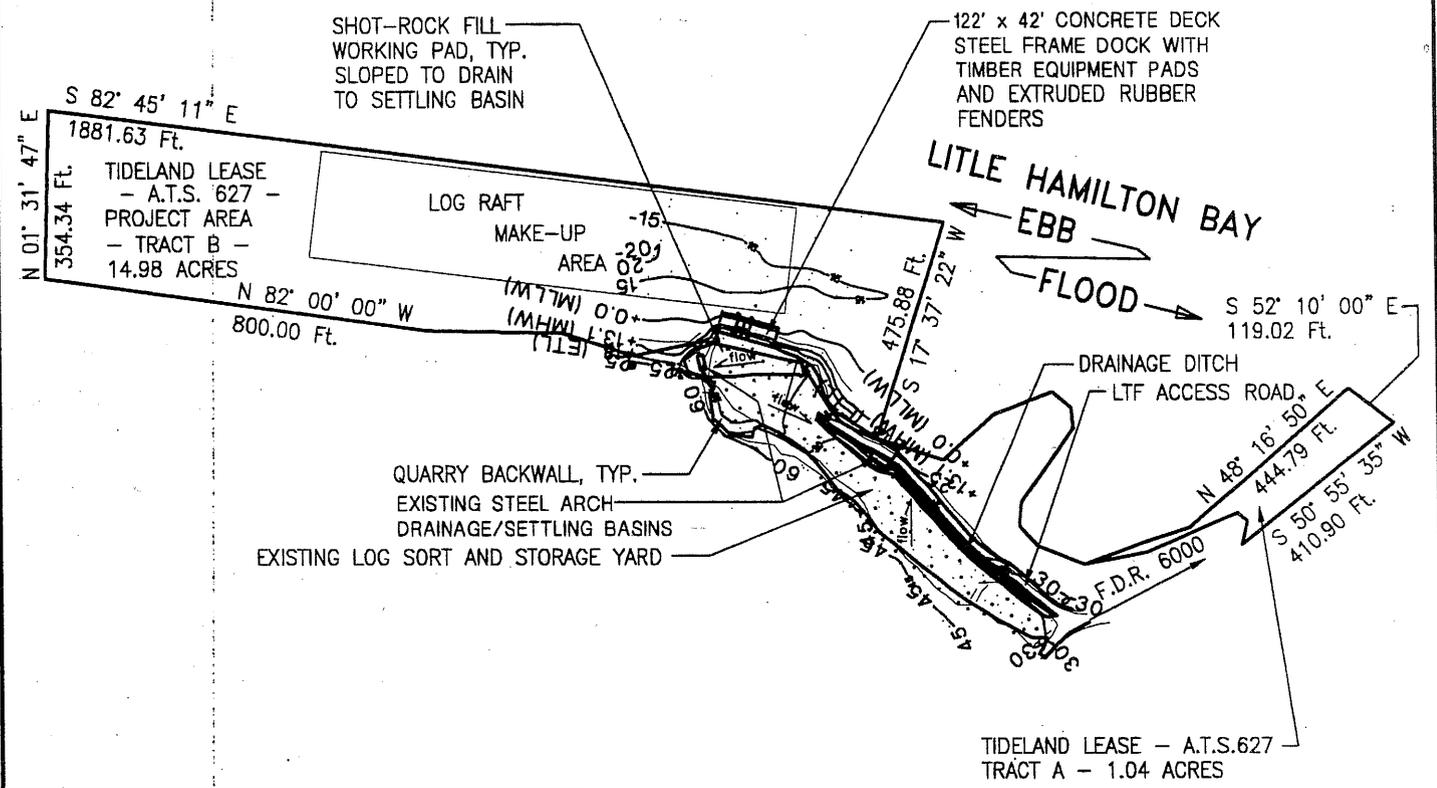


MEANDER COURSES NOT SHOWN ON THIS DRAWING FOR DETAILED MEANDER DATA, SEE "A.T.S. 627", RECORDED AS "PLAT XX-X", PETERSBURG RECORDING DISTRICT

<40' : ~ -20



PLAN VIEW

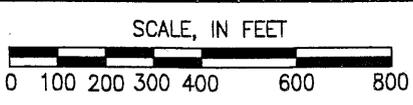
BASIS OF ELEVATION:

TIDAL DATUM, "KAKE - KEKU STRAIT", U.S. COAST & GEODETIC SURVEY MONUMENT:

EXTREME HIGH TIDE (ETL): 18.0 Ft.

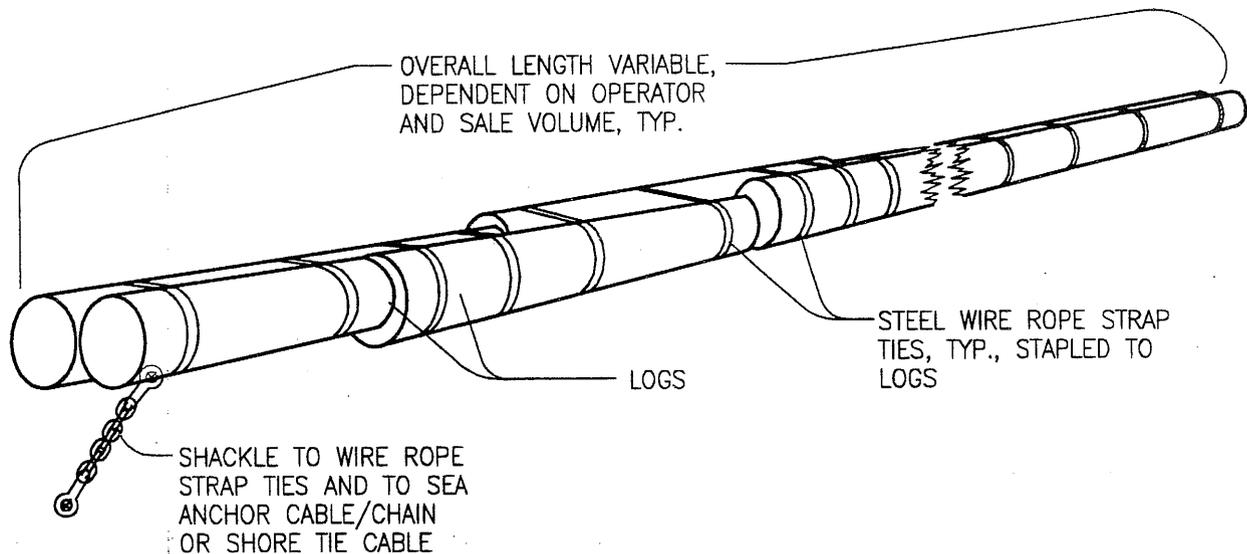
MEAN HIGH WATER (MHW): 13.1 Ft.

