Cleanup Action Report
for the
Calder Bay Limestone Project

Prince of Wales Island, Southeast Alaska

Prepared
for

SeaCal LLC
18000 International Boulevard, Suite 1009
Seattle, WA 98188

Prepared
by

Carson Dorn, Inc.
712 West 12th Street
Juneau, Alaska 99801

November 2004

CLEANUP ACTION REPORT
for the

CALDER BAY LIMESTONE PROJECT

TABLE OF CONTENTS

1.0 INTRODUCTION AND BACKGROUND 1

2.0 PURPOSE 1

3.0 SITE DESCRIPTION 2

4.0 2004 CLEANUP EFFORT 2

4.1 SUMMARY 2
4.2 DRUM CONSOLIDATION AND SHIPMENT 3
4.3 CAMP GENSET 3
4.3.1 Cleanup Action 3
4.3.2 Confirmation Sampling and Results 3
4.3.3 Groundwater and Surface Water 4
4.4 TWO 20,000-GALLON ABOVE-GROUND TANKS 4
4.4.1 Cleanup Action 4
4.4.2 Confirmation Sampling and Results 4
4.4.3 Groundwater and Surface Water 5
4.5 BIOCELL 5
4.5.1 Location and Construction Details 5
4.5.2 Sample Results 5

5.0 CONCLUSION AND RECOMMENDATIONS 6

5.1 CONTAMINATION REMAINING IN PLACE 6
5.1.1 Camp Genset 6
5.1.2 20,000-Gallon Tanks 6
5.1.3 Biocell 6
5.2 RECOMMENDATIONS 7

APPENDIX A ..... FIGURES
APPENDIX B ..... DATA SUMMARY TABLE
APPENDIX C ..... SITE PHOTOGRAPHS
APPENDIX D ..... WASTE MANIFEST DOCUMENTATION
APPENDIX E ..... LABORATORY ANALYTICAL RESULTS

1.0 Introduction and Background

On behalf of SeaCal LLC, Carson Dorn Inc. (CDI) conducted a contaminated soil inspection and cleanup effort at the Calder Limestone Project in July through September 2004.

The project began with a site inspection conducted July 27 and 28, 2004. Based on the results of the inspection, a cleanup plan was developed addressing removal of contaminated soil that was accessible at the site and treatment of this soil in a bioremediation cell. In addition, the plan outlined the consolidation, removal and disposal of approximately 70 drums and their contents found at the site during the site inspection. ADEC approved the cleanup plan on September 13, 2004, categorizing the site in the "Streamlined Cleanup Program". The cleanup itself was implemented during the weeks of September 6 and September 20, 2004.

The cleanup effort is summarized in Section 4.0 of this report. All figures are found in Appendix A. Figure 1 is a location and vicinity map of the site. Figure 2 shows the cleanup areas. Data summary tables are found in Appendix B. Table 1 presents the soil sample results for each of the areas as well as the soil sample results for the biocell. Site photographs are found in Appendix C, and shipping and disposal documentation for the drums is found in Appendix D. All laboratory analytical results for the project are found in Appendix E.

2.0 Purpose

The purpose of this report is to summarize the 2004 cleanup effort and to request approval from the Alaska Department of Environmental Conservation (ADEC) for a conditional no further action determination for contamination remaining at the site.

3.0 Site Description

The Calder Limestone Project is located on the northern tip of Prince of Wales Island in Southeast Alaska, on land owned by the Sealaska Native Corporation (see Figure 1). Mining of the limestone deposit has been underway for approximately the last ten years. The operation is a small facility consisting of a dock for loading ore onto marine vessels, a camp located about 1.3 miles by road from the dock facility that includes an office and bunkhouses served by a small generator (camp genset) housed in a connex with an associated 500 gallon diesel fuel tank, and a fueling station located about 0.2 miles by road from the dock facility and consisting of two 20,000 gallon diesel fuel tanks and a drum storage area. A rock pit located about 0.5 miles from the dock facility was selected for the site of the bioremediation cell. Figure 2 shows the various site features.

4.0 2004 Cleanup Effort

4.1 Summary

The initial site inspection consisted of a visual inspection of the facility and some limited soil sampling. The inspection documented petroleum contamination in surface soils around the camp genset and tank, and also downhill of two 20,000-gallon above-ground tanks. In addition, a stockpile of about seventy 55-gallon drums, partially full of petroleum products, was found stored near the 20,000-gallon tanks. Finally, a small stockpile of 15 cubic yards of diesel-contaminated soil previously excavated from the camp genset and 20,000-gallon tank sites was found stored at the selected location for the biocell. Five soil samples were collected from the different areas and analyzed for DRO and RRO. The results are presented in Table 1 of Appendix B. In August and September 2004, the drums were consolidated and shipped off site. In September 2004, contaminated soil at the camp genset and 20,000-gallon tank sites was excavated and placed into the biocell. Final confirmation sampling in the excavations as well as at the biocell was conducted in early October 2004. The results of the cleanup effort and sampling are presented in the following sections.

