1. Incident Name Bremerton MGP Waste Release	2. Operational Period to be covered by IAP (Date/Time) From: 14OCT10 To: 18OCT10	CG IAP COVER SHEET

3. Approved by Incident Commander(s):

ORG	NAME
USCG	FOSC Captain Scott Ferguson (206)217-6001
EPA	FOSC Kathy Parker (206)321-3796
DOE	SOSC Brad Martin (425)941-7698
DNR	Shayne Cothern (360)790-7691
KITSAP CO	Grant Holdcroft (360)621-2129

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

- [x] ICS 202-CG (Response Objectives)
- [ ] ICS 203-CG (Organization List) – OR – ICS 207-CG (Organization Chart)
- [ ] ICS 204-CGs (Assignment Lists)
  One Copy each of any ICS 204-CG attachments:
- [x] ICS 205-CG (Communications Plan)
- [ ] ICS 206-CG (Medical Plan)
- [ ] ICS 208-CG (Site Safety Plan) or Note SSP Location _____
- [x] Map/Chart
- [x] Weather forecast / Tides/Currents

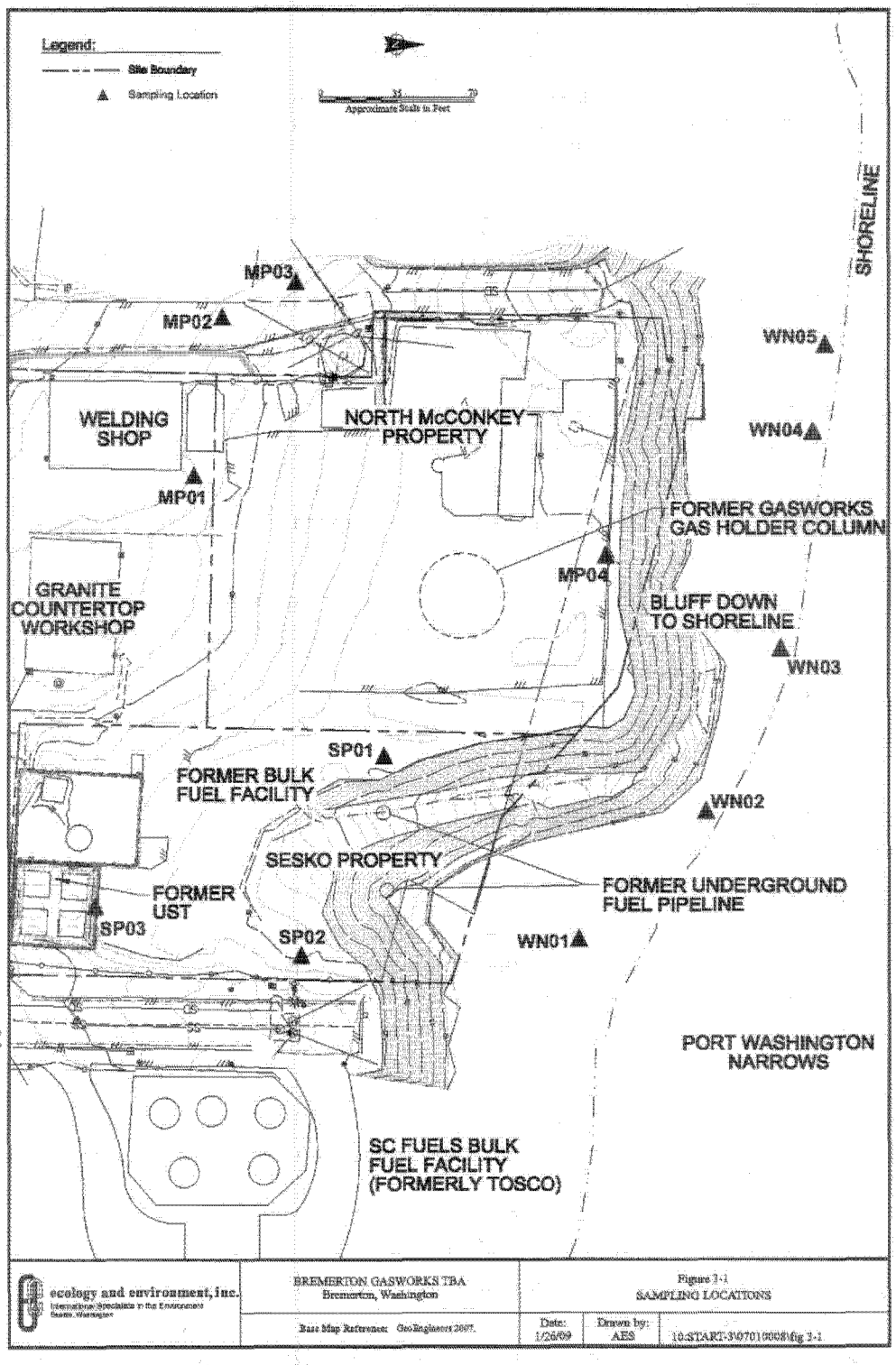
Other Attachments

- [x] ICS 201-CG Incidnet Briefing
- [x] Ballard Diving and Salvage proposal
- [x] Hydrocarbon Identification Analysis 30SEP10
- [x] ICS 232-CG Resource Risk Assessment
- [x] EPA PAH Results
- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____

4. Prepared by:	Date/Time
MST2 Kevin Mallick	14 OCT 2010 1430

1. Incident Name	2. Prepared by: (name) MST1 WOOD	INCIDENT BRIEFING
BREMERTON MGP WASTE RELEASE	Date: 14 OCT 2010 Time: 1435	ICS 201-CG

3. Map/Sketch (include sketch, showing the total area of operations, the incident site/area, overflight results, trajectories, impacted shorelines, or other graphics depicting situational and response status)



3-9

1. Incident Name	2. Prepared by: (name) MST1 WOOD	INCIDENT BRIEFING
BREMERTON MGP WASTE RELEASE	Date: 14 OCT 2010 Time: 1435	ICS 201-CG

4. Current Situation: MGP COAL TAR CREOSOTE WASTE (CREOSOTE RQ 1 LB) IS RELEASING INTO THE ENVIRONMENT FROM AN UNDERGROUND PIPE IVO PORT WASHINGTON MARINA, BREMERTON WA. THE PROPERTY SURROUNDING THE RELEASE USED TO BE BREMERTON GASWORKS AND HAS BEEN UNDER ASSESSMENT FOR THE NATIONAL PRIORITIES LIST BY THE EPA. TO DATE THE SITE HAS NOT BEEN DESIGNATED AS A SUPERFUND SITE. IT IS ESTIMATED THAT THE RELEASE HAS BEEN ONGOING FOR TWO WEEKS. THE AFFECTED AREA IS ONLY ACCESSIBLE DURING PERIODS OF LOW TIDE. THE SOURCE IS SUBMERGED IN 6 FEET OF WATER DURING HIGH TIDE. THE TIDAL FLAT AREA IS MANAGED BY WASHINGTON DEPARTMENT OF NATURAL RESOURCES. THE SOURCE HAS BEEN SURROUNDED BY A SILT FENCE TO CONTAIN SEDIMENT CONTAMINATION DURING TIDAL SHIFT AND SORBENT BOOM HAS BEEN DEPLOYED SURROUNDING THE PIPE TO CONTAIN ANY WATERBORNE POLLUTION. A 12 FT SECTION OF THE PIPE HAS BEEN EXCAVATED AND REVEALED THE PIPE IS CONSTRUCTED OF 4 FT SECTIONS AND HAS AN EXTERIOR DIAMETER OF 12 INCHES. THE PRODUCT IS RELEASING FROM A DISJOINTED BELL JOINT. SIMILAR JOINTS CONNECT EACH 4 FT SECTION OF PIPE. A SMALL RELEASE WAS OBSERVED AT A SECOND BELL JOINT 12 FT INLAND FROM THE ORIGINAL SOURCE. THE SURROUNDING GROUND AREA IVO THE PIPE IS HEAVILY CONTAMINATED. THE PIPE SOURCE IS UNKNOWN WITH AN UNKNOWN RELEASE POTENTIAL. THE LEGACY GASWORKS PROPERTY IS SPLIT BY TWO OWNERS, ONE IS RESPONSE AND THE OTHER REMAINS ELUSIVE.