MEAN LOWER LOW WATER (MLLW): 0.0 Ft.

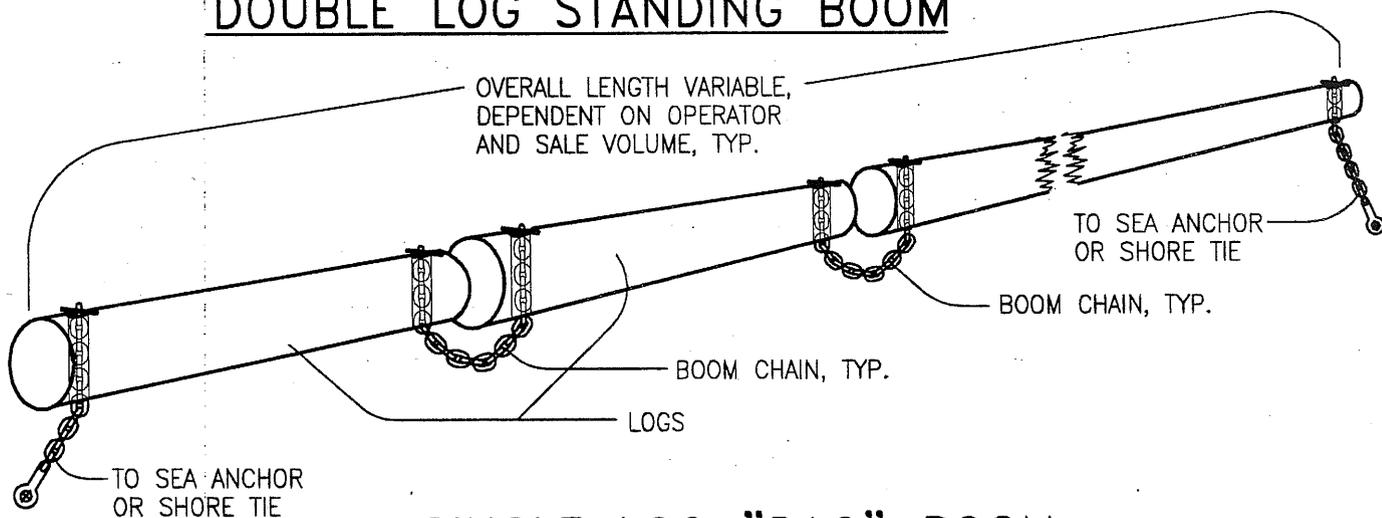


DATE: 5-29-2001	APPLICANT: M. Parker USDA Forest Service
LITTLE HAMILTON BAY LOG TRANSFER FACILITY	
ENVIRONMENTAL PROTECTION AGENCY NPDES GENERAL PERMIT	
SEC(s). 30, WITHIN T. 57 S., R. 74 E., CRM	

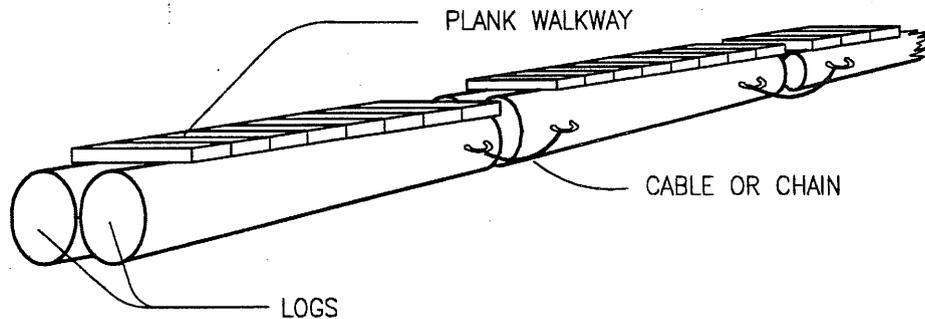
DRAWN BY: K. ELMORE



DOUBLE LOG STANDING BOOM



SINGLE LOG "BAG" BOOM



DOUBLE LOG STIFFLEG

NOTE:
 TIMBER OPERATORS MAY USE ANY OR ALL OF THE TYPICAL BOOMS ILLUSTRATED, DEPENDENT ON THE OPERATOR'S EQUIPMENT AND/OR THE VOLUME OF TIMBER BEING HARVESTED. ALL THREE OF THE BOOMS ILLUSTRATED MAY BE TIED TO SHORE WITH WIRE ROPE OR CONNECTED TO SEA ANCHORS.

PURPOSE:

CONTAINMENT OF LOGS TRANSFERRED TO WATER AND LOG RAFT MAKE-UP

STANDARD LOG BOOMS TYPICAL DETAILS

NO SCALE
 DRAWN BY: K. ELMORE

DATE: 05-31-2001

APPLICANT: M. Parker
 USDA Forest Service

LITTLE HAMILTON BAY LOG TRANSFER FACILITY

ENVIRONMENTAL PROTECTION AGENCY
 NPDES GENERAL PERMIT

SECS. 29 & 30, WITHIN T. 57 S., R. 74 E., CRM

Notification Checklist (AK-G70-0000)

LTF Name: HAMILTON EAY Operator: USFE

Facility New? ? Yes X No ? Commence date
PRE-85 N/A EPA NPDES # ? DNR Lease #

Landowner: X Name X Representative
X Address ? Title*
X Phone ? Phone*
X FAX ? Email*

Operator: X Name X Rep
X Address ? Title*
X Phone ? Phone*
X FAX ? Email*

X COE 404 #: X Sec.10 #: X Waterbody Name X Issue date(s)
X LTF Name X Address ? Phone ? FAX
X Lat/Long X Nearest town X Physical location

X Nautical chart
X Vicinity map
X Plan drawing
X Elevation/cross section
X BMP narrative X Barge assmt. X Description of operations
X Antideg. soc/ec demonstration X Antideg. use protection demonstration
PRE-85 N/A Previous bark surveys

N/A Kenai Borough affirmation
N/A Parks/Refuges authorizations
? Waiver request for ATTF ? Waiver request for 40' depth

Facility Class: X Onshore LTF N/A Offshore LTF X Transfer method
YES 303d/305b X Type I-V ? Type VI

Production Data: X Life years X Months operation
Volume: X Max 5-year X Avg. year X Max year

X Predischarge survey
? Excluded areas noted
? ATTF areas noted
N/A Kodiak or Afognak USFWS approval for Steller's eider
X Signature certification (name/title/date)

NOI Complete (date): 4/30/01 By: KA

NO MENTION OF 303d LISTING, NOR OF COMPLIANCE W/ATTF SIGNING GUIDELINES.

