



Alaska Commercial Divers, Inc.

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TLF Location: St. John Baptist
Subject: Log Transfer Facility Bark Monitoring and Biological Resources Survey
Survey Date: September 11, 2000
Report Date: November 28, 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 and to discover the biological resources at the site. Greg Updike of Alaska Commercial Divers, Inc; Ketchikan, Alaska was the diver.

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 140°, 170°, 200°, 230°, and 260°. 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 diver also recorded marine organisms plus the depths and substrate types where organisms were found.

Observations and Conclusions:

The substrate type at this site consists of rocky gravel and sand with areas of mud and silt. Divers located 8 items foreign to the area. These were located on three of the five transects and are detailed on the attached table. Marine life was noted on all five transects and on 35 of the 94 measuring stations. Species recorded were Rock Fish, Hermit Crab, Crabs, Halibut, Vegetation, Eel, Sea Stars, Sea Cucumber, and Sea Anemones.

The area of continuous bark cover is the area surveyed was calculated to be 1.32 acres of the 1.71 acres surveyed. Two spots of 100% cover are noted on the graph. These spots were not part of the Continuous Cover calculation and the areas around them are noted to be "trace" or "less than 10% cover".

Reports Prepared by: Karen Updike
 Jeani Purdy

OK 200
 Karen B. Updike
 Jeani Purdy
 GREG UPDIKE

Dives Performed by: Greg Updike

Biological Resources/EIT Survey - Transect Data Form

Location: St. John Baptist

Latitude: 57° 17.19 N **Longitude:** 135° 33.49 W

Date: 9-11-00 **Time:** 13:55 to 15:25

Transect # 1
Bearing 140 °

Distance (Feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal or Other Foreign Items	Marine Life
0	-	0	0	Rock	-	-
15	-	5	0	Gravel	Cable	Sun Sea Star, Rock Fish
30	-	13	0	Gravel/ Sand	-	Rock Cod, Sea Cucumber
45	-	23	0	Gravel/ Sand	-	Sea Cucumber
60	-	27	0	Gravel/ Sand	-	Sea Cucumber
75	10	32	100	Mud/Sand	-	-
90	20	34	100	Mud/Sand	-	-
105	10	36	100	Mud/Sand	-	Fish, Hermit Crab
120	15	39	100	Mud/Sand	-	Sea Anemones
135	10	39	100	Mud/Sand	Sink	Hermit Crab
150	15	38	100	Mud/Sand	-	Star Fish
165	15	38	100	Mud/Sand	Tire	Sea Anemones
180	15	38	100	Mud/Sand	-	Sea Star
195	15	38	100	Mud/Sand	Pop Cans	Hermit Crab
210	-	37	0	Mud/Silt	-	Sea Star
225	-	37	0	Mud/Silt	-	Sea Star
240	-	37	0	Mud/Silt	-	Sea Star
255	-	37	0	Mud/Silt	Wood Chunks	-
270	-	35	0	Mud/Silt	-	-
285	-	35	0	Mud/Silt	-	-
300	-	35	0	Sand/Mud/Silt	-	-

Transect # 2
Bearing 170 °

Distance (feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal or Other Foreign Items	Marine Life
0	-	0	0	Rock	-	-
15	-	5	0	Rock	Cable	Kelp
30	-	5	0	Shells/ Gravel/Mud	-	-
45	-	14	0	Rocks	-	Sea Cucumber, Sea Stars, Kelp
60	-	22	0	Rocks	-	Sea Stars, Sea Cucumber
75	-	31	0	Mud/Shells	-	-
90	-	33	0	Mud/Shells	-	-
105	-	36	0	Mud/Shells	-	Sea Stars, Eel
120	20	39	100	Mud/Shells	-	-
135	20	42	100	Mud	-	-
150	20	43	100	Mud	-	-
165	20	45	100	Mud	-	-
180	15	47	100	Mud	-	Kelp
195	20	48	100	Mud	-	-
210	20	48	100	Mud	-	-
225	20	48	100	Mud	Cable, Jar	Sea Anemones
240	20	49	100	Mud	-	-
255	20	49	100	Mud	-	-
270	20	50	100	Mud	-	-
285	20	53	100	Mud	-	-
300	20	61	100	Mud	-	-

