

**CLEANUP REPORT OF**  
**2012 CONTAMINATED SOIL EXCAVATIONS -**  
**WRANGELL LUMBER MILL SITE**

-----  
 January 2013  
 -----

-----  
**APPENDIX A**  
 -----

**Site Figures**

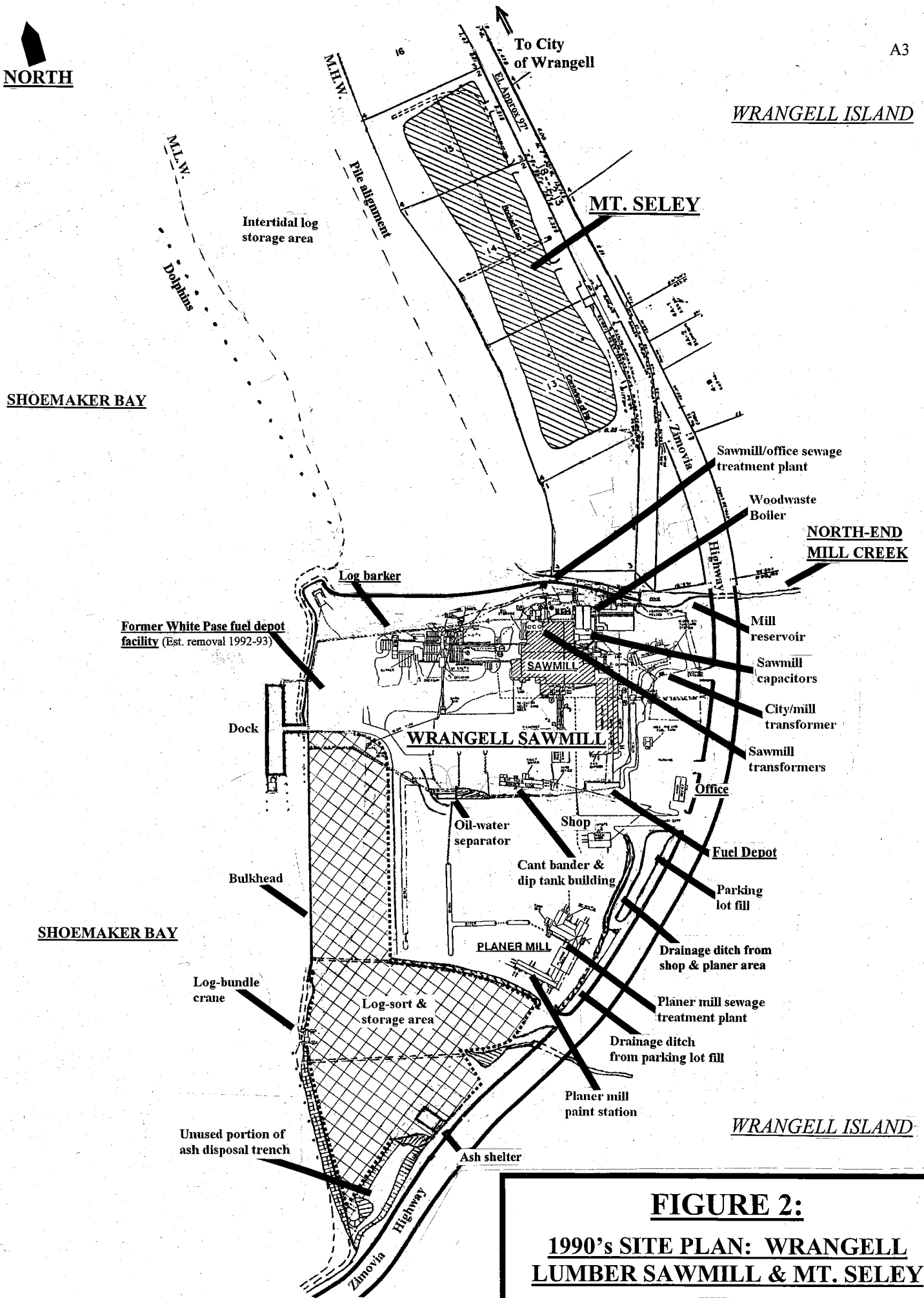
1.	Vicinity Location: Wrangell Lumber Mill Site & Mt. Seley.....	A2
2.	1990's Site Plan: Wrangell Lumber Sawmill & Mt. Seley .....	A3
3.	2012 Site Plan: Wrangell Lumber Mill Site & Mt. Seley .....	A4
4.	7/12 Cleanup & Evaluation Areas - Wrangell Lumber Mill Site .....	A5
5.	Mt. Seley Cleanup Areas.....	A6
6.	Contaminated Soil Stockpile Area - Wrangell Lumber Mill Site.....	A7
7.	7/1/12 Sampling Results - Jet-A Fuel Tank Site.....	A8
8.	5/17/12 Sampling Results - Generator Fuel Tank Site.....	A9
9.	5/15-8/22/12 Sampling Results -Transformer & Emergency Generator Area .....	A10
10.	6/4-7/11/12 Sampling Results - Shop Ditch Line, Pond & Sump .....	A11
11.	6/4-29/12 Sampling Results - Fuel Depot Excavation .....	A12
12.	6/29-7/22/12 Sampling Results - Fuel Depot Excavation .....	A13
13.	8/22-9/16/12 Sampling Results - Fuel Depot Excavation .....	A14