Notification 0019
To be covered under the General NPDES Permit AK-G70-0000 for
Log Transfer Facilities in Alaska
 (see Part V of the permit)

Submission of this document constitutes a request that certain discharges into waters of the United States resulting from the operation of the log transfer facility identified herein be authorized under General NPDES Permit AK-G70-0000.

Previously Assigned NPDES Permit No. (if applicable):

NPDES Permit No. AK-G70-0 _____
 (to be assigned by EPA)

Landowner Information

Landowner Name: USDA Forest Service Alaska Region Tongass National Forest

Address: 648 Mission Street, Federal Building
 Ketchikan, AK 99901

Phone: (907) 228-6200

FAX: (907) 228-6292

Representative: THOMAS PUCHLERZ

Operator Information

Company Name: Viking Lumber Company Inc.

Address: P.O. Box 670

Craig, AK 99921

Phone: (907) 755-8880

FAX: (907) 755-8888

Representative: Kirk Dahlstrom

Facility Information

Section 404 Permit No., Facility Name on Permit, and Issuance Date: 071-OYD-2-810493, Hamilton Bay, 05/12/1982

Waterway Name: Keku Strait 26

Facility Name: Hamilton Bay

Address: SE ¼ of Sec. 30, T.57S., R.74E., C.R.M.

Phone: N/A

FAX: N/A

Latitude/Longitude: 56°53'46" N/ 133°48'40" W

Distance/Direction to nearest town/city: 7 miles SE of Kake, AK

Attachments: Nautical Chart Vicinity Map Plan Drawing Elevation/Cross Section View

Description of operations: Log Transfer Facility (LTF) is designed to have log bundles placed into the water by equipment (Double A-Frame or Crane) lifting log bundles off log trucks, then lowering bundles into the water. Once bundles are floating, they would be moved to operator's log rafting pens by small boat. Timber operator would have to maintain a log rafting area near the Log Transfer Facility (LTF). Adequate onshore log storage exists adjacent to the LTF, with an estimated capacity of 200 mbf to 300 mbf capacity. Additional log bundles will have to be stored at remote locations and transported to the LTF just prior to being transferred.

Direct loading of barges from this LTF is considered good. Barge loading of the dock at this facility is limited to barges loaded by specialized lifting equipment positioned near the dock face (crane or yarder), or to barges equipped with self-loading equipment. In both cases, bundles are brought to the sort/storage area by truck, offloaded by front-end loader or stacker for placement in the deck or carried to the dock, then lifted onto the barge by the lifting equipment. Barges with ramp gates can load off of the side of the fill behind the dock on higher tides, where front-end loaders or stackers carry log bundles directly onto the barge. There is a small potential for barges to ground out on extreme lower tides when the barge draft increases due to the weight of the loaded log bundles.

Demonstration that operations constitute important or social or economic development in the area and that a zone of deposit is necessary to accommodate operation of the LTF: The purpose and need for the operation of the LTF is to implement the direction in the Tongass Land and Resource Management Plan, to seek to meet market demand as prescribed in the Tongass Timber Reform Act (1990), to contribute to providing a sustained volume of wood to meet local and national demand, and to provide local and regional employment opportunities.

The movement of logs from uplands to the water creates bark deposition at all log transfer facilities. The extent of the deposit is determined by the amount of timber volume crossing the facility, the frequency of projects utilizing the site, the tidal characteristics immediately adjacent to the LTF, and the methods utilized in transferring logs.

Describe known existing uses of the receiving water where the LTF is located, and demonstrate that those uses will be fully protected by the proposed operation of the LTF:

This area is used for boating and recreational day use.

None of the waterway uses identified above should be hindered by the continued operation and use of the LTF. All reasonable practices will be implemented to avoid the discharge of bark, wood debris, and other pollutants to the receiving waters, and to contain the discharge to the smallest area that is practicable and is consistent with the safe and orderly operation of the LTF.

Facility Classification

Category:
 Shore-based
 Off-shore

Method of Log Transfer: Double A-Frame or Crane
 Lutoff/lowering off of concrete deck, steel frame and steel pipe pile dock with uplands log sort/storage area

Use Description (Type I, II, III, IV or V): IV

Production Data

Expected facility lifespan: 40 to 50 years, with periodic maintenance of steel coatings and anodes

Projected Months of Operation: April through October

Volume to be transferred (board feet, Scribner scale)

Maximum over life of permit: 70 mmbf

Average per year: 14 mmbf

Maximum per year: 20 mmbf

Approximate volume of timber (mmbf) previously transferred over the facility, if known: 130 mmbf

Receiving Water Information

ATTACHMENTS (for Type I-IV shore-based LTFs)

Bark monitoring surveys not previously submitted to EPA

Signature and Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations

Signature of Principal Corporate or Executive Officer/General Proprietor



Printed Name

Jacqueline Myers

Title/Company

Acting Regional Forester/ USDA Forest Service Alaska Region

Date

2/21/2001

Submit this Notice of Intent to:

U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, OW-130
Seattle, Washington 98101
Attn: LTF Reporting

Alaska Dept. of Environmental Conservation
Division of Air and Water Quality
410 Willoughby Avenue, Suite 105
Juneau, AK 99801
Attention: LTF Reporting

Qualified applicants will be authorized to discharge under this general NPDES permit upon receipt of written authorization from EPA.