5. Initial Response Objectives, Current Actions, Planned Actions

05 1430	RECEIVED A REPORT OF RELEASE OF MGP COAL TAR CREOSOTE RELEASE
1500	CONTACTED EPA AND DOE. EPA HIRED GLOBAL DIVING AND SALVAGE TO DEPLOY BOOM ON SITE OF RELEASE
06 1000	ON SCENE AT SITE OF RELEASE AND CONDUCTED SAFETY BRIEF
1005	CONDUCTED ON SITE ASSESSMENT OF POLLUTION THREAT
1015	ADJACENT PROPERTY OWNER ARRIVED ON SCENE
1044	CONTACTED DNR TO CONFIRM OWNERSHIP OF IMPACTED PROPERTY
1130	KITSAP PUBLIC HEALTH ON SCENE
1150	CONTACTED NPFC TO DISCUSS FUNDING OPTIONS FOR POTENTIAL CG MANAGED RESPONSE
1230	RETURN TO BASE
1340	CONTACTED EPA TO ARRANGE JOINT SITE VISIT TO DISCUSS AND COORDINATED RESPONSE
07 1300	JOINT TELECOM WITH PST AND NPFC TO DISCUSS RESPONSE EFFORTS AND FUNDING CONSTRAINTS
08 1000	JOINT ON SCENE MEETING WITH EPA, DNR, KITSAP CO
1300	ASSUME FOSC
1322	CERCLA OPENED. CPN C11005
1330	GLOBAL DIVING AND SALVAGE HIRED TO SECURE RELEASE
2200	FOSC AND PI ON SCENE ON SITE WITH GLOBAL
2245	PIPE EXCAVATION BEGINS
2330	PIPE UNCOVERED
09 0000	DEPLOYED SLIT FENCE TO CONTAIN CONTAMINATED SOIL DURING TIDAL SHIFT
0100	SORBENT BOOM DEPLOYED TO CONTAIN WATERBORNE POLLUTION
0130	4 GAS ALARMS FOR LOW AND HIGH O2
0135	SITE EVACUATED
0145	DEPART STAGING AREA
1200	IMD AND PST VISIT SITE TO EVALUATE EFFECTIVENESS OF CONTAINMENT
1600	IMD, PST, EPA VISIT SIGHT TO CONDUCT AIR MONITORING PLAN AND GRID SAMPLING PLAN TO HELP IDENTIFY SOURCE/CONTAMINATION
2000	IMD, PST, EPA ON SCENE TO BEGIN OPERATIONS
2215	EPA BEGAN CALIBRATION OF AIR MONITORING EQUIPMENT
2330	MONITORING EQUIPMENT STAGED IVO RELEASE AND IDENTIFIED WORK AREAS
2345	GRID SAMPLING OPERATIONS BEGIN
10 0000	IMD AND PST RE-ASSESS THE BROKEN JOINT AS THE SOURCE. VISIBLE TAR BALLS WERE OBSERVED FLOWING FROM PIPE.

DNR-00011928

1. Incident Name BREMERTON MGP WASTE RELEASE	2. Prepared by: (name) MST1 WOOD Date: 14 OCT 2010 Time: 1435	INCIDENT BRIEFING ICS 201-CG

0010	SORBENT MATERIAL IS DEPLOYED TO RECOVER POLLUTION IVO BELL JOINT
0020	EXCAVATION BEGAN TO UNCOVER A LARGER PORTION OF THE CEMENT PIPE TO ASSES S THE MATERIAL CONDITION.
0045	PIPE OBSERVED TO BE FOUR FEET SECTIONS OF CEMENT PIPE CONNECTED WITH SIMILAR BELL JOINTS. TWELVE FEET INLAND FROM ORIGINAL LEAK POLLUTION IS OBSERVED IVO ANOTHER JOINT. AREA BETWEEN JOINTS HAS NO VISIBLE CONTAMINATION
0130	IMD AND EPA DISCUSS POSSIBLE OPTIONS TO PROCEED
0200	IMD ESTIMATES TRACK LINE OF UNDERGROUND PIPE BASED ON EXPOSED SECTIONS
0230	EXCAVATED AREA AROUND THE EXPOSED PIPE IS FILLED IN TO HELP CONTAIN RELEASE DURING TIDAL SHIFT
0415	GRID SAMPLING COMPLETED
0445	DECON OF ALL PERSONNEL AND EQUIPMENT
0500	OPERATIONS SECURED
1330	IMD ARRIVED AT SECTOR PUGET SOUND AND PRESENTED SITUATION
1400	MEETING SET FOR 12OCT10 TO DISCUSS FUTURE ACTIONS
11 1200	IMD CONTACTED GDS TO DISCUSS COST DOCUMENTATION
1230	IMD CONTACTED EPA AND PST TO DISCUSS RESPONSE TACTICS AND PLAN FOR MEETING ON 12OCT10
12 1300	IMD, PST AND DRAT CONDUCT CONFERENCE CALL TO DISCUSS FUTURE ACTIONS AND RESPONSE TACTICS
1400	IMD CONTACTED GDS, NRC AND BDS TO HAVE PROPOSED RESPONSE STRATEGIES DEVELOPED FOR UNIFIED COMMAND MEETING ON 14OCT10
13 1100	SECTOR PUGET SOUND COMMAND MEETING TO DISCUSS FUTURE ACTIONS. AGENDA DEVELOPED FOR 0845 UNIFIED COMMAND MEETING ON 14OCT10
1530	IAP COMPLETED FOR UC MEETING
14 0845	UC MEETING HELD,
1115	RESPONSE ACTION DECIDED
	FUTURE ACTIONS
	CONTINUE TO COORDINATE WITH STAKEHOLDERS TO DETERMINE SOURCE OF RELEASE AND MITIGATE MARINE IMPACT
	CONTINUE TO CONDUCT ATMOSPHERIC MONITORING OF THE SITE TO ENSURE WORKER SAFETY
	ONCE POLLUTION IMPACT TO MARINE AREA SECURED AND VISIBLE SHORE CONTAMINATION REMOVED, TRANSITION SITE BACK TO EPA FOR LONG TERM REMEDIATION
	CONTINUE EFFORTS TO DETERMINE PIPE OWNER/ RESPONSIBLE PARTY
	ISSUE NOTICE OF FEDERAL INTEREST TO ADJACENT PROPERTY OWNERS

1. Incident Name	2. Prepared by: (name) MST1 WOOD	INCIDENT BRIEFING
BREMERTON MGP WASTE RELEASE	Date: 14 OCT 2010 Time: 1435	ICS 201-CG

6. Current Organization (fill in additional appropriate organization)

MST1 Danielle Wood USCG (206) 661-4402

Kathy Parker EPA (206) 321-3796

Brad Martin WADOE (425) 941-7698

Shayne Cothern WADNR (360) 902-1064

Grant Holdcroft Kitsap Co Public Health (360) 337-5605

Safety Officer MST2 Kevin Mallick (206) 217-6212

Liaison Officer LCDR Wade Gough (206) 217-6214

Public Information Officer LT Jennifer Osborn (206) 217- 6623

Operations Section	Planning Section	Logistics Section	Finance Section

DNR-00011930

1. Incident Name	2. Operational Period (Date/Time)	INCIDENT OBJECTIVES ICS 202-CG
BREMERTON MGP WASTE RELEASE	From: 14OCT10 To: 18OCT10	

3. Objective(s)

1. PUBLIC SAFETY AND AWARENESS - SIGNS HAVE BEEN POSTED TO NOTIFY THE PUBLIC TO STAY OUT OF THE AFFECTED AREA. PRESS RELEASE IS READY FOR RELEASE AND WILL BE DONE BEFORE REMOVAL ACTIONS OCCUR. AIR MONITORING HAS TAKEN PLACE AND A SITE SAFETY PLAN HAS BEEN DRAFTED. NEARBY SHELLFISH BEDS HAVE BEEN CLOSED.

2. DETERMINE SOURCE - BALLARD DIVING AND SALVAGE HAS SUBMITTED A PROPOSAL THAT HAS BEEN ACCEPTED BY THE UNIFIED COMMAND. THIS PROPOSAL INCLUDES SENDING A CRAWLER (REMOTE OPERATED VEHICLE) INTO THE PIPE IN EACH DIRECTION TO FIND THE SOURCE OF CONTAMINATION. A PNEUMATIC PLUG WILL BE ON SITE INCASE OF AN EMERGENCY PLUG SCENERIO AND WILL ULTIMATELY BE USED IF THE DECISION IS MADE TO PERMANENTLY PLUG THE PIPE. UNIFIED COMMAND REQUESTS A RESPONSE TRAILER WITH BOOM AND RESPONSE EQUIPMENT BE ONSITE DURING PIPE CUTTING AND ENTRY. THE CRAWLER WILL BE EQUIPPED WITH LIGHTING AND A CAMERA TO DOCUMENT CONDITIONS IN THE PIPE. THE PIPE WILL BE EXPLORED IN BOTH DIRECTIONS FROM THE RELEASE TO GATHER ALL AVAILABLE INFORMATION. THIS OPERATION CAN BE CONDUCTED AT THE LOW TIDE OR AT HIGH TIDE VIA VESSEL LAUNCH.