14.	5/18-6/30/12 Sampling Results - Oil/Water Separator Pond.....	A15
15.	7/22/12 Sampling Results - Mt. Seley Excavations.....	A16
16.	7/1/12 Sampling Results - Green Chain/Sorter Line .....	A17
17.	7/20-21/12 Sampling Results - Green Chain/Sorter Line .....	A18
18.	8/22/12 Sampling Results - Green Chain/Sorter Line .....	A19
19.	9/15-10/25/12 Sampling Results - Green Chain/Sorter Line .....	A20
20.	8/21-22/12 Sampling Results - Cherry Picker Line.....	A21
21.	9/15-10/25/12 Sampling Results - Cherry Picker Line.....	A22
22.	9/16/12 Sampling Results - City-Tie Transformer Site.....	A23
23.	10/26/12 Sampling Results: City-Tie Transformer Excavation .....	A24
24.	Site Plan - Former White Pass Fuel Depot (Removed 1992-93).....	A25
25.	9/15/12 Sampling Results - Former White Pass Fuel Depot Site .....	A26
26.	9/15-17/12 Sampling Results - Planer Ditch Line.....	A27
27.	9/14-19/12 Sampling Results - Barker Area Excavations.....	A28
28.	10/25-27/12 Sampling Results - Barker Area Excavations .....	A29