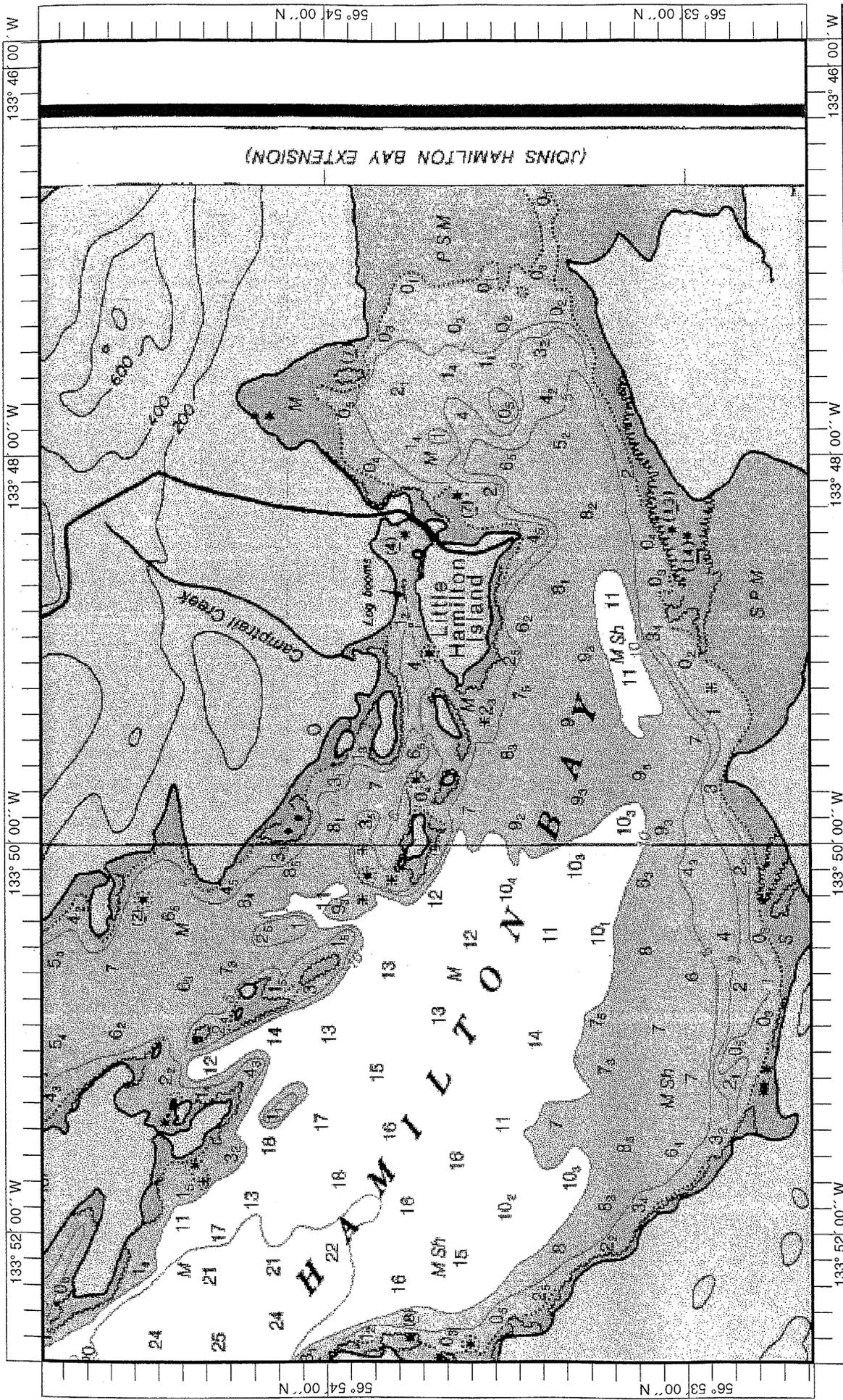
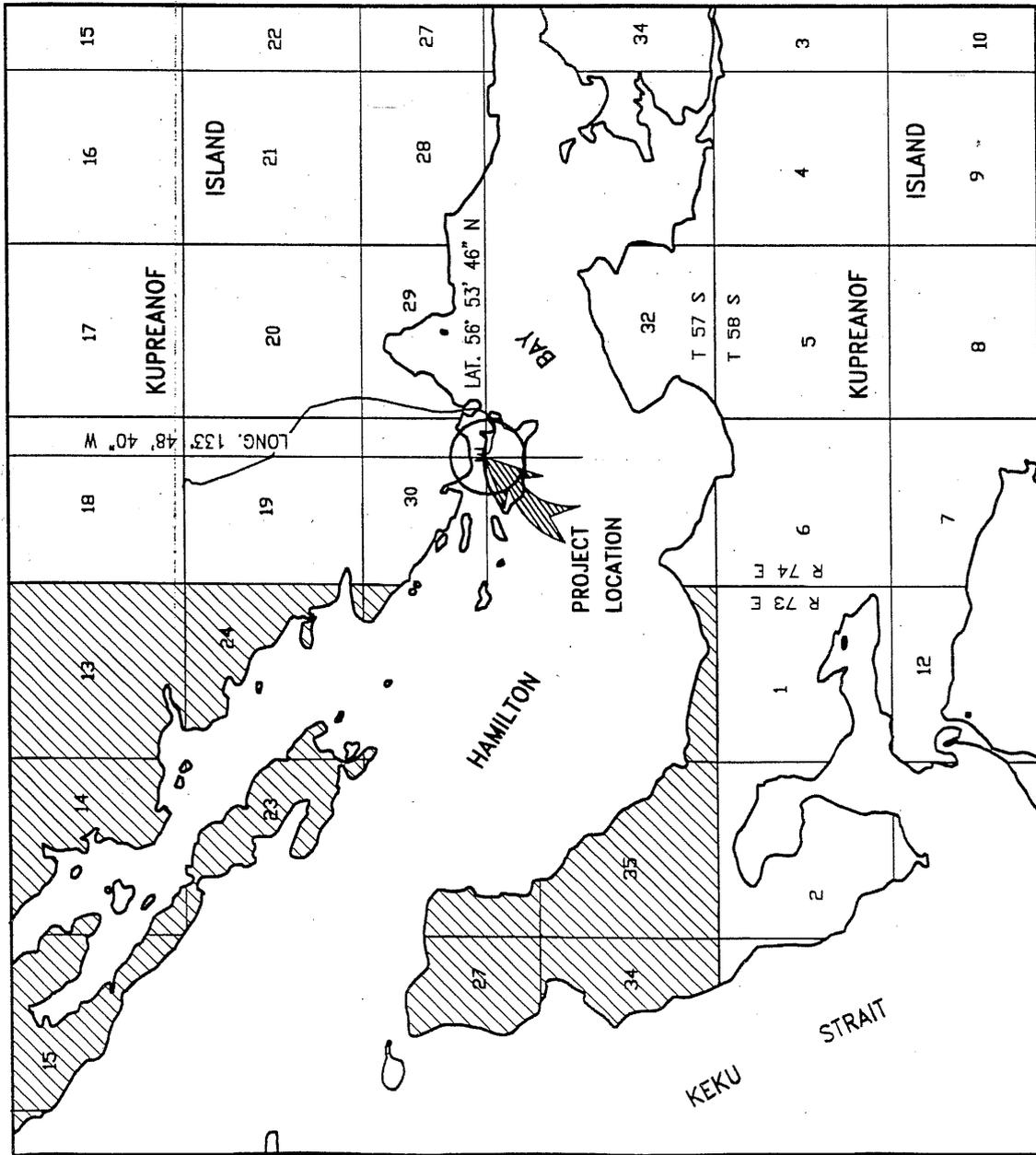