3. SECURE RELEASE - AFTER THE CRAWLER HAS TRAVELED THE PIPE AND PROVIDED INFORMATION, THE UNIFIED COMMAND HAS DECIDED THAT THE SOURCE WILL BE SECURED IF POSSIBLE, AND THE PIPE WILL BE PLUGGED AT OR NEAR THE BLUFF WHICH BEGINS EPA JURISDICTION.

4. CLEANUP/ REMEDIATION - ONCE THE SOURCE HAS BEEN SECURED, THE COAST GUARD WILL REMOVE VISIBLE CONTAMINATION FROM TIDAL ZONE TO PREVENT FURTHER WATERWAY IMPACT. FURTHER REMEDIATION WILL BE TAKEN OVER BY THE US EPA.

4. **Operational Period Command Emphasis** (Safety Message, Priorities, Key Decisions/Directions)

SAFETY SHOULD REMAIN THE TOP PRIORITY IN ALL RESPONSE PHASES.

SITE SAFETY PLAN ATTACHED ALONG WITH BALLARD DIVING AND SALVAGE PROPOSAL.

ALL KEY DECISIONS SHOULD BE MADE BY THE UNIFIED COMMAND AND FUTURE ACTIONS WILL BE DISCUSSED WITH ALL INVOLVED PARTIES.

TRANSPARENCY ON THE OPERATION IS A PRIORITY. THE UNIFIED COMMAND WILL/HAS DESIGNATED PUBLIC AFFAIRS OFFICERS THAT WILL BE IN CONTACT TO COORDINATE PRESS RELEASES AND OR AVAILABLE PUBLIC INFORMATION.

Approved Site Safety Plan Located at: (ATTACHED)

5. Prepared by: (Planning Section Chief)	Date/Time
MST2 KEVIN MALLICK	14OCT10 - 1300

INCIDENT OBJECTIVES (ICS 202-CG)

Purpose. The Incident Objectives form describes the basic incident strategy, control objectives, command emphasis/priorities, and safety considerations for use during the next operational period.

Preparation. The Incident Objectives form is completed by the Planning Section following each Command and General Staff Meeting conducted in preparing the Incident Action Plan.

Distribution. The Incident Objectives form will be reproduced with the IAP and given to all supervisory personnel at the Section, Branch, Division/Group, and Unit levels. All completed original forms MUST be given to the Documentation Unit.

Item #	Item Title	Instructions
1.	Incident Name	Enter the name assigned to the incident.
2.	Operational Period	Enter the time interval for which the form applies. Record the start and end date and time.
3.	Objective(s)	Enter clear, concise statements of the objectives for managing the response. These objectives are for the incident response for this operational period and for the duration of the incident. Include alternatives.
4.	Operational Period Command Emphasis	Enter clear, concise statements for safety message, priorities, and key command emphasis/decisions/directions. Enter information such as known safety hazards and specific precautions to be observed during this operational period. If available, a safety message should be referenced and attached. At the bottom of this box, enter the location where approved Site Safety Plan is available for review.
	Site Safety Plan	Note location of the approved Site Safety Plan.
5.	Prepared By	Enter the name of the Planning Section Chief completing the form.
	Date/Time	Enter date (month, day, year) and time prepared (24-hour clock).

NOTE: ICS 202-CG, Incident Objectives, serves as part of the Incident Action Plan (IAP)

DNR-00011932

Unified Command Contact List
Bremerton MGP Waste Release

USCG	**MST1 Danielle Wood**	**(206) 661-4402**
US EPA	**OSC Kathy Parker**	**(206) 321-3796**
WA DOE	**SOSC Brad Martin**	**(425) 941-7698**
WA DNR	**Shayne Cothern**	**(360) 790-7691**
	Kristen Swenddal*	**(360) 556-3921**
Kitsap Public Health		
	Grant Holdcroft	**(360) 621-2129**

Secondary contact for when Mr. Cothern is unavailable.

Bremerton Gas Works
beach spill contacts

GPS: 47.57829
-122.64233

SSID: 10JS

1725 Pennsylvania Ave,
Bremerton WA 98310

		cell	office	
WDOE Chemist	Bob Carrell	(b) (6) [redacted]	360 871 8800	
WDOE Spills Program	Brad Martin		425 649 7092	bmar461@ecy.wa.gov
ERRS RM	Bryan Chernick			chernick@phoinixcorp.net
EandE START R1	Bryan Vasser			bvasser@ene.com
EPA ORC	Cliff Villa		206 553 1185	villa.cliff@epa.gov
Cascade Natural Gas	Daniel Meredith		206 381 6720	dan.meredith@mdu.com
USCG	Danielle Wood			
DNR Asst Reg Man Shoreline District	Derrick Toba		360 802 7006	derrick.toba@dnr.wa.gov
EPA PO	Gary Sink		206 553 4687	
Kitsap County Health	Grant Holdcroft		360 337 5605	holdcg@health.co.kitsap.wa.us
EPA PIO	Hanady Kader		205 553 0454	kader.hanady@epa.gov
Cascade Natural Gas Attorney	Howard Jensen		206 407 0501	jensen@tuppermackbrower.com
DNR PIO	Jane Chavey			
WDOT Manette bridge construction, P	Jeff Cook		360 204 0302	
EPA Geo OSC	Jeff Rodin		206 553 6709	
EPA SAM	Joanne Labaw		206 553 2594	labaw.joanne@epa.gov
Grant Solutions	Kathleen Byrne-Barrante		360 697 5815	grantsolutions@comcast.net
EPA Geo OSC	Kathy Parker		206 553 0062	parker.kathy@epa.gov
USCG	Kevin Mallick		206 217 6212	Kevin.W.Mallick@uscg.mil
DNR Aquatics Division Manager	Kristin Swenddal			kristin.swenddal@dnr.wa.gov
Suquamish Tribe Chair	Leonard Forsman		360 394 8461	lforsman@suquamish.nsn.us
WDOH Shellfish and Water Protection	Mark Toy		360 236 3321	mark.toy@doh.wa.gov
USCG	Mike Long			michael.c.long@uscg.mil
DNR Shoreline District Manager	Neal Cox			neal.cox@dnr.wa.gov
WDOE (site contact?)	Panjini Balaraju			pbal461@ecy.wa.gov
Bremerton Waste Water	Pat Jacobsen		360 473 5327	
Bremerton City Mayor	Patty Lent		360 473 5266	mayor@ci.bremerton.wa.us
Kitsap County Health	Richard Bazzel		360 307 4237	bazzer@health.co.kitsap.wa.us
Suquamish Tribe Fisheries	Rob Purser		360 598 3311	rpurser@suquamish.nsn.us
USCG	Ryan Johnson		206 217 6066	ryan.w.johnson@uscg.mil
DNR Fisheries Spill Responder	Shayne Cothern		360 902 1064	shane.cothern@dnr.wa.gov
EPA Chemist	Ted Haigh		360 871 8713	haigh.theodore@epa.gov
USCG Sector Puget sound	USCG Duty Officer		206 217 6002	

Sesko Property Owners	William, Natacha Sesko	3536 Arsenal Way, Bremerton
McConkey Property Owners		

Brief Incident Initial History:	**Date**
KHD rcd sheen report,	
KHD collected water samples	08/20/2010
Twiss labs analyzed waters	
KHD rcd sheen report,	
KHD obs heavy oil on beach, collected product sample	09/23/2010
WDOE lab analyzed product	
KHD rcd sheen report,	09/24/2010
KHD obs sheen, dug beach, coll samples	09/24/2010
KHD rcd sheen report,	
KHD ided loc of beach oil	10/01/2010
KHD dug beach pipe, contacted WDOE, EPA	10/04/2010
EPA, KHD coll product samples, boom	10/05/2010
EPA lab analyzed product	10/06/2010
USCG on site	10/07/2010
KHD, WDNR, EPA, USCG on site	10/09/2010

DNR-00011935

1. Incident Name	2. Operational Period (Date/Time)	RESOURCES AT RISK SUMMARY
Creosote Bremerton	Date: 07OCT10 Time: 1314	ICS 232-CG

3. Environmentally-Sensitive Areas and Wildlife Issues

Site #	Priority	Site Name and/or Physical Location	Site Issues
	2	Clam bed/ North of Anderson Cove	Species inhabit year round

Narrative

Wildlife sensitivity determined by consultation of ESI maps for area.