WRANGELL ISLAND

SHOEMAKER BAY

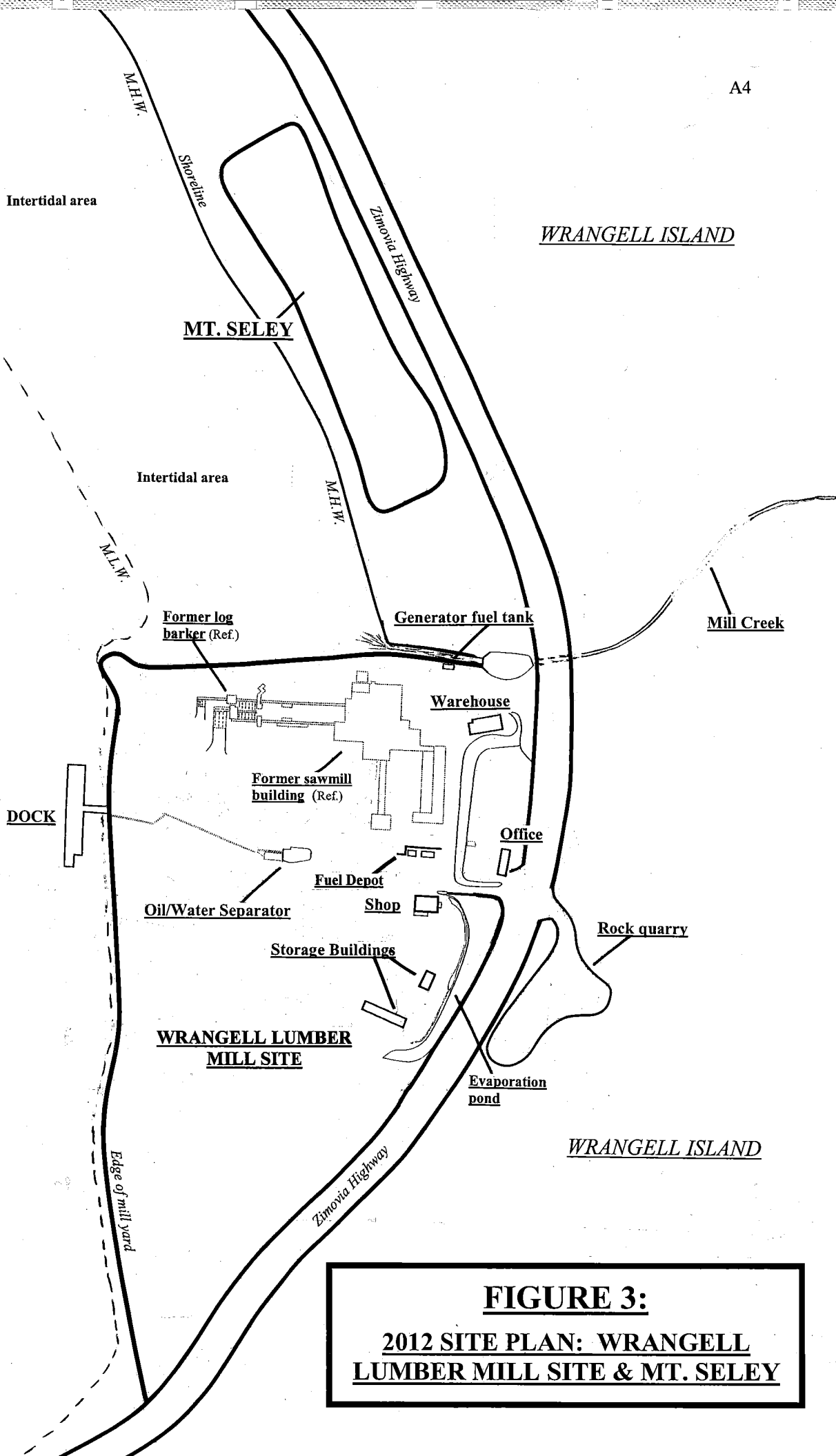


**FIGURE 2:**  
**1990's SITE PLAN: WRANGELL LUMBER SAWMILL & MT. SELEY**



SHOEMAKER BAY

SHOEMAKER BAY

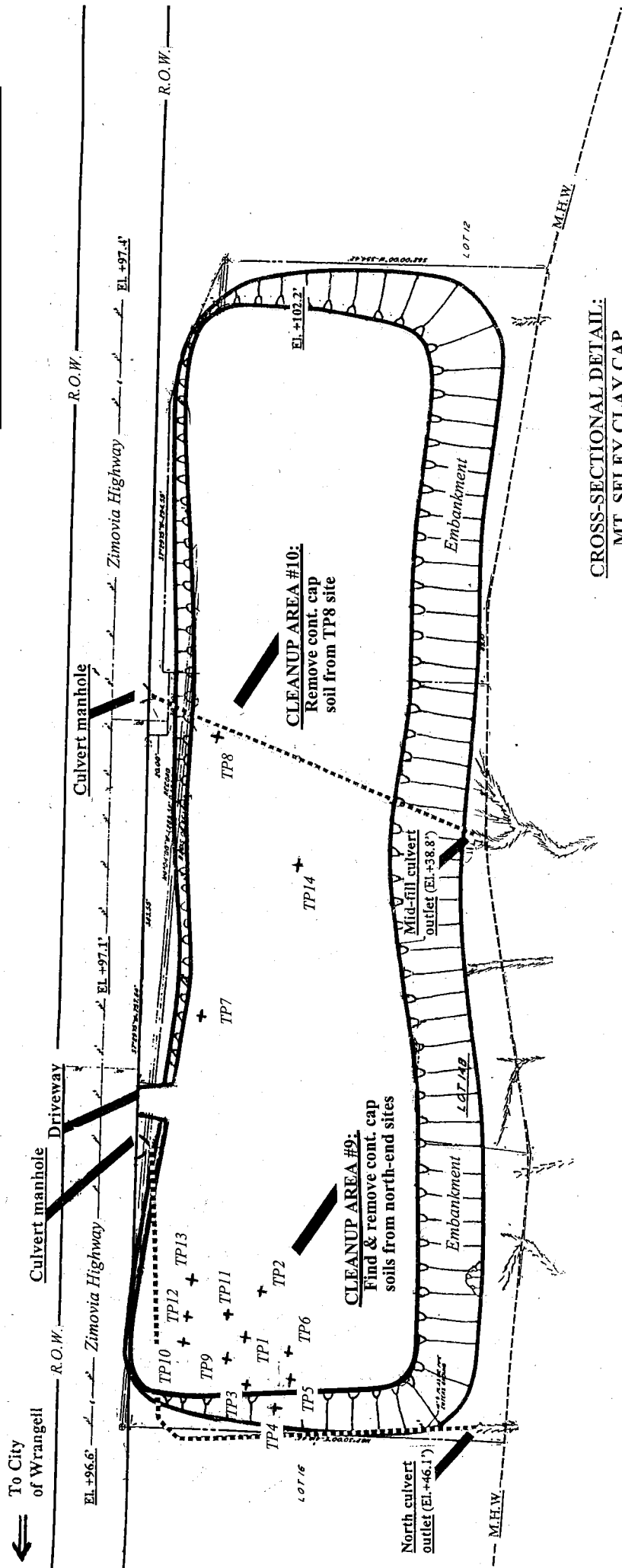


**FIGURE 3:**  
**2012 SITE PLAN: WRANGELL LUMBER MILL SITE & MT. SELEY**

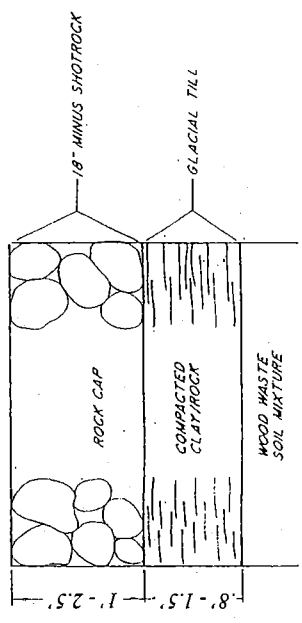


WRANGELL ISLAND

**NOTE:**  
 10/13/11 NORTECH test pit locations TP1 through TP14 are shown by small crosses. Three test pits were sampled, & DRO levels for TP3, TP8 & TP1 were 3,470, 308 & 149 mg/m<sup>3</sup>