Transect # 3
Bearing 200 °

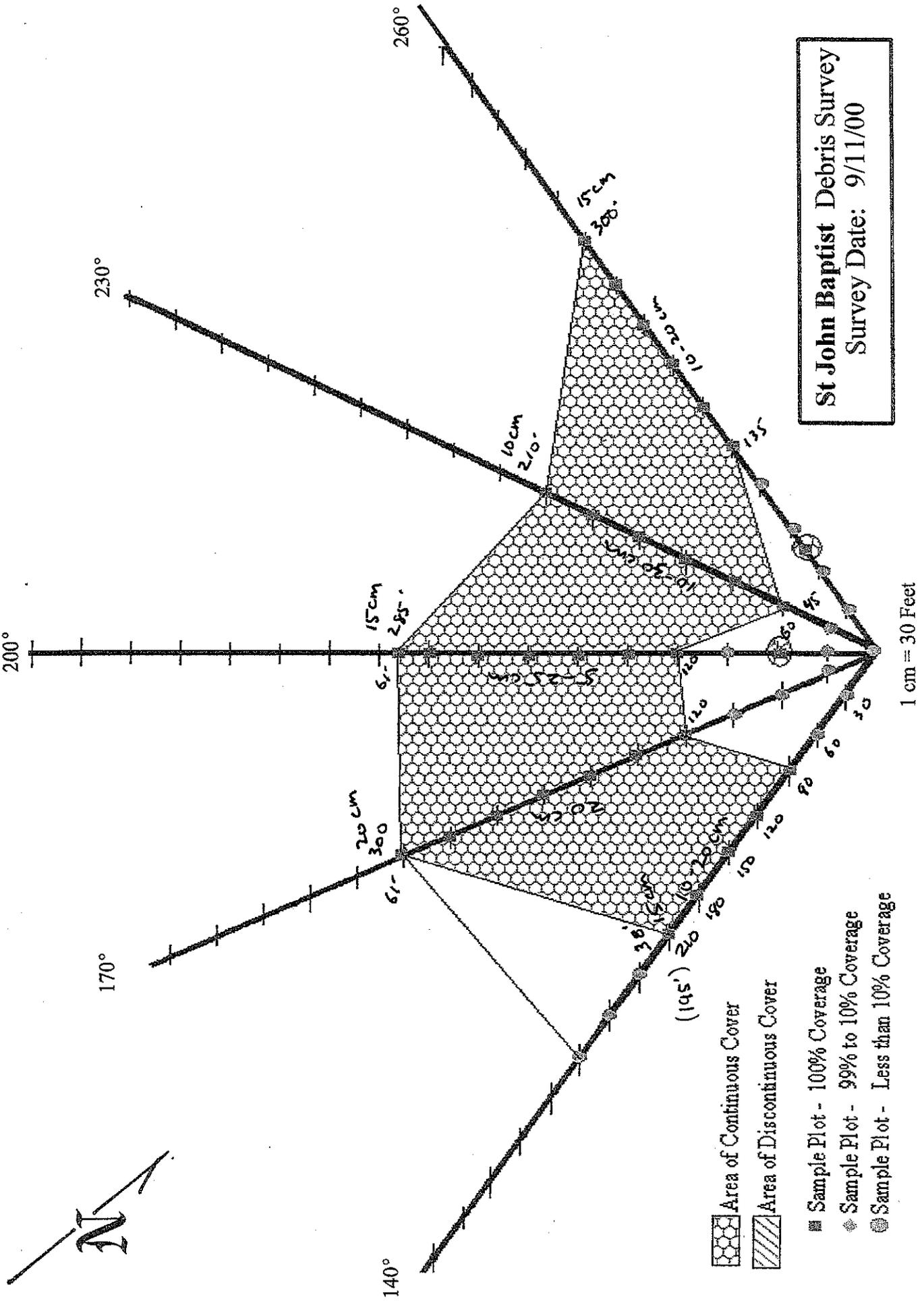
Distance (Feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal or Other Foreign Items	Marine Life
0	-	0	0	Rocks	-	-
15	-	5	0	Gravel/Rocks	-	Sea Star
30	-	5	0	Gravel/Rocks	-	Sea Cucumber
45	-	19	0	Gravel/Rocks	-	-
60	60	30	100	Mud	-	-
75	30	35	100	Mud	-	Sea Cucumber
90	0	38	0	Rock/Gravel	-	-
105	-	41	0	Rock	-	Sea Anemones, Sea Star
120	10	46	100	Gravel/Rocks	-	Halibut
135	20	47	100	Gravel/Mud	-	-
150	20	48	100	Mud	-	Sea Anemones, Crabs
165	20	50	100	Mud	-	Rock Fish
180	5	52	100	Mud/Silt	-	Sea Stars ,Cucumbers, Anemones
195	2	52	100	Mud/Silt	-	-
210	25	55	100	Mud/Silt	-	-
225	20	56	100	Mud/Silt	-	-
240	10	56	100	Mud/Silt	-	-
255	20	58	100	Mud/Silt	-	-
270	20	60	100	Mud/Silt	-	-
285	15	61	100	Mud/Silt	-	-
300						