Chart Name: KEKU STRAIT NORTHERN PART
 Chart ID: 17368_1
 Top Left: 56° 54' 48" N 133° 52' 40" W
 Bottom Right: 56° 52' 39" N 133° 45' 52" W



LEGEND

-  STATE & PRIVATE LAND HOLDINGS
-  LANDS MANAGED BY US FOREST SERVICE
-  LTF
-  EXISTING LOG TRANSFER FACILITY
-  FOREST SERVICE ROAD NUMBER

DATE: 05-08-00	APPLICANT: M. Parker USDA Forest Service
LITTLE HAMILTON BAY LOG TRANSFER FACILITY VICINITY MAP	
ENVIRONMENTAL PROTECTION AGENCY NPDES PERMIT DRAWING	
SEC. 30, WITHIN T.57 S., R.74 E., CRM	
SHEET 1 OF 3	

VICINITY MAP: From USGS QUAD, Petersburg D-6

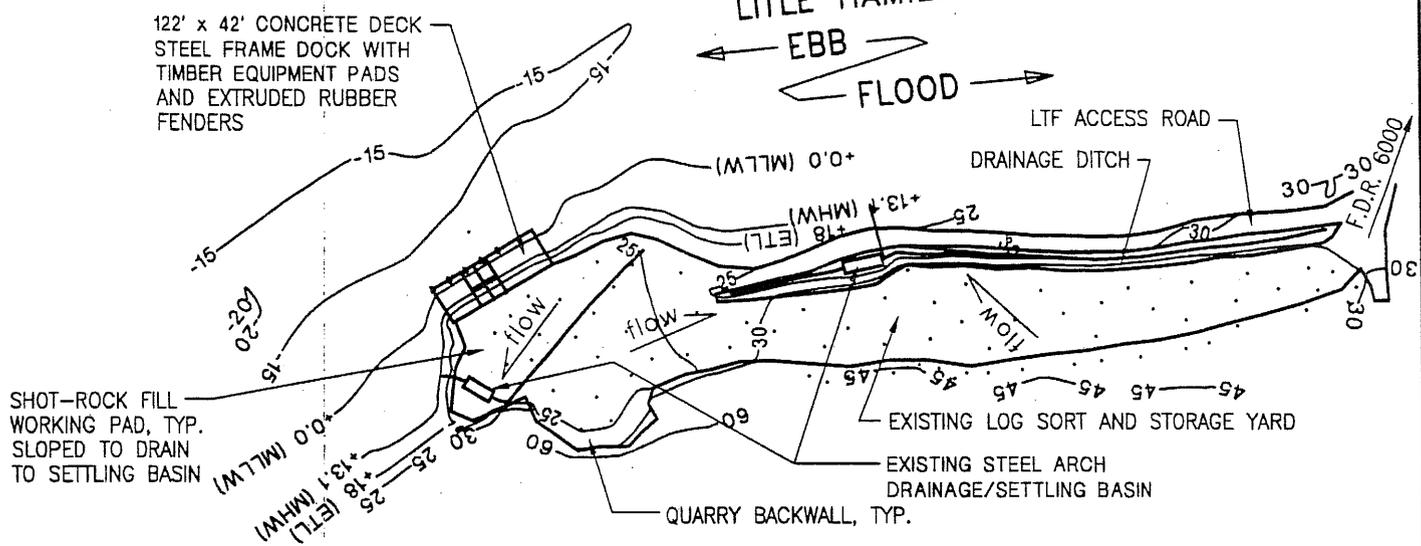
SCALE, IN MILES



PART OF TOWNSHIPS T 57 S AND T 58 S,
RANGES R 73 E AND R 74 E; C.R.M.

DRAWN BY: K. ELMORE
DATE: 5/08/2000

LITTLE HAMILTON BAY



122' x 42' CONCRETE DECK
STEEL FRAME DOCK WITH
TIMBER EQUIPMENT PADS
AND EXTRUDED RUBBER
FENDERS

SHOT-ROCK FILL
WORKING PAD, TYP.
SLOPED TO DRAIN
TO SETTLING BASIN

LTF ACCESS ROAD

DRAINAGE DITCH

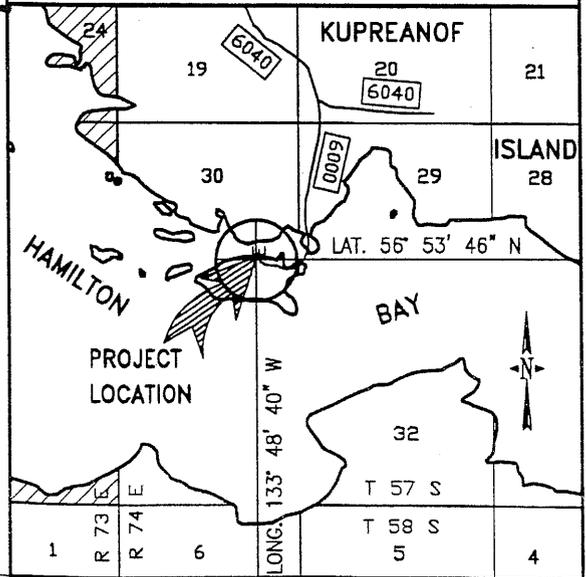
EXISTING LOG SORT AND STORAGE YARD

EXISTING STEEL ARCH
DRAINAGE/SETTLING BASIN

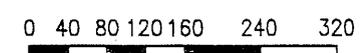
QUARRY BACKWALL, TYP.