4. Archaeo-cultural and Socio-economic Issues

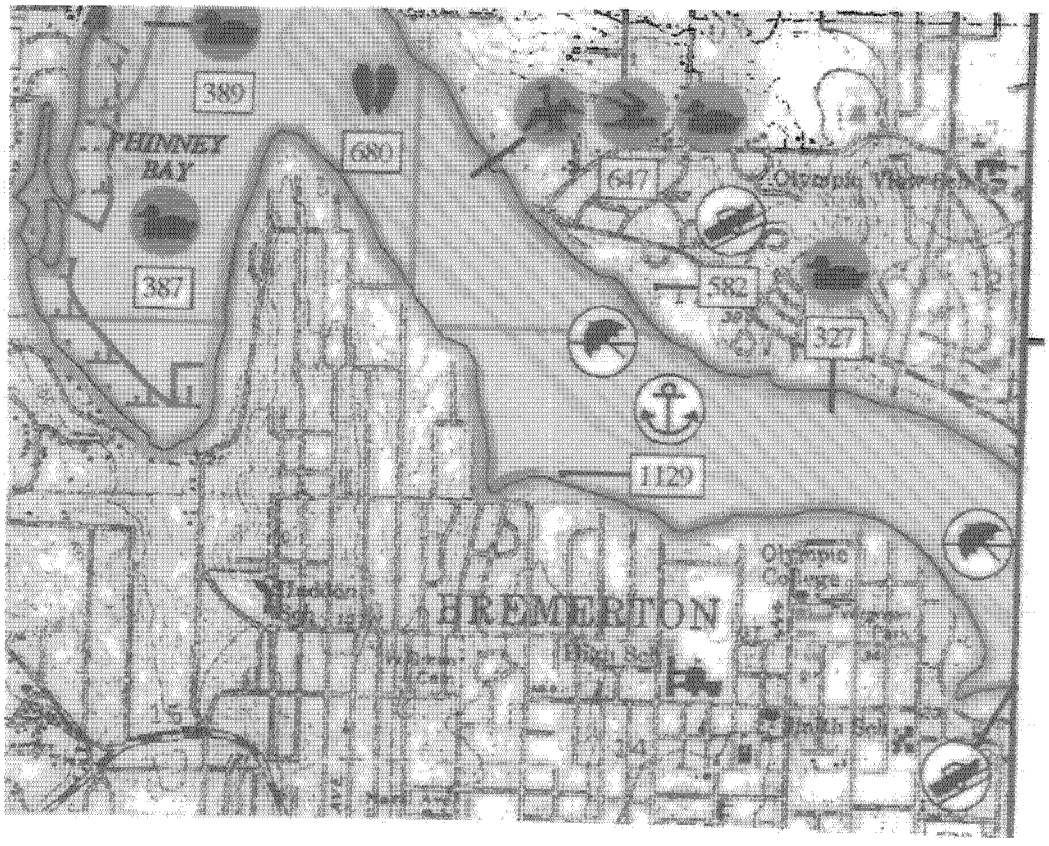
Site #	Priority	Site Name and/or Physical Location	Site Issues
	1	Port Washington Marina	Local marina with numerous live-aboard tenants. Have complained of strong odors and headaches occasionally
	3	Lions Park/ Directly across channel from site	City Rec Area

Narrative

Socio-Economic sensitivity determined by consultation of ESI maps as well as on-site evaluation by FOSCR and PI team.

5. Prepared by: (Environmental Unit Leader)	Date/Time
MST3 Dorian Satterlee	07OCT10 1314

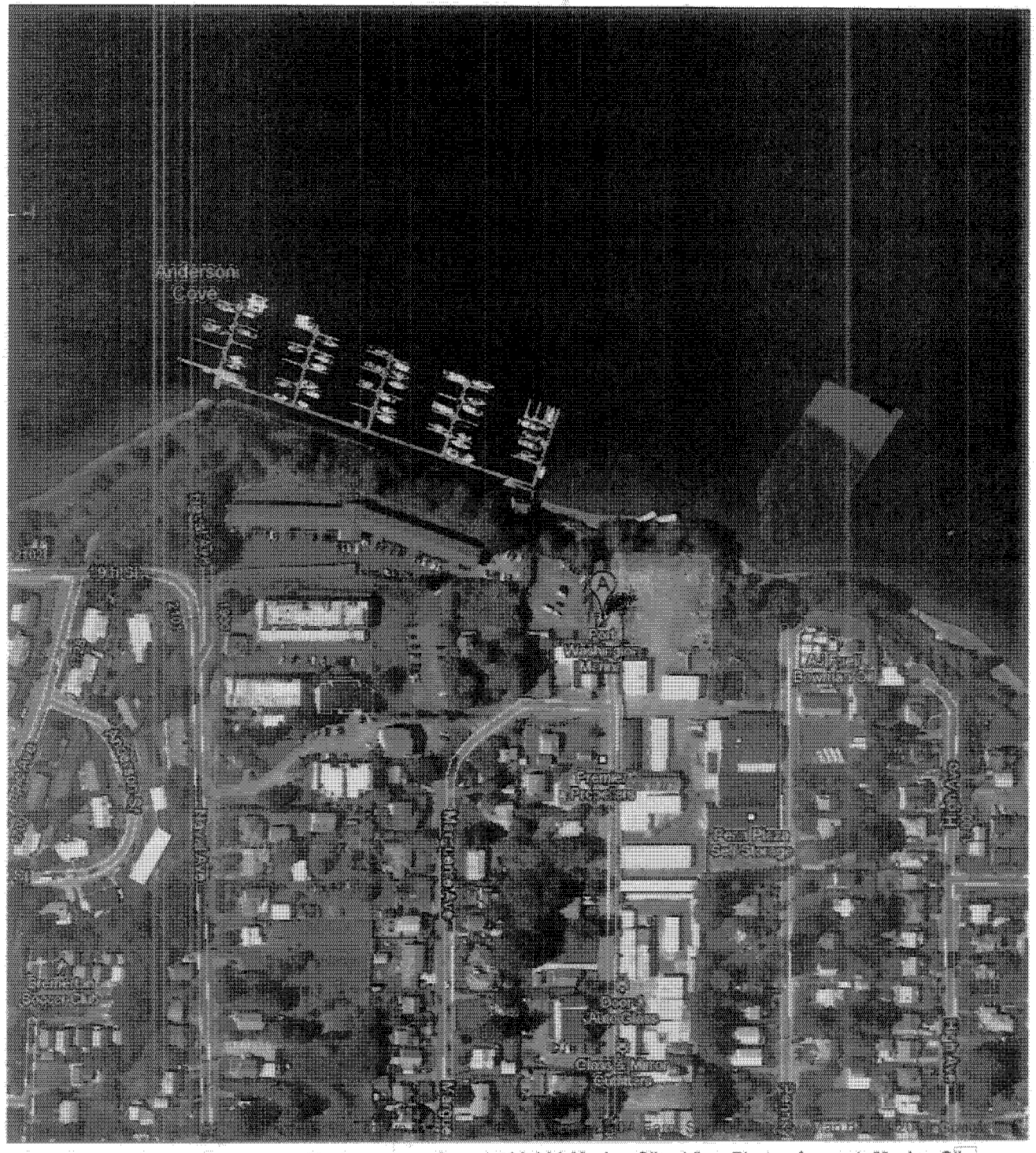
DNR-00011936



Site indicated by 1129

Google maps

Get Directions My Maps Print Send Link



Free Marina Reservations - www.Marinas.com - Over 1,500,000 Marina Slips View Photos for each Marina Slip >>

DNR-00011938

Bremerton, Washington

Local Time: **12:05 PM PDT** (GMT -07) — Set My Timezone

Lat/Lon: **47.6° N 122.6° W** (Google Map)

Tropical Weather: Tropical Depression Paula (North Atlantic) Typhoon Megi (Western Pacific)

Current Conditions

Illahee, Bremerton, Washington (PWS)

Updated: 12:05 PM PDT on October 15, 2010

52.9 °F
Mostly Cloudy

Humidity:	**68%**
Dew Point:	**43 °F**
Wind:	**Calm**
Wind Gust:	**0.0 mph**
Pressure:	**30.18 in (Rising)**
Visibility:	**10.0 miles**
UV:	**2** out of 16
Pollen:	**.20** out of 12 Pollen Forecast NEW!
Clouds:	**Scattered Clouds 3400 ft** **Mostly Cloudy 4800 ft** (Above Ground Level)
Elevation:	**130 ft**

Rapid Fire Updates:

Enable Disable

Source for Current Conditions:

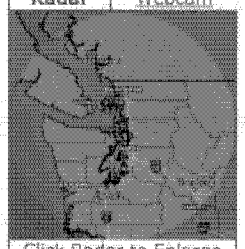
PWS & Airport Airport Only

» Weather History for This Location

Select a source for your current conditions:

Illahee

Radar Webcam



Click Radar to Enlarge

- Local Radar
- WunderMap
- Regional Radar
- Local Satellite
- Marine Forecast
- Snow Depth
- Trip Planner
- Weather Stations

Raw METAR | **Aviation** | Weather Radio

Flight Rule:	**VFR** (KPWT)
Wind Speed:	**0.0** kts.
Wind Dir:	**68°** (ENE)
Ceiling:	**4800** ft

Full Report — Pilot Maps

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Nearby Airports

City:	Temp.:	Conditions:	Updated:
Bremerton	50 °F	Mostly Cloudy	11:55 AM PDT
Seattle Boeing	55 °F	Mostly Cloudy	11:53 AM PDT
Seattle	53 °F	Mostly Cloudy	11:53 AM PDT
Renton	54 °F	Mostly Cloudy	11:53 AM PDT

Flight Tracker Arrivals

Flight:	From:	To:	ETA:	Status:
SQH88	Portland, OR	KBFI	12:01PM	On Time

5-Day Forecast for ZIP Code 98310

Customize Your Icons!