Transect # 4
Bearing 230 °

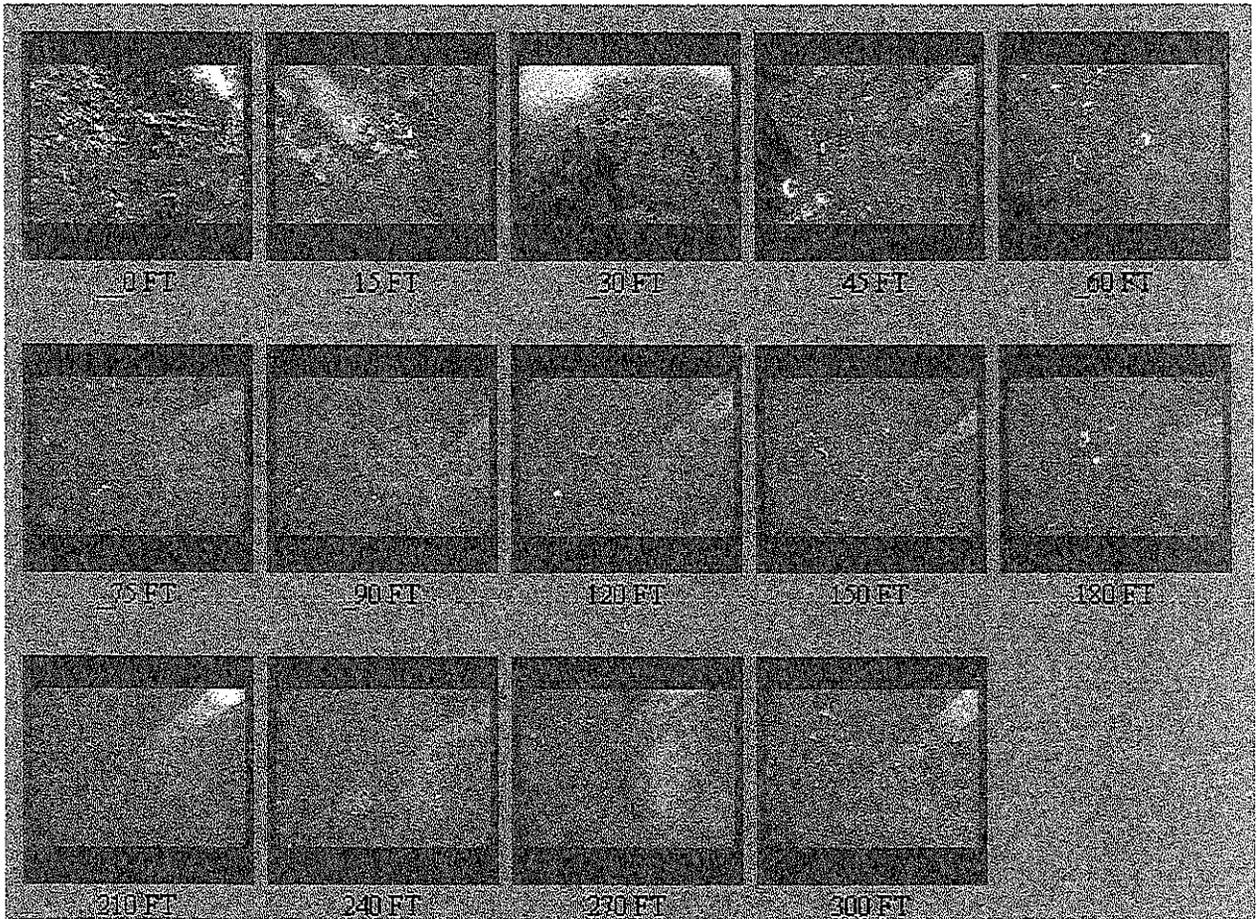
Distance (Feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal of Other Foreign Items	Marine Life
0	-	0	0	Rock	-	-
15	-	4	0	Rock	-	Hermit Crabs, Kelp
30	-	17	0	Shell/Rock	-	Sea Star, Cucumber
45	20	26	100	Shell/Rock	-	Sea Star, Eel
60	22	32	100	Mud	-	-
75	10	37	100	Mud	-	Halibut
90	30	40	100	Rocks/Mud	-	-
105	5	42	100	Rocks/Mud	-	-
120	10	44	100	Rocks/Mud	-	-
135	10	48	100	Rocks/Mud	-	-
150	10	49	100	Rocks/Mud	-	-
165	10	52	100	Rocks/Mud	-	-
180	15	55	100	Rocks/Mud	-	-
195	20	61	100	Rocks/Mud	-	-
210	10	61	100	Rocks/Mud	-	-
225						
240						
255						
270						
285						
300						