VICINITY MAP: From USGS QUAD,
Petersburg D-6

SCALE, IN MILES



PLAN VIEW



SCALE, IN FEET

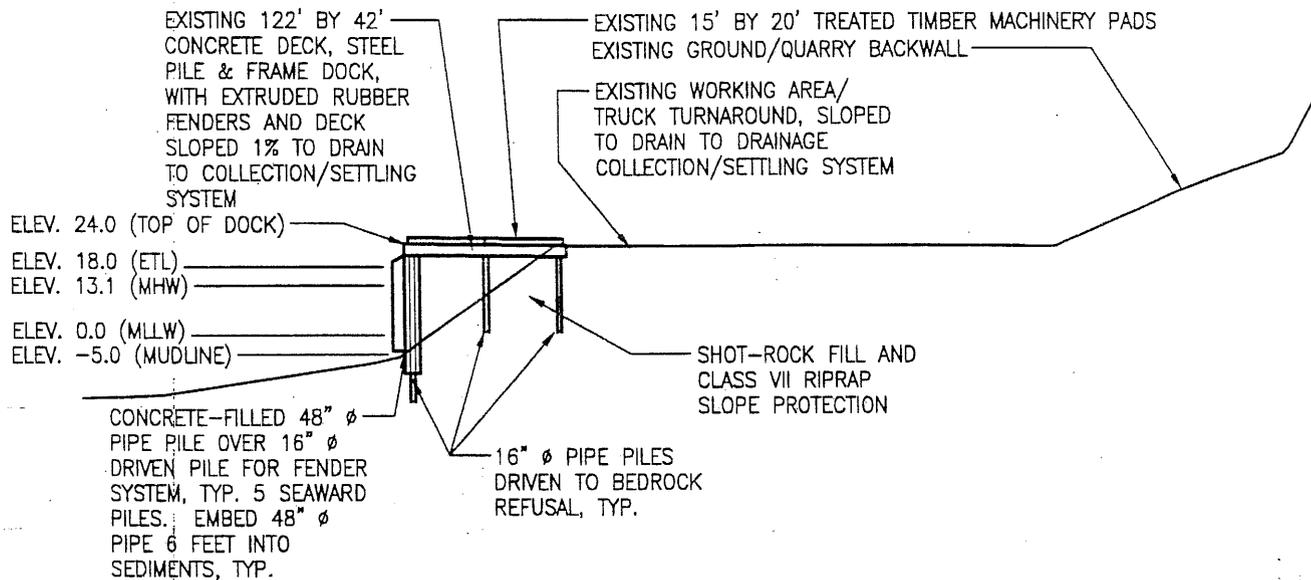


BASIS OF ELEVATION:

TIDAL DATUM, "KAKE - KEKU STRAIT", U.S. COAST &
GEODETIC SURVEY MONUMENT:

EXTREME HIGH TIDE (ETL):	18.0 Ft.
MEAN HIGH WATER (MHW):	13.1 Ft.
MEAN LOWER LOW WATER (MLLW):	0.0 Ft.

DATE: 10-19-2000	APPLICANT: M. Parker USDA Forest Service
LITTLE HAMILTON BAY LOG TRANSFER FACILITY	
ENVIRONMENTAL PROTECTION AGENCY NPDES GENERAL PERMIT	
SEC(s). 30, WITHIN T. 57 S., R. 74 E., CRM	
SHEET 2 OF 3	



TYPICAL DOCK & WORK AREA SECTION

DATE: 10-19-2000	APPLICANT: M. Parker USDA Forest Service
LITTLE HAMILTON BAY LOG TRANSFER FACILITY	
ENVIRONMENTAL PROTECTION AGENCY NPDES GENERAL PERMIT	
SEC(s). 30, WITHIN T. 57 S., R. 74 E., CRM	
SHEET 3 OF 3	



Alaska Commercial Divers, Inc.

P.O. Box 9351 ♦ Ketchikan, AK 99901 ♦ e-mail: acd@ktm.net ♦ Phone (907) 247-0771 ♦ Fax (907) 225-0771

TLF Location: **Hamilton Island**
 Subject: **Log Transfer Facility Bark Monitoring Survey**
 Survey Date: **September 15, 2000**
 Report Date: **November 20, 2000**

Survey Protocol and Analytical Methods:

The log transfer facility (LTF) was surveyed by a commercial diver for the extent and degree of lost bark as required by permit stipulation. Greg Updike of Alaska Commercial Divers, Inc; Ketchikan, Alaska was the diver for the LTF.

Five transect lines were established from the center of the entry point given to ACD, Inc. from the US Forest Service and the DGPS was noted. The transects radiated seaward with each transect arranged 30 degrees apart from one another. The transects were at bearings of 260°, 290°, 320°, 350°, and 20°. A compass bearing was established at the beginning of each transect. This bearing was followed until the end of the transect. Measurements of bark deposition depth, and percent of bark coverage was measured by the diver at 15 foot intervals along the transect. Bark depth was measured to the nearest centimeter at each station with a marked stick. If the bark was visible, but less than 1 centimeter deep, the depth was recorded as "trace". The percent of bark coverage was estimated within a 3' x 3' area in the immediate vicinity of the measuring station. Measurements were made along each transect until bark deposits were no longer visible, or until water depth exceeded 60 feet MLLW. The extent of the area covered by bark deposition is reflected by plotting the data on a scaled drawing and estimated by using the formula provided by the USFS.

Observations and Conclusions:

The substrate type at this site consists of mud/silt with shells. The measuring area at this site was a bowl shape with the transect depths going no deeper than 22' MLLW and the start and stop depths being about the same. Along **Transect One** an inner tube, wire, a roll of swifter cable was located. Cables, aluminum cans and a tire were found on **Transects Two, Three and Four**. Marine life was noted on twenty five of the sixty seven measuring stations. Species recorded were crab, sea stars, eels, shrimp and kelp.