Friday	Saturday	Sunday	Monday	Tuesday
54° F | 41° F	54° F | 43° F	58° F | 41° F	58° F | 40° F	61° F | 40° F
Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Hourly	Hourly	Hourly	Hourly	Hourly

Today is forecast to be **Cooler** than yesterday.

Forecast for Seattle/Bremerton Area

Updated: 7:30 am PDT on October 15, 2010

No Active Advisories (US Severe Weather)

Today
Mostly sunny...except for areas of morning low clouds and patchy fog this morning. Highs in the 50s. Light wind becoming northeast 10 mph or less this afternoon.
» ZIP Code Detail

Tonight
Partly cloudy. Patchy fog after midnight. Lows in the upper 30s to mid 40s. North wind to 10 mph.

Saturday
Mostly sunny...except patchy morning fog and low clouds. Highs in the mid 50s to lower 60s. North wind to 10 mph.
» ZIP Code Detail

Saturday Night
Partly cloudy. Patchy fog after midnight. Lows in the upper 30s to mid 40s. Northeast wind to 10 mph.

Sunday
Mostly sunny...except patchy morning fog and low clouds. Highs in the mid 50s to lower 60s. Light wind becoming north 10 mph or less in the afternoon.
» ZIP Code Detail

Sunday Night
Partly cloudy. Lows in the lower 40s.

Monday
Mostly sunny. Areas of fog. Highs in the lower 60s.

Monday Night
Partly cloudy. Lows in the upper 30s to mid 40s.

Tuesday
Mostly sunny. Areas of fog. Highs near 60.

Tuesday Night
Partly cloudy. Lows near 40.

Wednesday
Mostly sunny. Areas of fog. Highs in the lower 60s.

Wednesday Night and Thursday
Partly cloudy. Lows in the lower to mid 40s. Highs in the lower 60s.

Alternate Computer Forecast: AVN MOS Weather Graph

Scientific Forecaster Discussion (NWS)

Air Quality Forecast for Bremerton-Silverdale-Bainbridge Island

DNR-00011939

SWA1357	Las Vegas, NV	KSEA	11:58AM	On Time
KAL19	Incheon (near Seoul)	KSEA	12:00PM	On Time
CHH495	Beijing	KSEA	12:00PM	On Time
DAL1929	Atlanta, GA	KSEA	12:02PM	On Time

United States Airport Delays and Flight Status

Flight Tracker by FlightAware

History & Almanac

	Max Temperature:	Min Temperature:
Normal (KPWT)	56 °F	41 °F
Record (KPWT)	69 °F (1997)	30 °F (2008)
Yesterday	59.7 °F	45.7 °F

Detailed History and Climate (KPWT)

October • 15 • 2010 • View

- October Calendar View (KPWT)
- Yesterday's Official Weather and Almanac
- Seasonal Weather Averages

Today's State Extremes

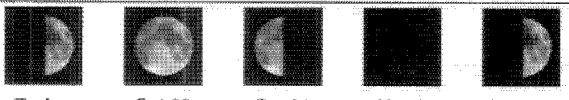
State Highs:		State Lows:	
Walla Walla	59°F	Olympia	33°F
Hanford	58°F	Quillayute	35°F
Pasco	57°F	Tacoma	35°F
Pullman	55°F	Puyallup	37°F
Ephrata	55°F	Yakima	37°F

Astronomy

October 15, 2010	Rise:	Set:
Actual Time	7:29 AM PDT	6:22 PM PDT
Civil Twilight	6:58 AM PDT	6:53 PM PDT
Nautical Twilight	6:22 AM PDT	7:28 PM PDT
Astronomical Twilight	5:46 AM PDT	8:04 PM PDT
Moon	3:15 PM PDT	No Moon Set
Length Of Visible Light	11h 54m	
Length of Day	10h 52m Tomorrow will be **3m 20s shorter**.	

Extended View

First Quarter, 59% of the Moon is Illuminated



Today	Oct 22 Full	Oct 30 Last Quarter	Nov 5 New	Nov 13 First Quarter

For more information about the solar system:

- View the Full Star Chart!
- Definitions of Astronomy Terms

Seattle News

- Tabby cat missing from 90th & Palatine
- Zombie convention will swarm Seattle
- South Park Bridge news promised this afternoon
- Woman stabs classmate in anger-management class
- Hill Style: CHS crow(d) source edition
- A Restaurant For (Film) Geeks: This Is What The Future Looks Like
- Why Apple Makes the Products You Love and Microsoft Doesn't

	Air Quality:	AQ Index:	Pollutant:
Yesterday	Good		PM2.5
Current	**Good**		PM2.5
Friday	Good		PM2.5
Saturday	Good		PM2.5
Sunday	Good		PM2.5
Monday	Moderate		PM2.5
Tuesday	Moderate		PM2.5

Want to learn more about air pollution? Visit our health section.

Pollen Forecast | Current Air Quality | Yesterday's Peak

Forecast Temperature & Probability of Precipitation

Place:	Today:		Tonight:		Saturday:	
Puyallup	58°F	10%	40°F	0%	59°F	0%
Tacoma	57°F	10%	38°F	0%	57°F	0%
Seattle	57°F	10%	43°F	0%	56°F	10%
Bremerton	54°F	10%	39°F	0%	55°F	0%
Edmonds	57°F	10%	43°F	0%	56°F	0%
Everett	54°F	10%	44°F	0%	54°F	10%

= Probability of Precipitation

Sports Weather

NFL:	Date:	Forecast:
Seahawks vs. Bears	12:00 PM CDT on October 17, 2010	Clear, **59** °F
Dolphins vs. Packers	12:00 PM CDT on October 17, 2010	Partly Cloudy, **56** °F
College Football:	**Date:**	**Forecast:**
Bearcats vs. Cardinals	8:00 PM EDT on October 15, 2010	Clear, **58** °F
RedHawks vs. Chippewas	12:00 PM EDT on October 16, 2010	Clear, **50** °F
MLB:	**Date:**	**Forecast:**
Yankees vs. Rangers	7:07 PM CDT on October 15, 2010	Clear, **79** °F
Yankees vs. Rangers	3:07 PM CDT on October 16, 2010	Clear, **85** °F
Football (Soccer):	**Date:**	**Forecast:**
Albinoleffe vs. Vicenza	3:30 PM CEST on October 15, 2010	Chance of Rain, High 57° F/ 14° C
Siena vs. Empoli	3:30 PM CEST on October 15, 2010	Chance of Rain, High 66° F/ 19° C
NASCAR:	**Date:**	**Forecast:**
Bank of America 500	7:46 PM EDT on October 16, 2010	Clear, **58** °F
TUMS Fast Relief 500	1:13 PM EDT on October 24, 2010	Average High 69° F/ 20° C

View Schedules: NFL | CFB | MLB | IFB | NASCAR | PGA Golf |

Blogs in This Area

City:	Member:	Title:	Last Activity:
Tukwila	TukwilaCathy	TukwilaCathy's Wunder Blog	9 days ago

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DNR-00011940

Full-body scanners being readied for use at Sea-Tac

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Get Your Weather Sticker!