Transect # 5
Bearing 260 °

Distance (feet)	Bark Depth Cm	Water Depth Ft	Bark Cover %	Substrate Type	Metal or Other Foreign Items	Marine Life
0	-	0	0	Rock	-	-
15	-	4	0	Rock	-	Rock Fish, Sea Star, Cucumber
30	-	12	0	Sand/Gravel	-	Sea Cucumber, Crab
45	-	19	0	Sand/Gravel	-	-
60	-	23	0	Sand/Gravel	-	-
75	10	26	100	Sand/Gravel	-	Sea Cucumber, Sea Star
90	-	28	0	Sand/Gravel	-	-
105	-	30	0	Sand/Gravel/Silt	-	-
120	-	33	0	Sand/Gravel	-	-
135	20	36	100	Sand/Gravel	Steel	-
150	20	38	100	Sand/Silt	-	-
165	20	40	100	Sand/Silt	-	-
180	20	41	100	Sand/Silt	-	Sea Anemones
195	20	41	100	Sand/Silt	-	-
210	15	41	100	Sand/Silt	-	-
225	10	42	100	Sand/Silt	-	-
240	10	41	100	Sand/Silt	-	-
255	10	45	100	Sand/Silt	-	-
270	5	52	100	Sand/Silt	-	-
285	5	56	100	Sand/Silt	-	-
300	15	62	100	Sand/Silt	-	-