4.2 Drum Consolidation and Shipment

In late August 2004, Larry Wilkinson of CDI returned to Calder and consolidated drum liquids based upon type, reducing the number requiring off-site shipment and disposal to 51 full or partially full drums. Fourteen new drums were shipped to the site for containerizing some of the liquids. All drums with liquids were then labeled, banded and palletized, and loaded with the empty drums onto the Sea Truck landing craft. They were then transported to Craig, Alaska where the empty drums were disposed of at the Klawock Landfill and the drums containing liquids were shipped to Seattle for treatment and recycling. Waste manifest paperwork is enclosed in Appendix D.

4.3 Camp Genset

4.3.1 Cleanup Action

Contaminated soil was excavated from accessible areas in front of and alongside the genset and tank in September 2004. Samples G-1 and G-2 had been collected in these same areas during the July 2004 site inspection. Approximately five cubic yards of material was removed with a rubber-tired backhoe and placed into the biocell. The excavated material was coarse crushed rock and soil that transitioned to shotrock or fractured bedrock within 12-18" of the original surface. Excavation below that transition was very difficult. Shallow groundwater was encountered just below the pad surface, roughly at the transition to shotrock. Petroleum-impacted soil immediately around and beneath the genset connex and associated tank could not be removed without complete decommissioning and relocation of the genset and therefore this material was not removed.

4.3.2 Confirmation Sampling and Results

In October, samples were collected from the excavation. Samples G-3 and G-4 were collected from depths of -9" and -2.5', respectively, with the latter being collected just above the water level in the excavation. The samples were analyzed for DRO and RRO. DRO in the two samples was 5,530 mg/kg in sample G-3 at the -9"depth, and 1,990 mg/kg at the -2.5'depth. Both samples exceeded ADEC's Method Two cleanup level of

230 mg/kg. RRO in the two samples was 114 mg/kg and 95.6 mg/kg, below the 8,300 mg/kg cleanup level.

4.3.3 Groundwater and Surface Water

Groundwater at the site is not used for drinking, and although it was encountered in the excavation, it was not sampled. No natural surface water streams are present near the camp genset cleanup area, but a ditch runs along the perimeter of the pad and collects surface water runoff from the pad. Some petroleum contamination was observed in the ditch and was collected with sorbant pads and boom. The ditch does not discharge to surface water, and therefore no petroleum contamination is likely to exit the site.

4.4 Two 20,000-Gallon Above-Ground Tanks

4.4.1 Cleanup Action

In September 2004, approximately five cubic yards of petroleum-contaminated material was excavated at the location of Sample T-1 (collected during the July site inspection). The material was removed to a depth of approximately 10" in an area downhill from the two 20,000-gallon tanks, near the drum storage area. The excavated material was coarse crushed or broken rock that transitioned to shotrock or fractured bedrock within 12-18" of the original surface. Excavation in the area was very difficult. Prior to this cleanup effort, 25 cubic yards of contaminated material had been removed from the site, of which 10 cubic yards were stored adjacent to the tank site and 15 cubic yards had been taken to the selected biocell location.

4.4.2 Confirmation Sampling and Results

In October, samples were collected from the excavation. Samples T-2 and T-3 were collected from depths of -10". No groundwater was observed in the excavation. The samples were analyzed for DRO and RRO. DRO in the two samples was 27.2 mg/kg and 888 mg/kg, respectively. The latter sample was collected near the former location of four of the 70 drums, which have all now been removed. RRO was non-detect in both samples.

4.4.3 Groundwater and Surface Water

No groundwater was observed in the excavation, and no surface water streams or ponds were noted near the cleanup area.

4.5 Biocell

4.5.1 Location and Construction Details

The site of the biocell was inspected during the July field visit. The site is located approximately ½ mile by road from the marine vessel dock, in a rock pit. Approximately 15 cubic yards of petroleum-contaminated soil previously excavated from the 20,000-gallon storage tank area was already stored at the site. A characterization sample (C-1) of this material was collected and found to have 4,780 mg/kg DRO.