Bremerton, WA
52.9 °F
Mostly Cloudy
at 12:05 PM PDT

(Click for forecast)

Weather Stations

All Weather Stations | Personal Weather Stations | MADIS Weather Stations | Weather Stations WunderMap

Station Location	Temp.	Dew Point	Humidity	Wind	Pressure	Precipitation	Windchill	Elevation	Updated	Type	
Illahee, Bremerton, WA	52.9 °F	43 °F	68%	ENE at 0.0 mph	30.18 in	0.00 in / hr	-	130 ft	12:05 PM PDT	Normal	
Waterman Point, Port Orchard, WA	53.8 °F	46 °F	74%	SSE at 2.0 mph	30.36 in	0.00 in / hr	-	50 ft	12:01 PM PDT	Normal	
Port Of Brownsville, Bremerton, WA	50.2 °F	45 °F	81%	ESE at 2.0 mph	30.34 in	0.00 in / hr	-	10 ft	12:05 PM PDT	Normal	Website
Crane Ave E, Port Orchard, WA	55.8 °F	38 °F	51%	ESE at 4.0 mph	30.39 in	0.00 in / hr	-	80 ft	12:05 PM PDT	Rapid Fire	
Bainbridge Island, WA	50.0 °F	48 °F	96%	NW at 0.0 mph	30.12 in	0.00 in / hr	-	149 ft	12:05 PM PDT	Rapid Fire	Website
Bainbridge Island, WA	52.3 °F	47 °F	82%	SSE at 0.0 mph	30.28 in	- / hr	-	150 ft	12:02 PM PDT	Normal	
Port Orchard, WA	54.4 °F	47 °F	75%	NNE at 1.1 mph	30.42 in	0.00 in / hr	-	0 ft	12:05 PM PDT	Rapid Fire	
Lupine Ln, near Dickey Rd., Silverdale, WA	51.0 °F	-	-	WNW at 0.0 mph	30.18 in	0.00 in / hr	-	250 ft	12:05 PM PDT	Normal	
Woodward Middle School, Bainbridge Island, WA	51.5 °F	48 °F	86%	ENE at 2.0 mph	30.37 in	0.00 in / hr	-	180 ft	11:58 AM PDT	Normal	Website
MesoWest Bainbridge Island., Bainbridge Island, WA	52 °F	-	-	SE at 5 mph	-	0.00 in / hr	-	33 ft	10:15 AM PDT	MADIS	Website
Island Lake, Silverdale, WA	52.7 °F	48 °F	85%	ENE at 0.0 mph	30.36 in	0.00 in / hr	-	368 ft	12:05 PM PDT	Rapid Fire	Website
Ferncliff (Waterfront), Bainbridge Island, WA	58.3 °F	52 °F	80%	NE at 0.0 mph	30.37 in	0.00 in / hr	-	100 ft	12:05 PM PDT	Rapid Fire	Website
Wing Point, Bainbridge Island, WA	52.8 °F	48 °F	83%	SSW at 2.0 mph	30.43 in	0.00 in / hr	-	80 ft	12:05 PM PDT	Rapid Fire	
Gorst, Port Orchard, WA	51.8 °F	55 °F	92%	NE at 0.0 mph	30.40 in	0.00 in / hr	-	185 ft	12:05 PM PDT	Rapid Fire	
Noll Rd NF7M, Poulsbo, WA	53.8 °F	47 °F	78%	West at 0.0 mph	30.39 in	0.00 in / hr	-	220 ft	12:05 PM PDT	Rapid Fire	
MesoWest Southworth., Southworth, WA	51 °F	-	-	SE at 3 mph	-	0.00 in / hr	-	33 ft	10:20 AM PDT	MADIS	Website
MARITIME, Seattle, WA	51 °F	43 °F	74%	North at 1 mph	30.39 in	0.00 in / hr	-	9 ft	11:00 AM PDT	MADIS	Website
OTHER_HFM BREMERTON, WA, Port Orchard, WA	45 °F	41 °F	87%	East at 5 mph	30.40 in	0.00 in / hr	42 °F	482 ft	11:35 AM PDT	MADIS	Website

DNR-00011941

APRSWXNET Gold Mountain WA, Bremerton, WA	46 °F	46 °F	100%	WSW at 0 mph	30.33 in	123.20 in / hr	46 °F	1687 ft	11:29 AM PDT	MADIS	Website
Central Market Poulsbo, Poulsbo, WA	52.2 °F	51 °F	95%	NNE at 3.0 mph	30.32 in	0.00 in / hr	-	68 ft	12:05 PM PDT	Rapid Fire	Website
Near Discovery Park, Seattle, WA	53.0 °F	46 °F	77%	North at 2.0 mph	30.40 in	0.00 in / hr	-	320 ft	12:05 PM PDT	Normal	
Magnolia, Seattle, WA	64.0 °F	47 °F	54%	NE at 0.0 mph	29.97 in	0.00 in / hr	-	317 ft	12:02 PM PDT	Normal	Website
APRSWXNET Seattle W, Seattle, WA	51 °F	44 °F	77%	East at 1 mph	30.36 in	0.00 in / hr	-	372 ft	11:20 AM PDT	MADIS	Website
Tree Ridge Lane, Poulsbo, WA	52.2 °F	52 °F	98%	East at 0.0 mph	29.82 in	0.00 in / hr	-	467 ft	12:05 PM PDT	Rapid Fire	
Magnolia - MaxHome, Seattle, WA	53.4 °F	45 °F	73%	NNW at 5.0 mph	30.37 in	0.00 in / hr	-	226 ft	12:05 PM PDT	Rapid Fire	Website
Magnolia, Seattle, WA	52.8 °F	45 °F	75%	NNW at 0.0 mph	30.26 in	0.00 in / hr	-	114 ft	12:05 PM PDT	Normal	
Beach Drive - West Seattle, Seattle, WA	50.7 °F	46 °F	84%	SW at 3.0 mph	30.39 in	0.00 in / hr	-	30 ft	12:05 PM PDT	Rapid Fire	
Magnolia, Seattle, Seattle, WA	50.7 °F	43 °F	75%	NNE at 3.0 mph	30.29 in	- / hr	-	316 ft	11:52 AM PDT	Normal	
Miller Bay Estates, Poulsbo, WA	50.6 °F	48 °F	90%	NNW at 0.0 mph	30.32 in	0.00 in / hr	-	250 ft	12:05 PM PDT	Rapid Fire	Website
North Admiral - West Seattle (Two Dogs , Seattle, WA	50.3 °F	46 °F	86%	NW at 0.0 mph	30.32 in	- / hr	-	305 ft	11:57 AM PDT	Normal	Website

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Warnings and Notices

There are currently no warnings or advisories for this location.

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DNR-00011942

Manchester Environmental Laboratory

7411 Beach Dr E, Port Orchard, Washington 98366

Case Narrative

September 30, 2010

Subject: Kitsap Mystery Oil Project

Sample(s): 1009096-01

Officer(s): Brad Martin

Work Order#: 1009096

By: Bob Carrell

Hydrocarbon Identification Analysis

Analytical Method(s)

The sample was extracted with methylene chloride then analyzed, along with a method blank and various petroleum product standards, by gas chromatography with flame ionization detection (GC/FID). This method is consistent with a modified EPA SW-846 Method 8015B and/or ASTM Method D-3328.

Holding Times

The sample was analyzed within the recommended method holding times.

Calibration

This is not applicable in the traditional sense since only various petroleum products standards are analyzed to establish chromatographic product "fingerprints".

Blanks

No analytically significant levels of any petroleum product or hydrocarbon were detected in the method blank (B10I285-BLK1) associated with this sample.

DNR-00011943

Comments

The HCID analysis showed that this sample contained a significant amount of coal tar creosote. Creosote is primarily composed of polyaromatic hydrocarbons (PAHs).

DNR-00011944

Washington State Department of Ecology
Manchester Environmental Laboratory
Final Analysis Report for
Hydrocarbon Identification

Project Name: Kitsap Mystery Oil
Work Order: 1009096
Project Officer: Martin, Brad

Analyte: Hydrocarbon Identification
Method: HYDRO-ID
Matrix: Other

Sample #	Sample ID	Collected	Analyzed	Result
1009096-01	BOIS	09/24/10	09/30/10	This sample contains a significant amount of coal tar creosote.

QC Results for Batch ID: B10I285

Method Blank

B10I285-BLK1	Blank	No detectable petroleum hydrocarbons or products found.