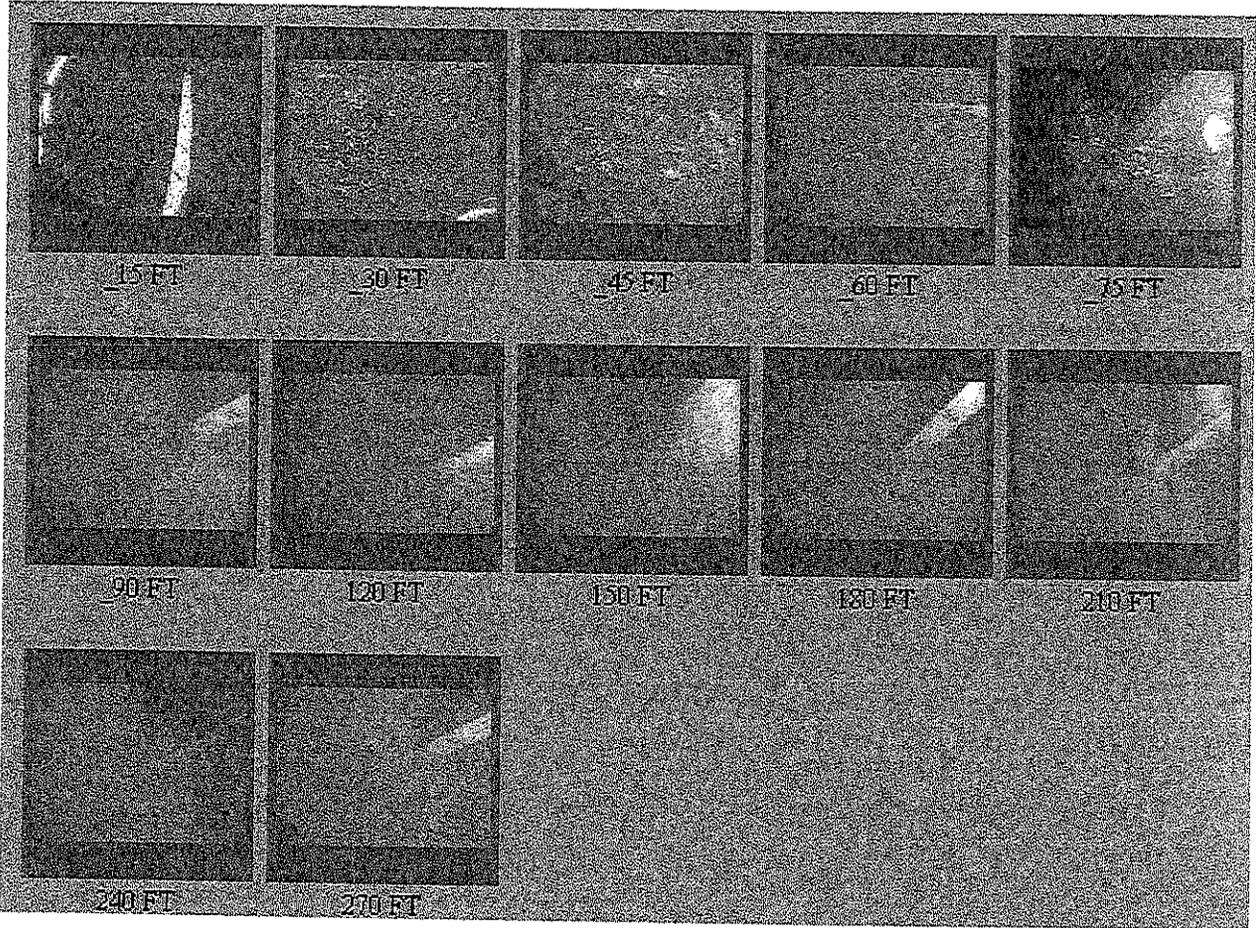


St. John Baptist Transect #1
9/11/00