In mid-September 2004, the biocell was constructed with a pad of clean material underlying a 20-mil liner. The dimensions for the cell were 25 feet by 100 feet. Contaminated material totaling approximately 45 cubic yards from the two excavations as well as the material previously excavated and stockpiled at the biocell site was placed into the cell, thoroughly mixed, and then roughly graded for a final maximum depth of 26" throughout. The cell slopes to the northwest. A collection sump was dug at the northwest corner to collect water that might drain from the cell. Sorbant material was placed in this pit to collect any accumulated petroleum product.

4.5.2 Sample Results

Following the incorporation of petroleum-contaminated soil into the biocell and the initial tilling, two samples were collected in October 2004. Samples C-2 and C-3 were analyzed for both DRO and RRO. DRO for the two samples was 1,230 mg/kg and 1,110 mg/kg, respectively, both of which are above the Method Two cleanup level of 230 mg/kg. RRO was 157 mg/kg and 101 mg/kg respectively, below the Method Two cleanup level of 8,300 mg/kg.

5.0 Conclusion and Recommendations

5.1 Contamination Remaining in Place

5.1.1 Camp Genset

Based on confirmation sample results collected from the excavation as well as visual observations, contamination does remains at the camp genset area. However, contamination that was accessible to the excavation equipment on site was removed, which reduced the DRO levels from a high of 48,500 mg/kg to 5,530 mg/kg. Contamination immediately beneath the genset and associated 500-gallon tank remains, and cannot be removed without complete decommissioning of the generator system. Based on site observations, contamination is not migrating off site other than runoff over and through the shotrock pad to the perimeter drainage ditch. Camp maintenance personnel are closely monitoring the ditch, keeping fresh sorbent pads in position to capture any contaminated seepage.

5.1.2 20,000-Gallon Tanks

Based on confirmation sample results collected from the excavation, some DRO contamination still remains at the fueling station/former drum storage area site, but was reduced from a high of 1,640 mg/kg to 888 mg/kg. The concentration of 888 mg/kg was attributed to minor surface contamination left behind from several drums previously stored at this location, and therefore the source has been adequately removed. The other confirmation sample collected at this site was 27.2 mg/kg, well below the Method Two of 230 mg/kg.

5.1.3 Biocell

Levels of DRO in the biocell are approximately 1,000 mg/kg and are expected to decline over the next several months. A course of fertilizer will be incorporated into the soil with an additional tilling, and then the cell will be covered for the winter and re-sampled in the spring.

5.2 Recommendations

Sample results and site observations at the camp genset and 20,000-gallon tank sites indicate that the majority of accessible contamination was removed during the 2004 cleanup effort. Contamination remaining in place poses no risk to human health or the environment. No impacts to surface water have been observed, nor are any anticipated. Marine waters are located at least ¼ of a mile from the closest area where DRO was found to exceed site cleanup levels.

Based on these conclusions, a determination of no further action is recommended for the site, conditional so that when the contamination becomes accessible, such as at facility upgrade or decommissioning, a complete cleanup should be conducted.