Authorized by: Banell **Release Date:** 9-30-10

Project Code: LAB-503D			Reported Results			
Preliminary Results: **PAH**						
Sample Number	10402001					
	Results	Dilution Correction	mg/kg	PAH Target Values		
	ng	x100	0.1122g sample	Residential	Industrial	
Naphthalene	4.08	408	3.6	3.9	20	
Acenaphthylene	0.64	64	0.6			
Acenaphthene	0.76	76	0.7	3400	33000	
Fluorene	1.81	181	1.6	2300	22000	
Phenanthrene	7.51	751	6.7			
Anthracene	1.54	154	1.4	17000.00	170000.00	
Fluoranthene	3.12	312	2.8	2300.00	22000.00	
Pyrene	5.17	517	4.6	1700.00	17000.00	
Benzo(a)Anthracene *	1.3	133	1.2	0.15	2.10	
Chrysene *	1.29	129	1.1	15.00	210.00	
Benzo(b)fluoranthene *	0.97	97	0.9	0.15	2.10	
Benzo(k)fluoranthene *	0.32	32	0.3	1.50	21.00	
Benzo(a)pyrene *	1.23	123	1.1	0.015	0.21	
Indeno(1,2,3-cd)pyrene *	0.82	82	0.7	0.15	2.10	
Dibenzo(a,h)anthracene *	0.21	21	0.2	0.02	0.21	
Benzo(g,h,i)perylene	0.69	69	0.6			
Contacts:	Chris Pace, ESAT Project Officer, USEPA, (360)-871-8703					
	Theodore Haigh, Organic Chemist USEPA, (360) 871-8713					
The information in this report is being supplied to you at your request as "Preliminary Results".						
Results have not undergone the same level of review as a final report. Once all reviews have						
taken place, it is possible that results in the final report may vary from those in this report.						

BALLARD DIVING & SALVAGE

1135 NW 46th St Seattle, WA 98107
Voice: 206-782-6750 **Fax:** 206-782-6750 **Email:** divers@ballarddiving.com

October 12, 2010

Proposal

United State Coast Guard – Pipeline Inspection and Location Services

www.ballarddiving.com

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Executive Summary

On October 12, 2010 Ballard Diving and Salvage received a call from Petty Officer Kevin Mallick related to a Concrete Cylinder Pipeline adjacent to Port Washington Marina. It is understood by Ballard Diving and Salvage that there is a section of the 8" ID pipe exposed at low tide. In this location is has been noted that creosote is escaping the pipeline. This proposal addresses the USCG's desire to locate the pipe, survey the interior of the pipe to document condition and any internal haz-waste buildup, and possibly abandon the system. BDS recommends a three phase approach to this issue:

1. **Internal Inspection**
2. **Location – Alignment**
3. **Abandonment**

Internal Inspection

Ballard Diving recommends the use of our OWNED long range crawler system. The Crawler would carry a tilt/rotate zoom color camera and lights to image the inside surface of the pipe. The survey would include visually inspecting the liner of the pipe for structural defects. The typical defects that could be detected are circumferential cracks, longitudinal cracks, offset joints, spalls and erosion of the concrete liner. These areas can be identified by penetration range and potentially changes in grade. A report would be produced in conjunction with the video with the findings of the inspection. The video and features recorded for the report would be noted with umbilical payout (distance) from each access point.

The point of this survey would to be to determine whether this pipeline is blocked, occluded, crushed or still structurally sound. If passable the crawler could travel up to 700 each way (offshore/onshore)

Deployment: From beach at low tide or vessel at high tide

Limitations: If the crawler encounters an offset joint (more than two inches, rock or other obstruction it may be impossible to pass. It the crawler encounters buildup of creosote or slick residue it may not have the traction to continue, however, this heavy weight crawler has the best chance of any other equipment to make the range. BDS just completed nine miles of internal pipeline inspection for the City of Salem performing consistent 6000 feet runs.

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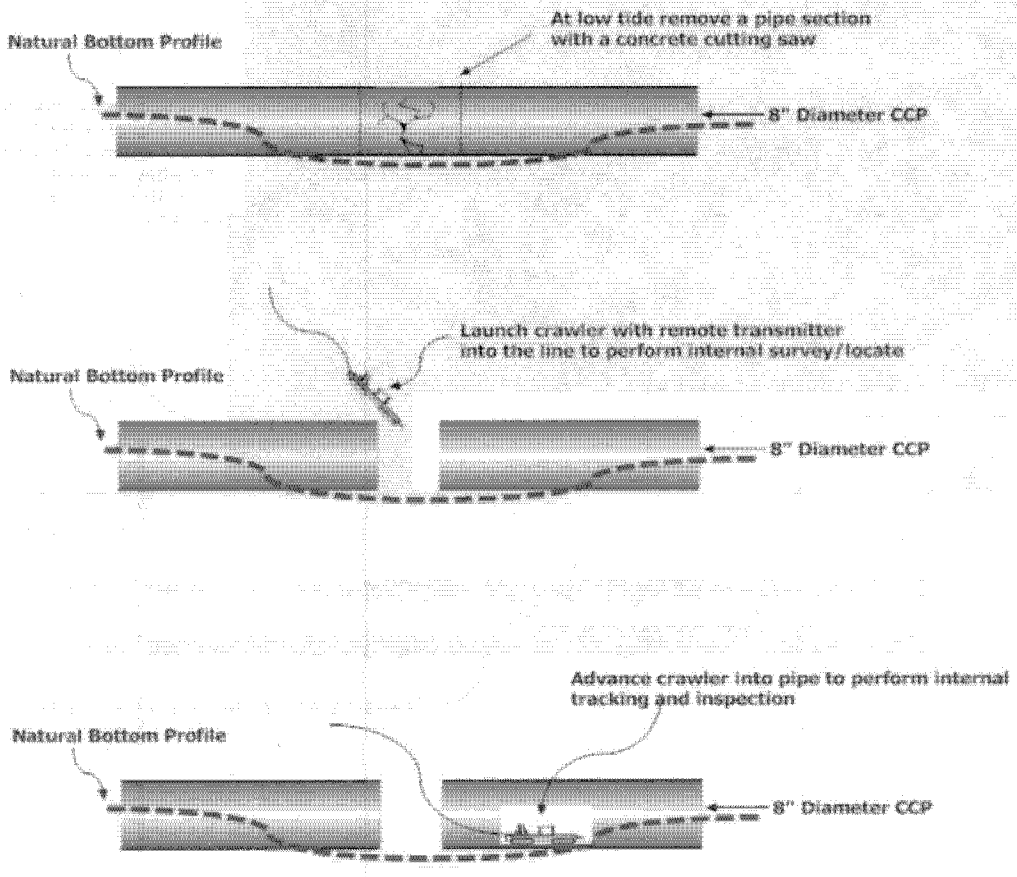
Method

The inspection would be primarily a video inspection as the ROV drives forward inside the pipe. The camera would be pointed forward for a complete pipe view as the ROV is moving and stopped at any anomaly or feature that required more detailed inspection. The 10x zoom function of the camera would allow the ROV to zoom in to very small features. Frequent stops will increase the time required for the penetration time but not the return time.

BDS's crawler was designed for penetrations in pipelines under its own power. This is for a number of reasons including simplicity of deployment, safety to the structure and safety to the equipment. The Crawler has 200 lbs of thrust with good traction to pull its own weight and the drag of the umbilical into a pipeline. The system is designed to pull the umbilical around a number of bends. The crawler would in general inspect two directions from each access point to minimize the number of access points.