Continuous cover of bark is calculated to be .53 acres and the discontinuous coverage of bark for this area is .24. The total area surveyed was .77 acres.

Reports Prepared by: *Karen Updike*
Jeani Purdy

Karen B. Updike
Jeani Purdy
GREG UPDIKE

Dives Performed by: *Greg Updike*

Location: Hamilton Island	
Latitude: 56° 53.45 N	Longitude: 132° 57.00 W
Date: 9/15/00	Time: 1932-2107

Transect # 1
Bearing 260 °

Distance (Feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal or Other Foreign Items	Marine Life
0	20	12	100	unknown	Inner Tube	Sea Star
15	-	14	0	Mud & Shells	Wire	
30	1	17	0	Rock & Silt		
45	-	19	0	Mud & Shell		
60	-	20	0	Mud & Silt	Cable (swifter rolled up)	Kelp
75	-	21	0	Mud & Shell		
90	1	20	20	Mud & Shell		Kelp
105	60	19	100	Mud & Shell		
120	40	17	100	Mud & Shell		Eel, Shrimp
135	40	15	100	Mud & Shell		Eel, Shrimp
150	1	12	10	Mud & Shell		
165	4	12	70	Mud & Shell		Shrimp
180	1	7	70	Mud & Shell		Crab
195	-	5	0	Mud & Shell		Crab, Shrimp
210						
225						
240						

Transect # 2
Bearing 290 °

Distance (feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal or Other Foreign Items	Marine Life
0	10	12	100	Silt & Mud		
15	5	13	60	Mud	Cable	Shrimp
30	10	16	100	Mud		
45	20	17	100	Mud		
60	10	18	100	Mud & Shells		
75	10	19	100	Mud & Shells		
90	5	20	100	Mud & Shells		
105	10	19	100	Mud & Shells	Cable	Shrimp ,Crab
120	10	19	100	Mud & Shells		Shrimp ,Crab
135	10	18	100	Mud & Gravel	Aluminum Can	Shrimp ,Crab
150	5	18	100	Shell & Rock		
165	10	15	100	Shells & Gravel		Shrimp
180						
195						
210						
225						
240						
255						
270						
285						
300						

Transect # 3
Bearing 320 °

Distance (Feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal or Other Foreign Items	Marine Life
0	10	12	100	Mud & Silt		
15	10	14	100	Mud & Silt	Cable	Shrimp
30	10	14	100	Mud & Silt	Cable	Shrimp
45	20	17	100	Mud & Silt		
60	10	19	100	Mud & Silt	Tire	
75	5	21	100	Mud & Silt		
90	5	21	100	Mud & Silt	Cable	
105	10	20	100	Mud & Silt	Aluminum Can	
120	10	18	100	Mud & Silt	Aluminum Can	Shrimp, Crab
135	5	13	100	Mud & Silt		
150	5	12	100	Mud & Silt		
165	1	7	100	Mud & Silt		
180						
195						
210						
225						
240						
255						
270						
285						
300						