Table 1

Sealaska Calder Limestone Project

Summary of Soil Sample Results

2004 Characterization and Cleanup Efforts

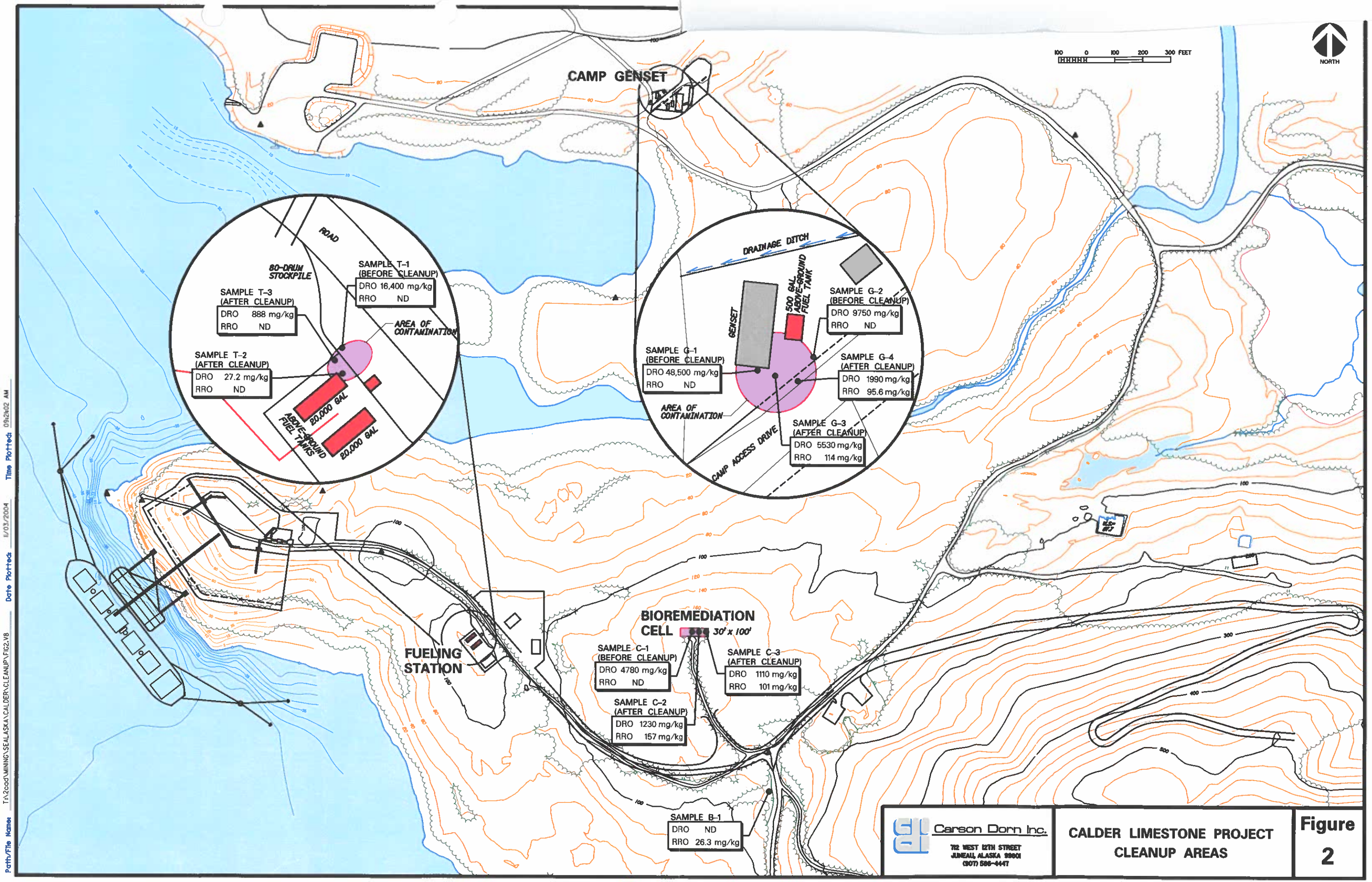
All units in mg/kg

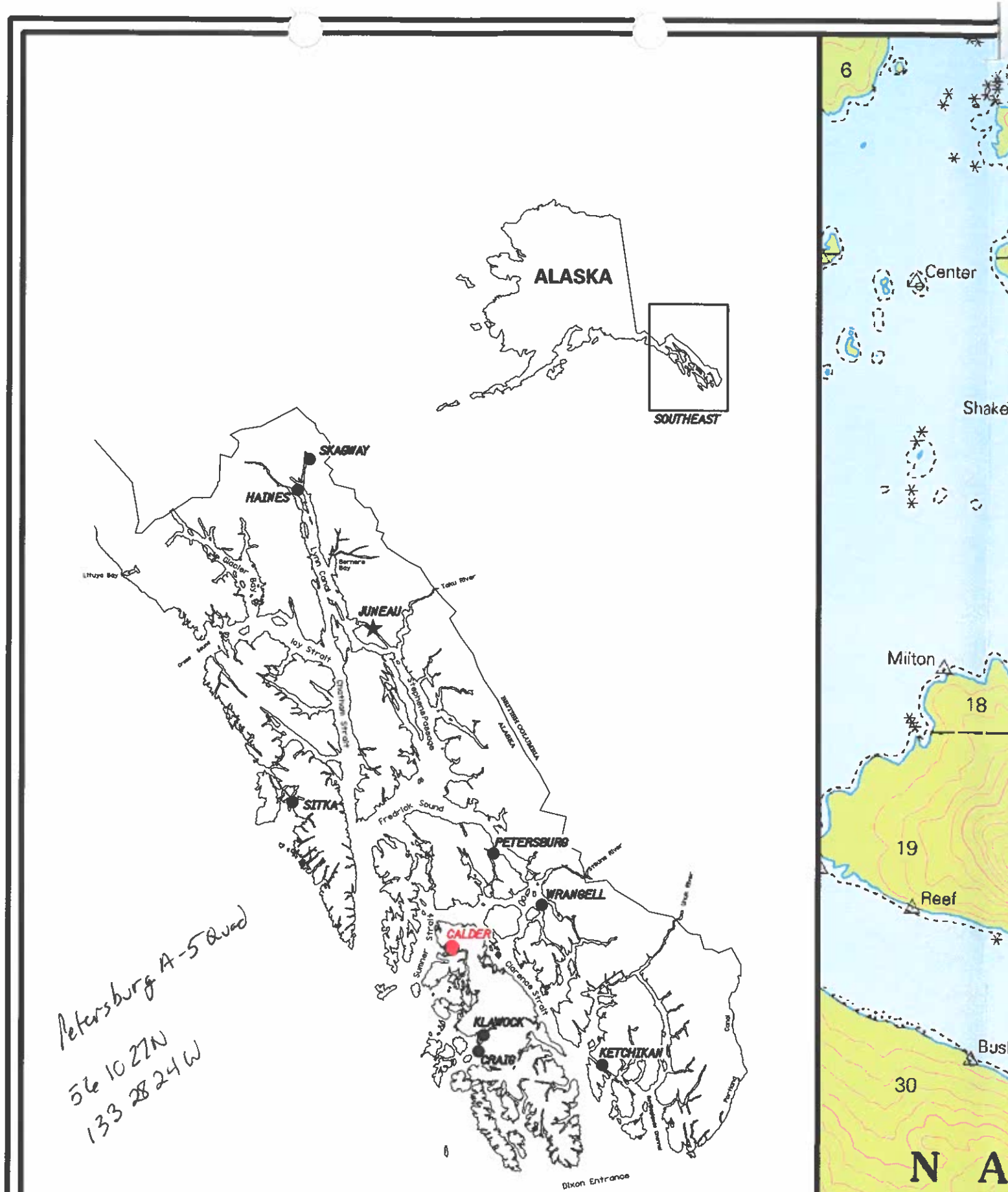
Sample No.	Site Description	Depth	Sample Date	Diesel Range Organics	Residual Range Organics	Total Organic Carbon
Method Two Cleanup Criteria				**230**	**8,300**	**N/A**
Camp Genset and Tank						
G-1	Camp genset, at door of connex, characterization sample	-4"	7/28/04	**48500**	ND	NS
G-2	Camp genset, at the 500 gallon tank, characterization sample	-4"	7/28/04	**9750**	ND	NS
G-3	Camp genset excavation confirmation sample	-9"	10/9/04	**5530**	114	5530
G-4	Camp genset excavation confirmation sample	-2' 6"	10/9/04	**1990**	95.6	13300
20,000 Gallon Tanks (Fueling Station)						
T-1	20,000-gallon tanks; end of the westerly tank, characterization sample	-4"	7/28/04	**1640**	ND	NS
T-2	excavation near two tanks, confirmation sample	-10"	10/8/04	27.2	ND(25)	ND(500)
T-3	excavation near two tanks and former drum storage area, confirmation sample	-10"	10/8/04	**888**	ND(25)	650
Biocell						
B-1	Clean carbonate stockpile, south of biocell location (proposed biocell base material)	-4"	7/28/04	ND	26.3	NS
C-1	biocell site- 15cy stockpiled contaminated soil prior to cleanup, characterization sample	-6"	7/28/04	**4780**	ND	NS
C-2	biocell sampling following incorporation of excavated contaminated soil	-6"	10/8/04	**1230**	157	1270
C-3	biocell sampling following incorporation of excavated contaminated soil	-6"	10/8/04	**1110**	101	763