**CROSS-SECTIONAL DETAIL:  
 MT. SELEY CLAY CAP**



Intertidal area

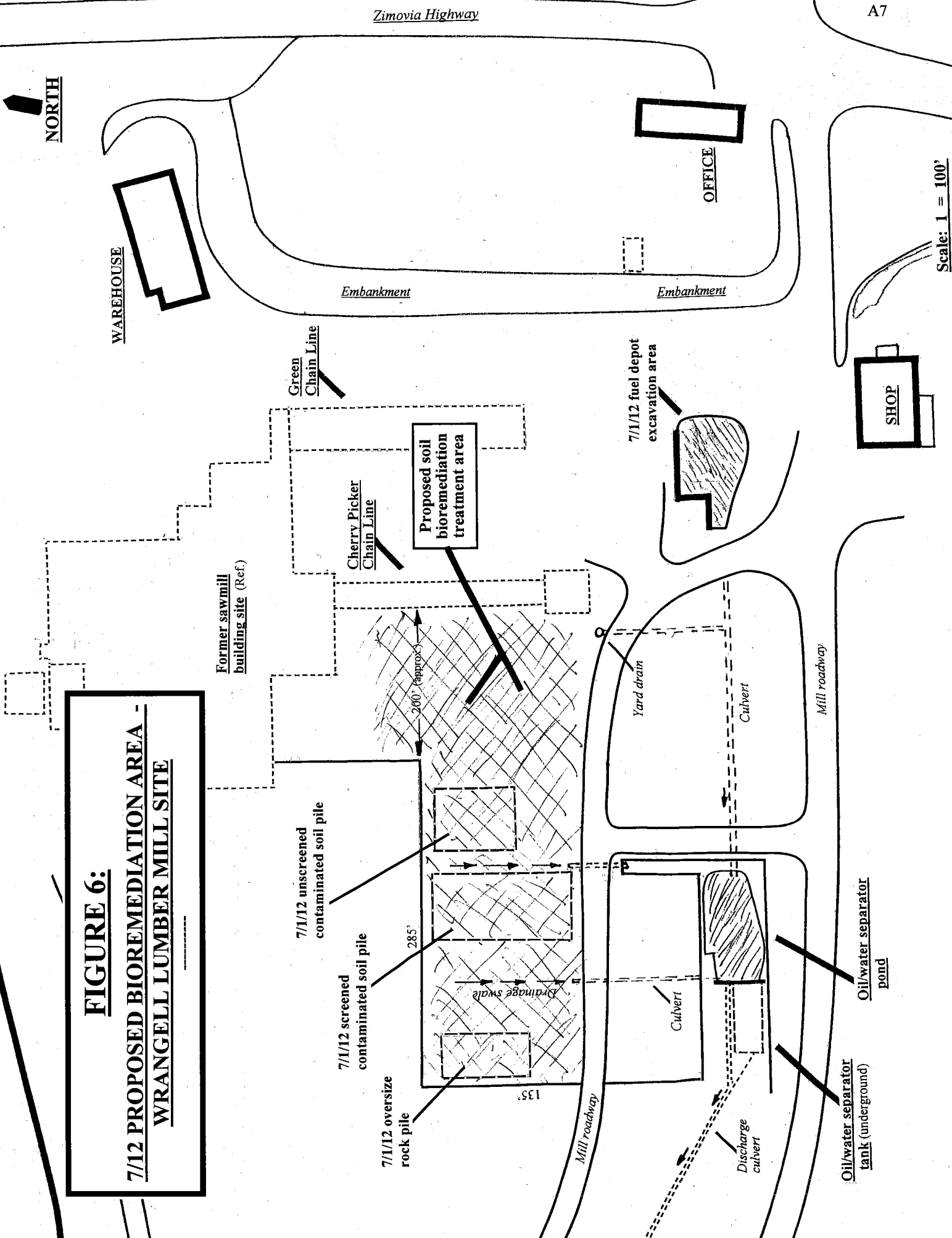
Intertidal area

**FIGURE 5:  
 MT. SELEY CLEANUP AREAS**

Scale: 1" = 160'

SHOEMAKER BAY

**FIGURE 6:**  
**7/12 PROPOSED BIOREMEDIATION AREA -**  
**WRANGELL LUMBER MILL SITE**



**NORTH**

A8

To City of  
Wrangell

<b>SAMPLE ANALYSIS RESULTS</b>				
Sample No.	Date	Sample Depth	Diesel Range (mg/kg)	Residual Oil Range (mg/kg)
JT-2	7/1/12	54"	120	110
JT-3	"	36"	11	52
JT-4	"	6"	42	120
JT-5	"	6"	20	56
JT-6	"	6"	150	210

<b>CHARACTERIZATION SAMPLE RESULTS</b>				
Sample No.	Date	Sample Depth	Diesel Range (mg/kg)	Residual Oil Range (mg/kg)
JT-1	7/1/12	24"	120	150

PARKING AREA

PARKING AREA

Zimovia Highway

Zimovia Highway

Entrance

OFFICE

Covered parking area

Turnaround area

Rope-&-post barrier

10'-dia.x6'-high pile of assumed-clean soil

Former Jet-A fuel tank site (Ref.)