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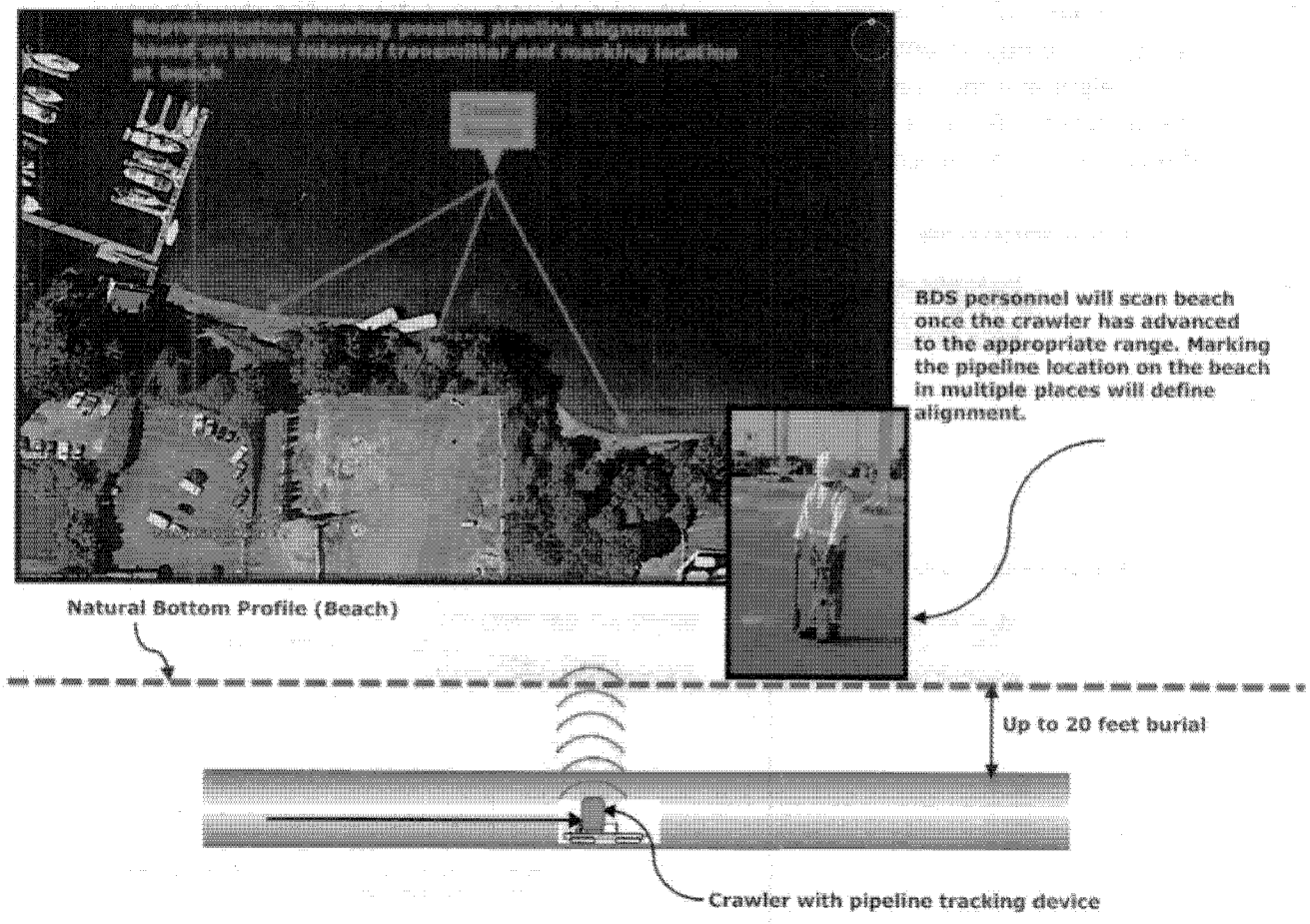
Location

The crawler would be outfitted with a pipeline locator transponder. The BDS crew, using a HD range finder, would identify the distance from the access point to the beach. Once the crawler is positioned at the beach a surveyor will run track lines longitudinally to identify the position of the crawler in the line. Additional location marks will be acquired as possible.



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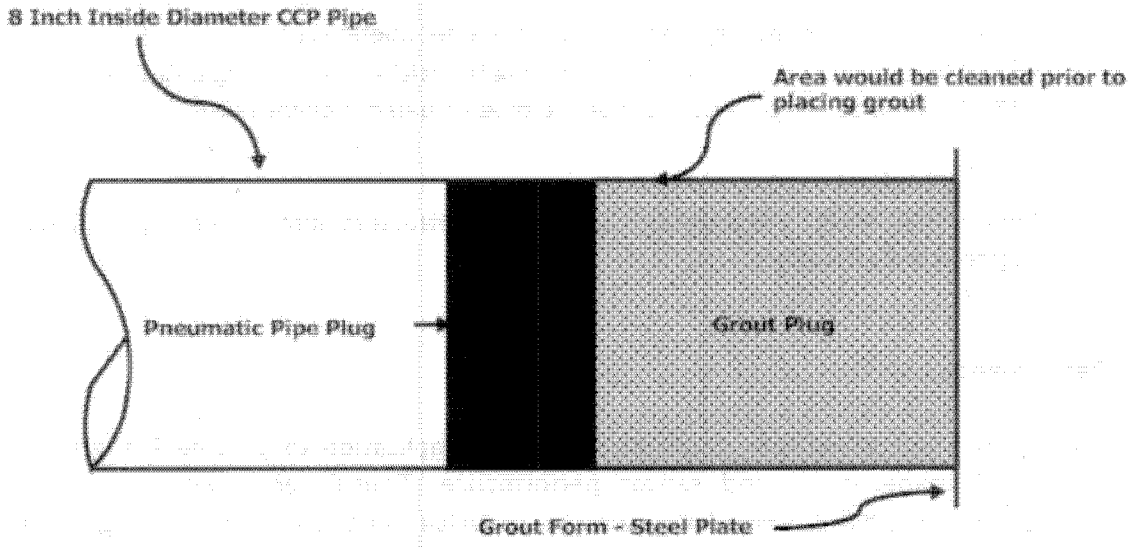
Abandonment

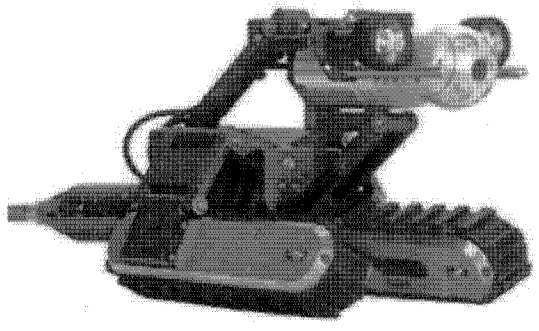
If the USCG decides that it is in the best interest of the government to abandon the line a hydraulic cement grout mixture can be used to plug the open ends of the line.



Equipment Configuration

BDS would provide a Crawler ROV system with the following features:

Crawler System
Cable Length 750'
Minimum Diameter 6"
Maximum Speed 30 feet per minute
Weight of Crawler 125lbs
Depth Rating 100'
Forward Lighting 4 x 50W



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Color Camera System
Main Color Camera Tilt Rotate and Zoom 460 Lines of Resolution

Main Camera Lighting 8 x 6W dimmable
Sensitivity 3 Lux
2 x secondary cameras with integrated lighting

Options
Profiling Sonar with Minimum Range 6" (flooded pipelines only)
GIS or pipe database software for reporting to inclusion in existing database
GPR Antenna to image the crown of the pipe (drained pipelines only)

Crew
Senior ROV Pilot - Association of Diving Contractors International (ADCI) ROV Supervisor Certificated
Tender

Performance

BDS's ROV's are specifically configured for each application to provide the greatest degree of maneuvering and sensor performance. Transducers, cameras, lighting, navigation sub-systems, propulsion, sensors, umbilicals and hulls are all configured to meet the customer's requirements based on the customer supplied specifications and drawings. BDS is not responsible for the performance of the ROV system(s) in the event that the structure that is being inspected is not as represented in the specifications and drawings and/or has hazards, obstructions, marine growth, appliances and features that cannot be safely passed by the ROV.

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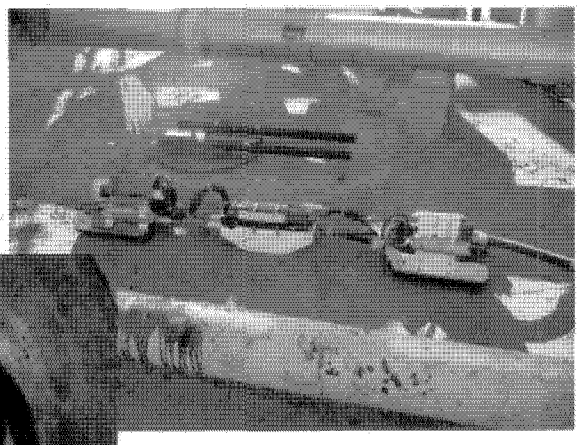
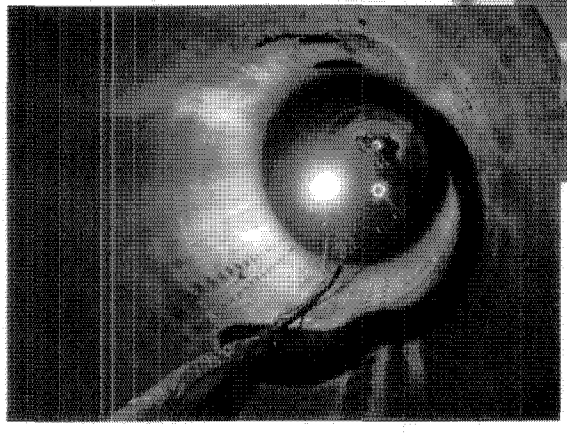
Pricing (Estimated – Actual billing based on BOA rates)

Item	Description	Cost
Item 1	Mob/Demob	$2100.00
Item 2	Cut Pipe (4 hours)	$1500.00
Item 3	Crawler Survey (6 hours)	$3500.00
Item 4	Pipe Locate (2 hours)	$750.00
Item 5	Abandonment (4 hours)	$1500.00

Project Specific Notes/Exclusions:

- Rates above are for straight time hours only
- Estimate based on known details
- Subsistence and Lodging will be charged if the operation requires an overnight stay

Signed,

Jesse B Hutton

Jesse Hutton, Estimator