N/A **Not Applicable**

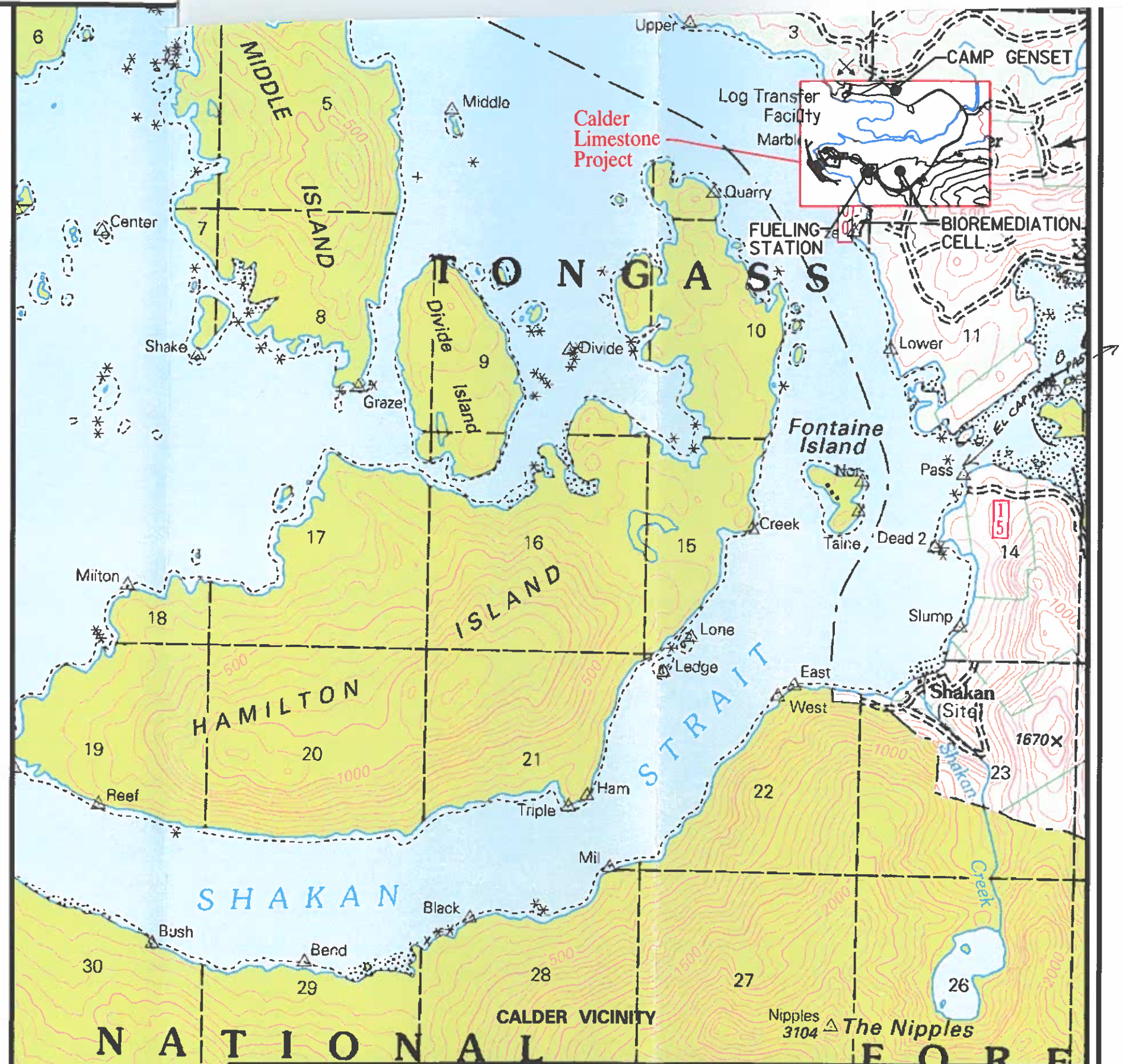
NS **Not Sampled**

ND(25) **Not detected at a concentration of 25 mg/kg**


CAMP GENSET
100 0 100 200 300 FEET
NORTH
ROAD
80-DRUM STOCKPILE
SAMPLE T-1 (BEFORE CLEANUP)
DRO 16,400 mg/kg
RRO ND
SAMPLE T-3 (AFTER CLEANUP)
DRO 888 mg/kg
RRO ND
AREA OF CONTAMINATION
SAMPLE T-2 (AFTER CLEANUP)
DRO 27.2 mg/kg
RRO ND
20,000 GAL
20,000 GAL
ABOVE-GROUND FUEL TANKS
DRAINAGE DITCH
500 GAL ABOVE-GROUND FUEL TANK
GENSET
SAMPLE G-2 (BEFORE CLEANUP)
DRO 9750 mg/kg
RRO ND
SAMPLE G-1 (BEFORE CLEANUP)
DRO 48,500 mg/kg
RRO ND
SAMPLE G-4 (AFTER CLEANUP)
DRO 1990 mg/kg
RRO 95.6 mg/kg
AREA OF CONTAMINATION
SAMPLE G-3 (AFTER CLEANUP)
DRO 5530 mg/kg
RRO 114 mg/kg
CAMP ACCESS DRIVE
FUELING STATION
BIOREMEDIATION CELL
30' x 100'
SAMPLE C-1 (BEFORE CLEANUP)
DRO 4780 mg/kg
RRO ND
SAMPLE C-3 (AFTER CLEANUP)
DRO 1110 mg/kg
RRO 101 mg/kg
SAMPLE C-2 (AFTER CLEANUP)
DRO 1230 mg/kg
RRO 157 mg/kg
SAMPLE B-1
DRO ND
RRO 26.3 mg/kg
Carson Dorn Inc.
712 WEST 12TH STREET
JUNEAU, ALASKA 99801
(907) 586-4447
CALDER LIMESTONE PROJECT
CLEANUP AREAS
Figure
2
Path/File Names T:\2cad\MINING\SEALASKA\CALDER\CLEANUP\Fig2.V8
Date Plotted 11/01/2004
Time Plotted 09:26:02 AM