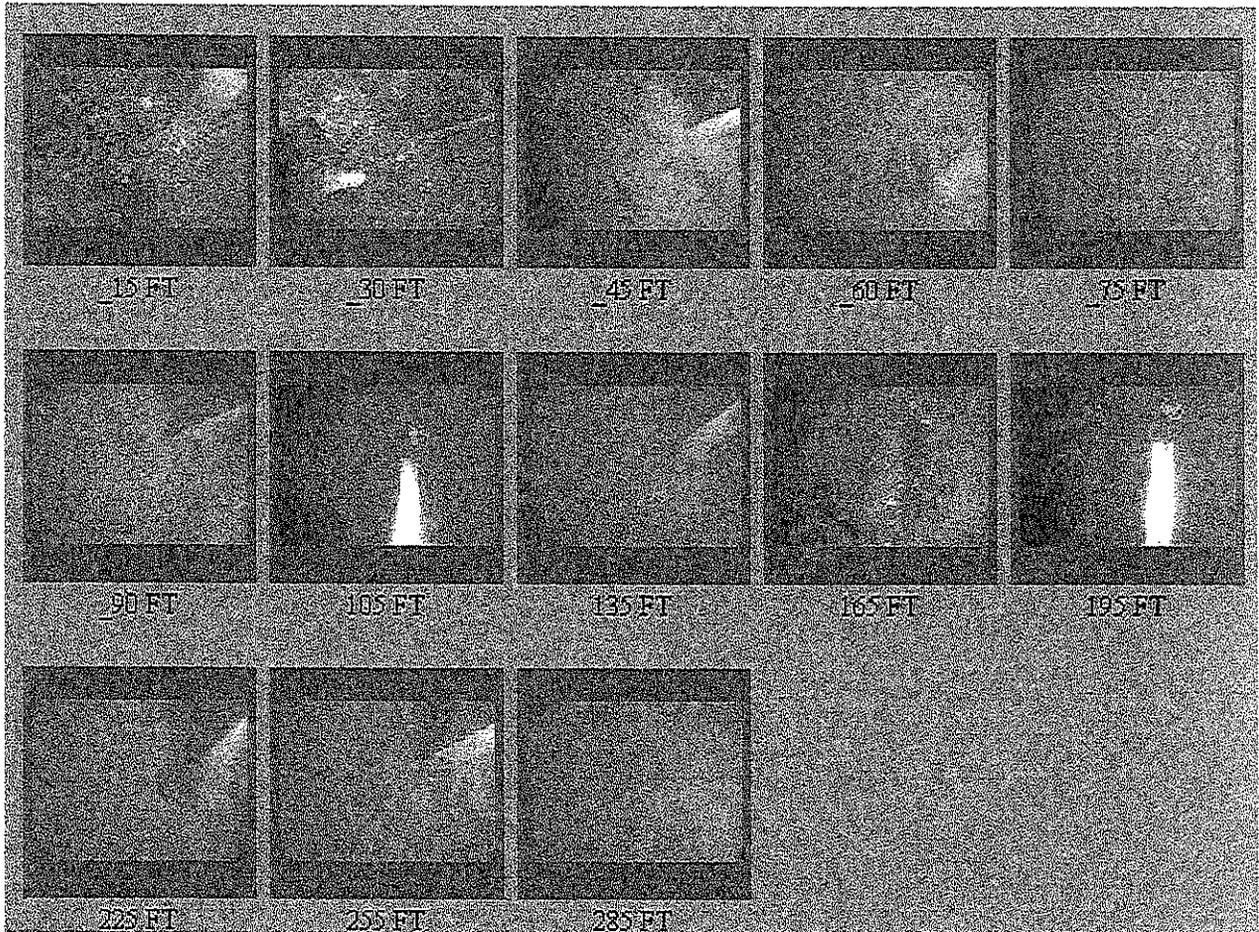


Observed at 15' measuring station.