6'-dia. pile of potentially contaminated soil

8'x30'x4.5'-deep excavation on 7/1/12

Embankment

Embankment

Embankment

Access road to mill site

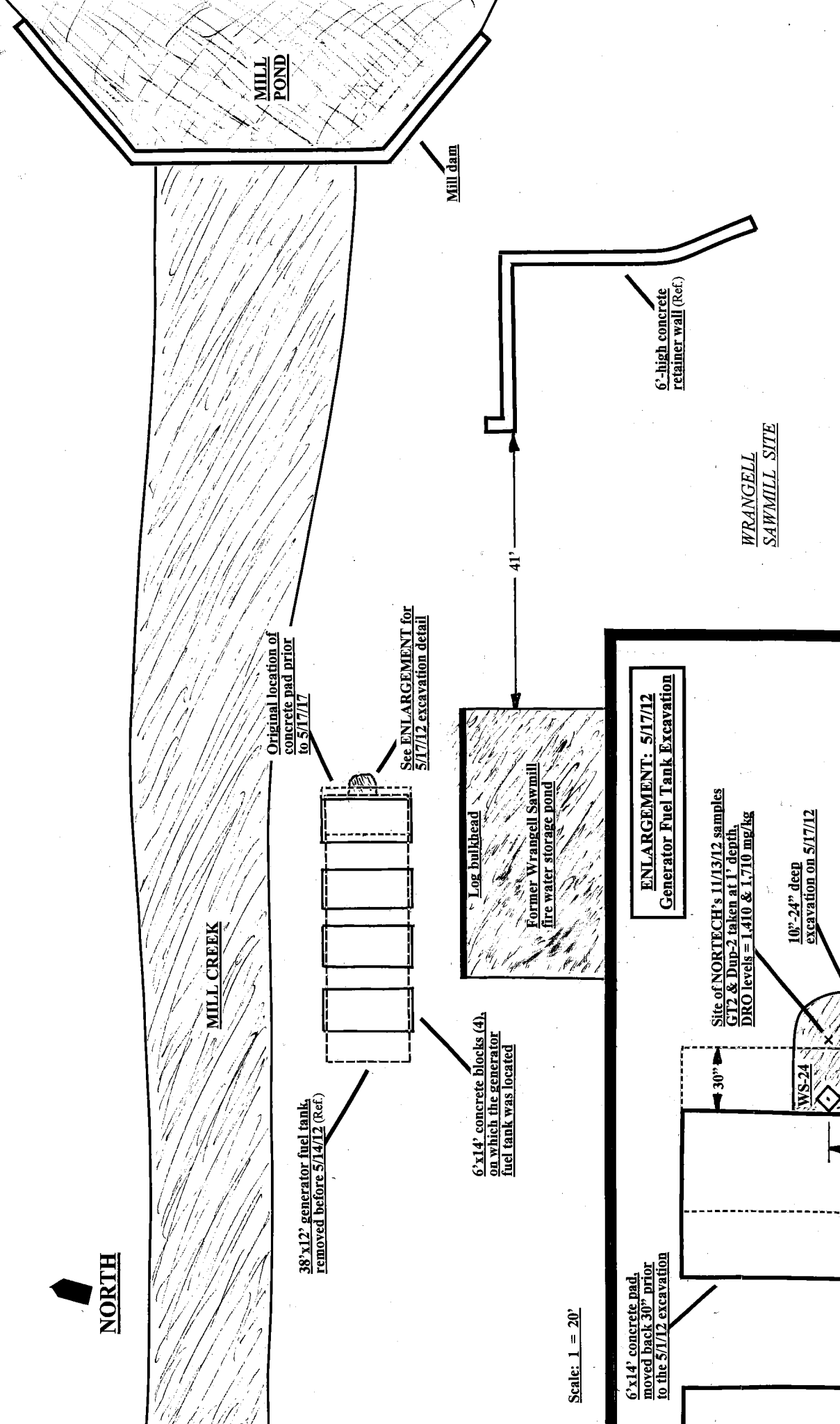
**FIGURE 7:**

**7/1/12 SAMPLING RESULTS - JET-A FUEL TANK SITE**

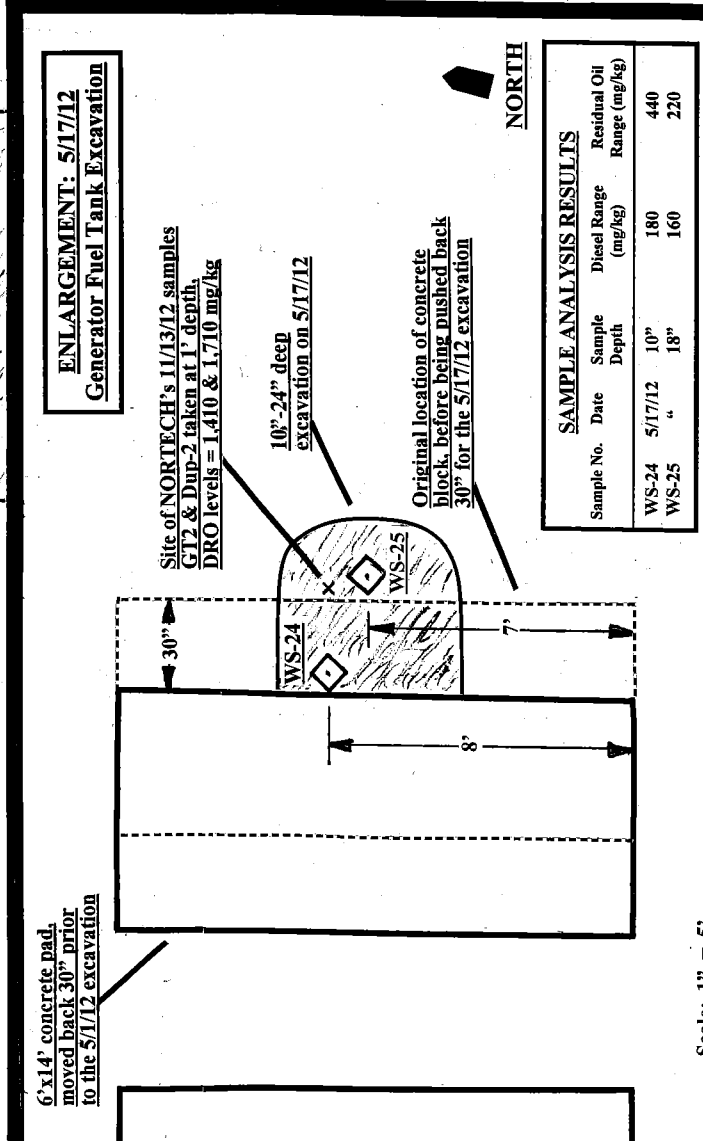
**Wrangell Lumber Mill Site**

Scale: 1" = 30'





**FIGURE 8:**  
**5/17/12 SAMPLING RESULTS -**  
**GENERATOR FUEL TANK SITE**  
 Wrangell Lumber Mill Site



**ENLARGEMENT: 5/17/12**  
**Generator Fuel Tank Excavation**

Site of NORTECH's 11/13/12 samples  
 G12 & Dup-2 taken at 1' depth.  
 DRO levels = 1,410 & 1,710 mg/kg

10'-24" deep  
 excavation on 5/17/12

Original location of concrete  
 block, before being pushed back  
 30" for the 5/17/12 excavation

NORTH

SAMPLE ANALYSIS RESULTS				
Sample No.	Date	Sample Depth	Diesel Range (mg/kg)	Residual Oil Range (mg/kg)
WS-24	5/17/12	10"	180	440
WS-25	"	18"	160	220

Scale: 1" = 20'

Scale: 1" = 5'