SOUTHEAST ALASKA



Carson Dorn Inc.	CALDER LIMESTONE PROJECT LOCATION & VICINITY MAP	Figure 1

Path/File Names T:\2cad\MINING\SEALASKA\CALDER\CLEANUP\FIG1.V8 | Date Plotted 8/03/2004 | Time Plotted 09:23:29 AM

APPENDIX A

FIGURES

APPENDIX B

DATA SUMMARY TABLE

APPENDIX C

SITE PHOTOGRAPHS

July 31, 2004 Calder Bay Facility, Camp Genset: Light brown stains in calcium carbonate show where petroleum contamination was present.

July 31, 2004 Calder Bay Facility, Camp Genset: Close up view of surface staining.

July 31, 2004 Calder Bay Facility, Camp Genset:
Close up view of surface staining.

July 31, 2004 Calder Bay Facility, Two 20,000-Gallon Tanks: Surface contamination was observed in front of the right tank extending down the slope to the calcium carbonate in the foreground.

October 9, 2004; Calder Bay Facility, Camp Genset:
Test hole below final excavation to find bedrock or groundwater. Final excavation had stopped at shot rock.

October 9, 2004; Calder Bay Facility, Camp Genset:
Close up of Test hole below final excavation, note groundwater.

October 10, 2004; Calder Bay Facility, Camp Genset:
Drainage ditch behind camp genset. Sorbent pads are kept in ditch to intercept any seepage of contaminants from genset

July 31, 2004 Calder Bay Facility, Biocell Site:
Fifteen cubic yards of diesel contaminated soil stockpiled on site.

July 31, 2004 Calder Bay Facility, drum stockpile:
Portion of the 80 stockpiled drums that were consolidated and shipped out for recycling.

July 31, 2004 Calder Bay Facility, Two 20,000-Gallon Tanks:
Close up view of surface contamination.

July 31, 2004 Calder Bay Facility, Two 20,000-Gallon Tanks:
Close up view of surface contamination extending down
the slope to the calcium carbonate.

September 10, 2004; Calder Bay Facility, Drum Stockpile: Ready for pick up by landing craft.

September 2004; Calder Bay Facility, Camp Genset: Close up view showing final depth of excavation of contaminated soil. Contamination left in place beneath genset.

September 2004; Calder Bay Facility, Camp Genset: Close up view showing final depth of excavation of contaminated soil. Contamination left in place beneath fuel tank.

October 8, 2004; Calder Bay Facility, Two 20,000-Gallon Tanks: Close up view showing final depth of excavation of contaminated soil. Note prominence of large shot rock precluding additional excavation.

September 2004; Biocell: This view shows biocell construction elements. Cell is about 50% complete.

October 9, 2004; Biocell: This view shows completed biocell after about one month of operation. No seepage of oil was noted from cell.

APPENDIX D

WASTE MANIFEST DOCUMENTATION

— In case of Emergency Call 1-800 24-9300 — BK#2662

NON-HAZARDOUS WASTE MANIFEST

93-916-AK024S

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CESQG

Manifest Document No. 2453A

2. Page 1 of 1

3. Generator's Name and Mailing Address
SEACAL, LLC (C/O Carson Dorn, Inc)
712 W. 12TH St. Juneau AK 99801

Connex TRIV270768

4. Generator's Phone (907) 586 4447

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
Northland Services, Inc	WAD981773005	B. Transporter 1 Phone (800)426311
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID
Emerald Services, Inc	WAD058364647	D. Transporter 2 Phone (206)832-300

9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
Emerald Services, Inc 1825 Alexander Ave Tacoma, WA 98421	WAD981769110	F. Facility's Phone (253) 627-4822

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Material Not Regulated by D.O.T. (Spent antifreeze for recycle)	03	DM	1300	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) AF 78 Non-regulated antifreeze