St. John Baptist Transect #2
9/11/00

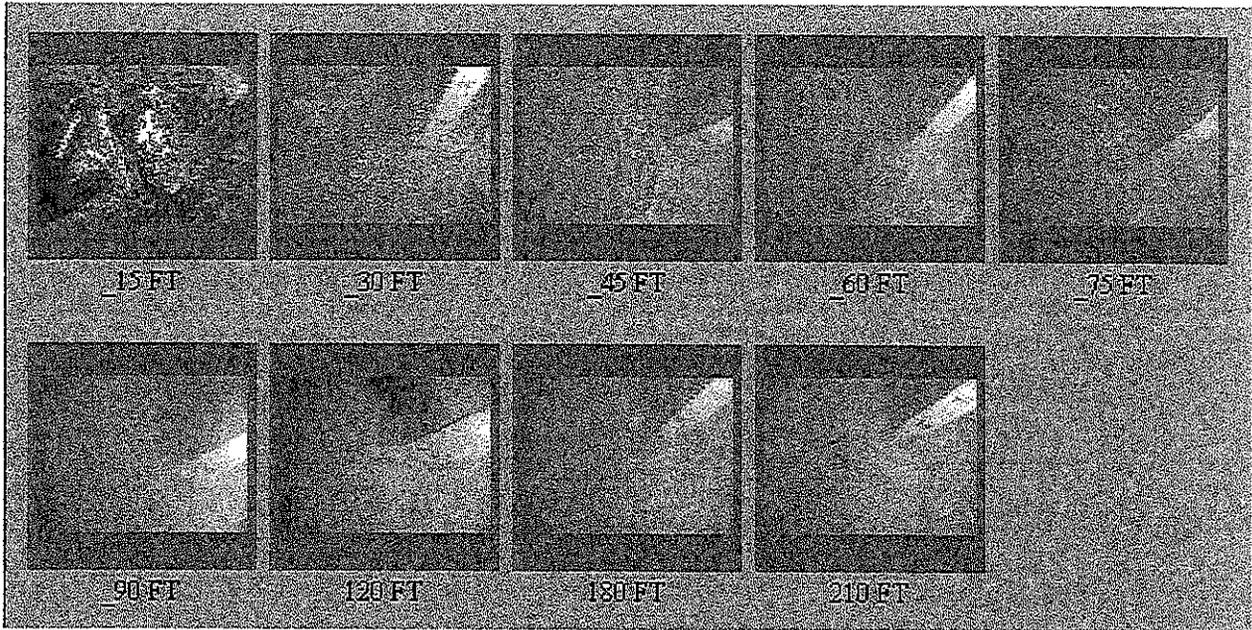


St. John Baptist Transect #3
9/11/00

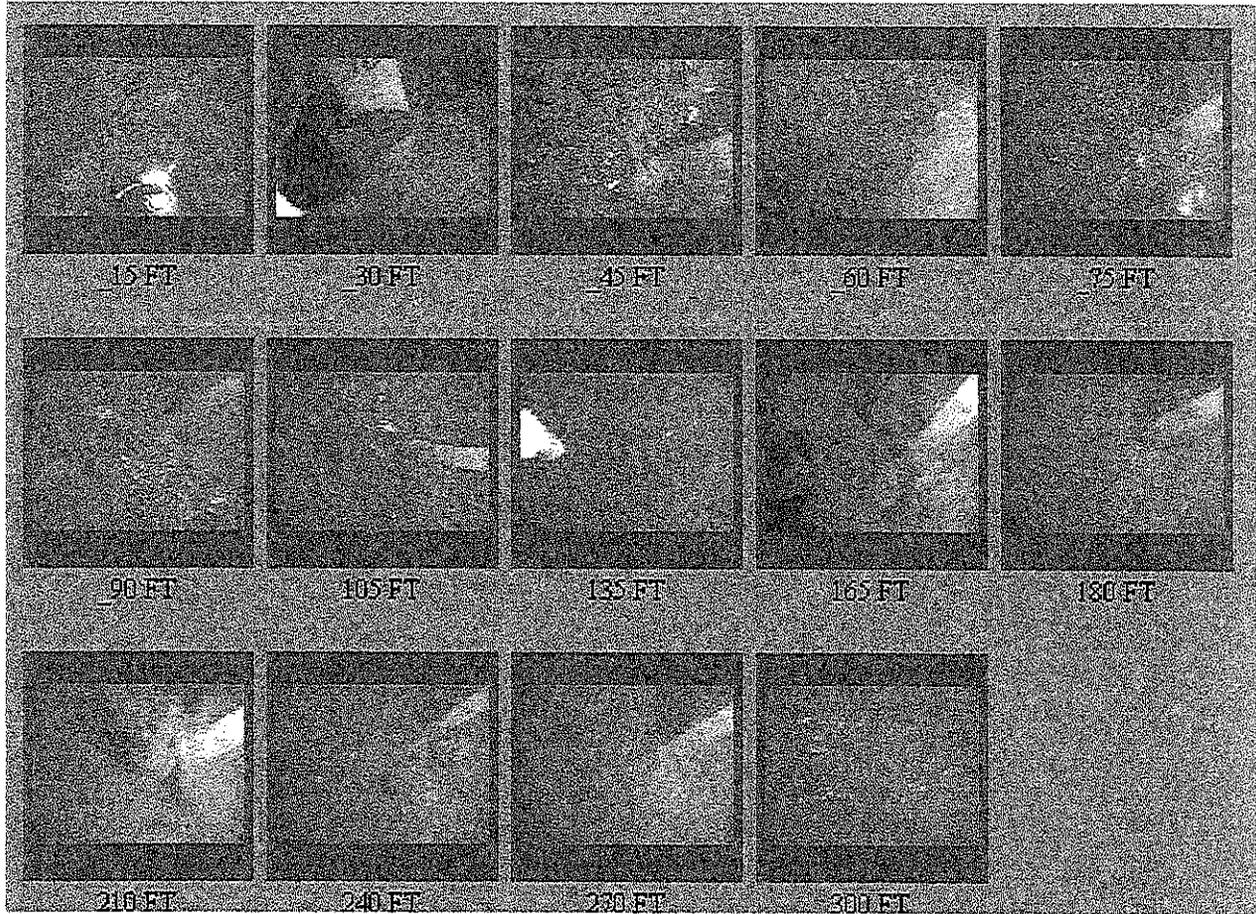


Observed at 165' measuring station.

St. John Baptist Transect #4
9/11/00



St. John Baptist Transect #5
9/11/00



Notice of Intent Checklist (AK-G70-1000)

LTF Name: St. John Baptist Bay LTF Operator: USFS

Facility New? Yes No Commence date
 EPA NPDES # DNR Lease #

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

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

COE 404 #: Sec.10 #: Waterbody Name 99 Issue date(s)
 LTF Name Address Phone FAX
 Lat/Long Nearest town Physical location

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

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

Facility Class: Onshore LTF Offshore LTF Transfer method
 303d/305b Type I-V

Production Data: 5-10 Life years 7 Months operation
Volume: 1.32 ac 20 Max 5-year 4 Avg. year 10 Max year

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

NOI Complete (date): 5-11-01 By: DCS
Raft area not shown; lease is shown

Appendix 1 Notice of Intent Form

<p>Notice of Intent To be covered under the General NPDES Permit AK-G70-1000 for Log Transfer Facilities in Alaska (see Part V of the permit)</p>	
<p>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-G70-1000.</p>	
<p>Previously Assigned NPDES Permit No. (if applicable):</p>	<p>NPDES Permit No. AK-G70-0 _____ (to be assigned by EPA)</p>
<p>Landowner Information</p>	
<p>Landowner Name: USDA Forest Service Alaska Region Tongass National Forest</p>	
<p>Address: 648 Mission Street, Federal Building Ketchikan, AK 99901</p>	<p>Phone: (907) 228-6200 FAX: (907) 228-6292</p>
<p>Representative: THOMAS PUCHLERZ</p>	
<p>Operator Information</p>	