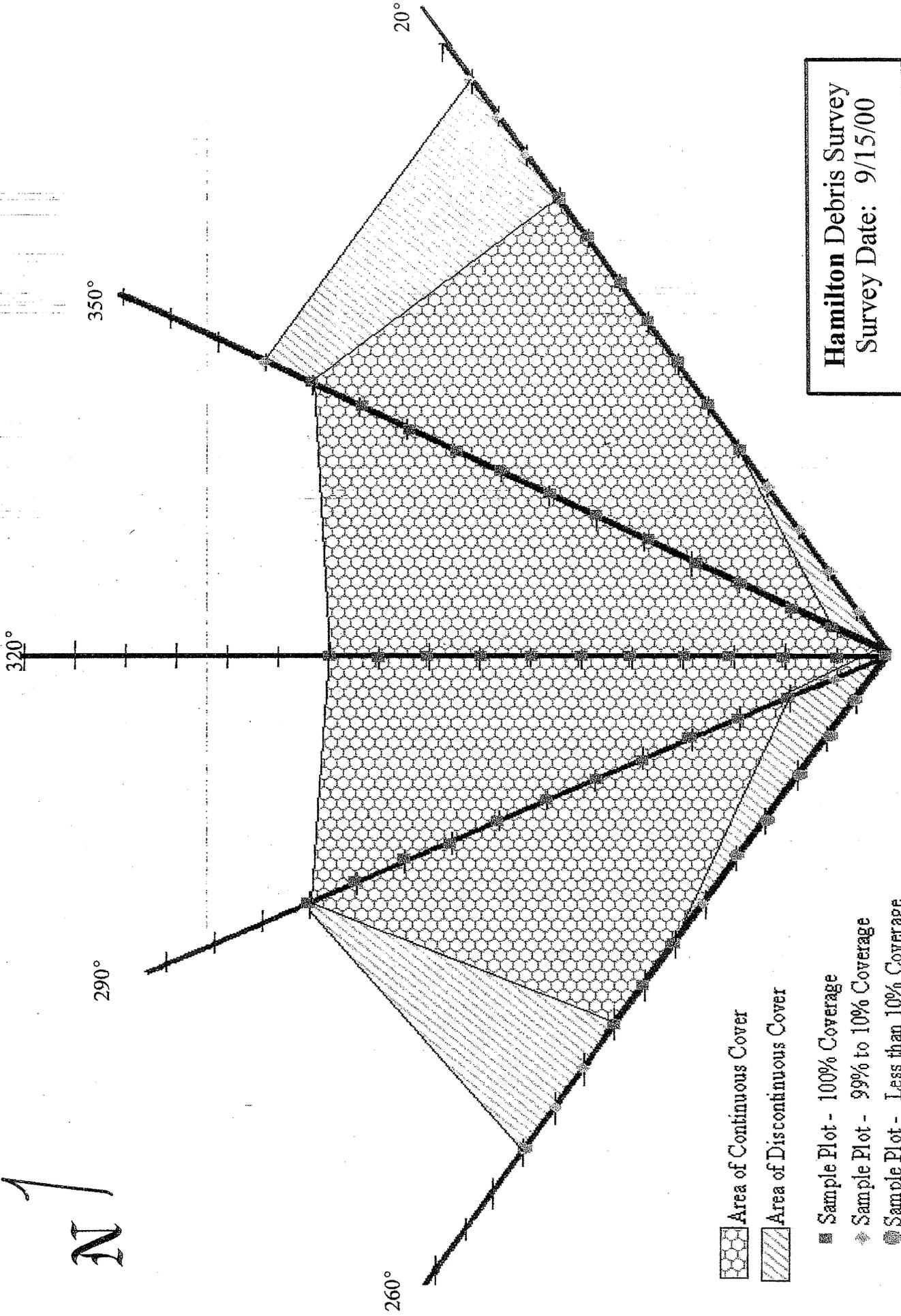
Transect # 4
Bearing 350 °

Distance (Feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal of Other Foreign Items	Marine Life
0	10	12	100	Rock	Cable	
15	10	14	100	Unknown	Cable	
30	20	17	100	Mud & Silt		
45	10	17	100	Mud & Silt		Crab
60	10	19	100	Mud & Silt		Crab
75	5	21	100	Mud & Gravel		
90	5	22	100	Mud & Gravel		
105	10	20	100	Mud & Silt		
120	10	17	100	Mud & Silt		
135	10	15	100	Mud & Silt	Cable	
150	5	12	100	Mud & Silt		
165	5	8	100	Mud & Silt		
180	5	7	100	Mud & Silt		
195	1	6	60	Mud & Silt		
210						
225						
240						
255						
270						
285						
300						

Transect # 5
Bearing 20°

Distance (feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal or Other Foreign Items	Marine Life
0	20	12	100	Mud & Silt		
15	10	14	60	Unknown	Cable	
30	15	17	30	Unknown		
45	20	19	10	Unknown		Crab
60	20	19	50	Unknown		Crab
75	15	20	100	Unknown		Shrimp & Crab
90	10	20	100	Unknown		
105	10	20	100	Unknown		
120	10	21	100	Unknown		
135	10	18	100	Unknown		
150	5	17	100	Mud & Gravel		
165	5	15	100	Mud & Gravel	Rope	Crab
180	1	13	50	Mud & Gravel		
195	1	10	10	Mud & Gravel		
210	1	6	10	Mud & Gravel		
225						
240						
255						
270						
285						
300						

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N



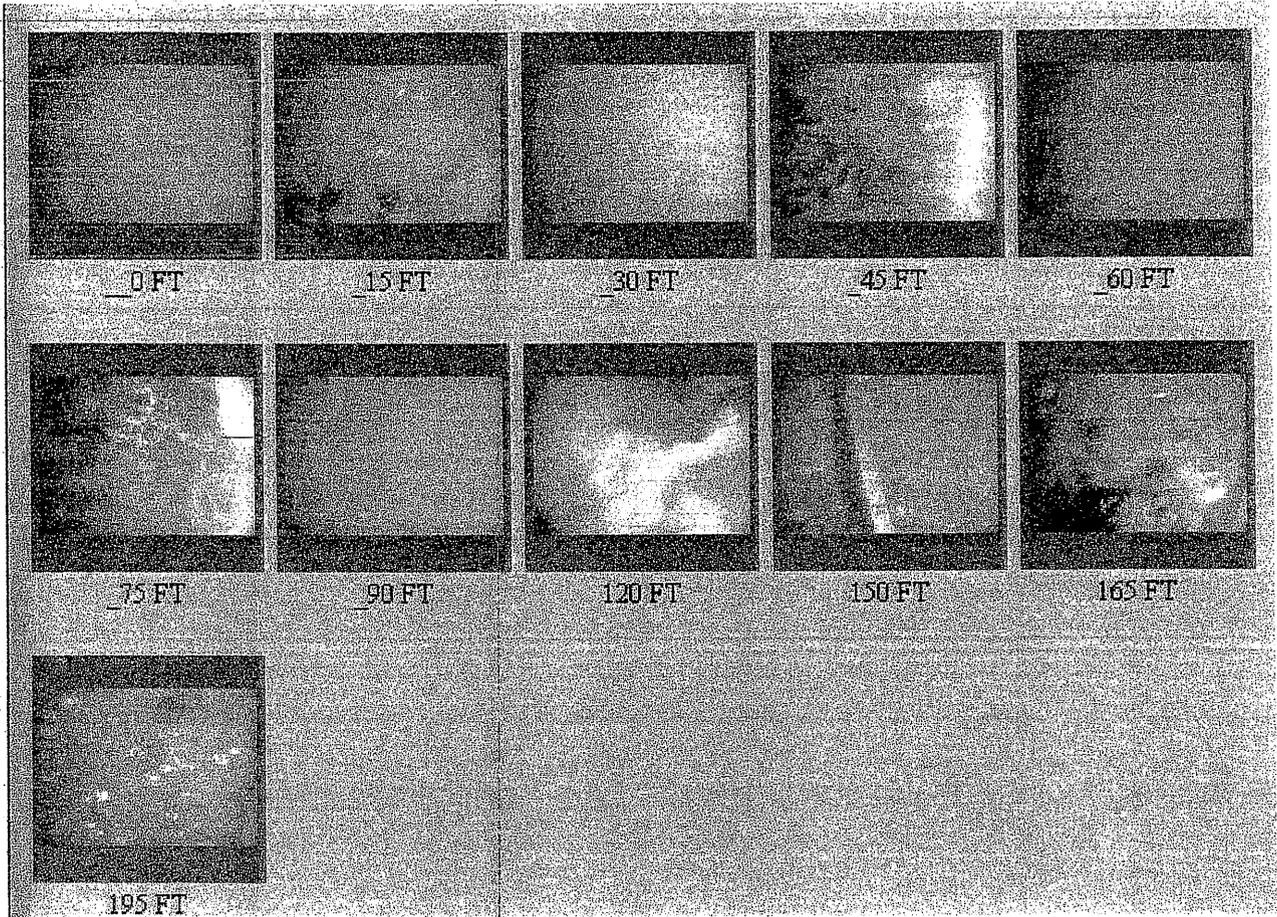
Hamilton Debris Survey
Survey Date: 9/15/00

1 cm = 15 feet

- Area of Continuous Cover
- ▨ Area of Discontinuous Cover
- Sample Plot - 100% Coverage
- ▩ Sample Plot - 99% to 10% Coverage
- Sample Plot - Less than 10% Coverage

Hamilton Island Transect #1

9/15/00



Hamilton Island Transect #2
9/15/00