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Lawrence E. Wilkinson
Signature: L.E. Wilkinson
Date: Month 9 Day 21 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Shannon Christie
Signature: Shannon Christie
Date: Month 10 Day 12 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID A. SOLOS
Signature: David A Solos
Date: Month 10 Day 12 Year 04

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Michelle Caelune
Signature:
Date: Month 10 Day 13 Year 04

NON-HAZARDOUS WASTE

In case of emergency Call 1-800-424-9300 DK# 264408

NON-HAZARDOUS WASTE MANIFEST 93-916-AK0245

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CESQG

Manifest Document No. 2453C

2. Page 1 of 1

3. Generator's Name and Mailing Address
SEACAL, LLC (C/O Carson Dorn, Inc)
712 W. 12th St. Juneau AK 99801

Connex TRIU270768

4. Generator's Phone (907) 586-4447

5. Transporter 1 Company Name: Northland Services, Inc
6. US EPA ID Number: WAD981773005
A. State Transporter's ID
B. Transporter 1 Phone (800) 426-3113

7. Transporter 2 Company Name: Emerald Services, Inc
8. US EPA ID Number: WAD058364647
C. State Transporter's ID
D. Transporter 2 Phone (206) 832-3000

9. Designated Facility Name and Site Address
Emerald Petroleum Services
1500 Airport Way S.
Seattle, WA 98134
10. US EPA ID Number: WAD058367152
E. State Facility's ID
F. Facility's Phone (206) 832 3090

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Material Not Regulated by D.O.T. (New Oil)	09	DM	4000	P
b. Material Not Regulated by D.O.T. (Grease)	02	DM	1000	P
c. Material Not Regulated by D.O.T. (Oily water)	01	DM	440	P
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
a) G02907 Used Oil
b) G04716 Petroleum Grease
c) G00501 Oily Water

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
b) Overpacked into 85G drums

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Lawrence E. Wilkinson
Signature: Lawrence E. Wilkinson
Date: Month 9 Day 21 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Mitchell D. Anderson
Signature:
Date: Month 10 Day 13 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID A. SORGS
Signature: David A Sorgs
Date: Month 10 Day 13 Year 04

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Tony Boyce
Signature: Tony Boyce
Date: Month 10 Day 15 Year 04

In case of emergency call 1-800 424-9300 BK#2644[illegible]

NON-HAZARDOUS WASTE MANIFEST 93-916-AK0245

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CESQG

Manifest Document No. 2453B

2. Page 1 of 1

3. Generator's Name and Mailing Address
SEACAL, LLC (c/o Carson Dorn, Inc)
712 W. 12TH St Juneau, AK 99801

Connex TRIU163989

4. Generator's Phone (907) 586-4447

5. Transporter 1 Company Name: Northland Services, INC

6. US EPA ID Number: WAD 981773005

A. State Transporter's ID

B. Transporter 1 Phone: (800) 426-3113

7. Transporter 2 Company Name: Emerald Services, Inc

8. US EPA ID Number: WAD058364647

C. State Transporter's ID

D. Transporter 2 Phone: (206) 832-3000

9. Designated Facility Name and Site Address
Emerald Petroleum Services
1500 Airport Way
Seattle, WA 98134

10. US EPA ID Number: WAD058367152

E. State Facility's ID

F. Facility's Phone: (206) 832-3090

	11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
GENERATOR	X a. Flammable Liquids, NOS (Gasoline), 3, UN1993, PG III ERG #128	07	DM	3000	P
	X b. Combustible Liquid, NOS (diesel) combustible, NA1993, PG III	17	DM	7500	P
	X c. Combustible Liquid, NOS (oil, diesel) Combustible, UN1993, PG III ERG #128	05	DM	2200	P
	d. Material Not Regulated by DOT (black oil)	07	DM	3000	P

G. Additional Descriptions for Materials Listed Above
a) G02901G Gasoline
b) G02901DK Diesel
c) G02902 used oil w/diesel
d) G02907 used oil

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lawrence E, Wilkinson	L.E. Wilkinson	9 / 21 / 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Mitchell D Anderson	[signature]	10 / 13 / 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
David A. Socos	[signature]	10 / 13 / 04

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Nick Nicolaisen	[signature]	10 / 13 / 04

NON-HAZARDOUS WASTE

APPENDIX E

LABORATORY ANALYTICAL DATA

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

26 August 2004

Sally Schlichting
Carson Dorn, Inc.
712 W. 12th Street
Juneau, AK 99801

RE: Calder Bay

Enclosed are **amended** results of analyses for samples received by the laboratory on 07/31/04 09:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Robert Greer
Project Manager