<p>Company Name:</p>	
<p>Address:</p>	<p>Phone: FAX:</p>
<p>Representative:</p>	
<p>Facility Information</p>	
<p>Section 404 Permit No., Facility Name on Permit, and Issuance Date:</p>	
<p>Waterway Name: St. John Baptist Bay 1</p>	
<p>Facility Name: St. John Baptist LTF</p>	
<p>Address: Section 9, T.53S., R.62E.</p>	<p>Phone: FAX:</p>
<p>Latitude/Longitude: 57°18'20" N 135°34'08" W</p>	
<p>Distance/Direction to nearest town/city: about 18 miles NW of Sitka, AK</p>	
<p>Attachments: <input type="checkbox"/> Nautical Chart <input type="checkbox"/> Vicinity Map <input type="checkbox"/> Plan Drawing <input type="checkbox"/> Elevation/Cross Section View</p>	
<p>Description of operations:</p>	

Appendix 1 Notice of Intent Form Continued

Facility Classification	
Category: <input checked="" type="checkbox"/> Shore-based <input type="checkbox"/> Off-shore	Method of Log Transfer:
Use Description (Type I, II, III, IV or V):	
Production Data	
Expected facility lifespan:	Projected Months of Operation:
Volume to be transferred (board feet, Scribner scale) Maximum over life of permit: _____ Average per year: _____ Maximum per year: _____	
Receiving Water Information	
ATTACHMENTS (for Type I-IV shore-based LTFs)	
<input type="checkbox"/> Pre-discharge survey <input type="checkbox"/> Bark monitoring survey (for previously used LTFs) <input type="checkbox"/> Discharge is from a shore-based facility on either Kodiak or Afognak islands <input type="checkbox"/> A written concurrence is required from USFWS as to its effects to the Steller's eider.	
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 RICK D. CABLES
Title/Company Regional Forester/USDA Forest Service Alaska Region	Date 5-19-2000
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.	