

Dive Brief		1. Dive site: Eagle Harbor, WA	2. Date: 27 JAN 2004	4. Time: 1100
ORGANIZATION ASSIGNMENT LIST			ENVIRONMENTAL INFORMATION	
Position		High Tide	0906 12.0 FT	Low Tide 1543 3.7 FT
Supervisor	MK2 [REDACTED]	High Tide		Low Tide
Break in Supervisor	LTJG [REDACTED]	Currents	0906 slick, max eb at 1251, -2.8 kts	
Position		Estimated Depth	40'	Max. Depth 60'
Red Diver	BM2 [REDACTED]	Table and Schedule	40/200	Repet Group N
Green Diver	BM3 [REDACTED]	Table and Schedule	35/310	Repet Group O
Standby Diver	BM2 [REDACTED]	Water Temperature	47.5	
		Visibility	1-10'	
Red Diver	BM2 [REDACTED]	Bottom Type	Gravel, Rock	
Green Diver	BM2 [REDACTED]	Job Hazards:		
Standby Diver	BM3 [REDACTED]	Dead heads, logs, lines, pilings, marine life, vessel traffic, and running gear of		
MEDICAL PLAN				
Position		Position	Name	Phone
		DMO	Bangor Medical Clinic	360-315-4391
Red Diver's	MK2 [REDACTED]	Hospital	Virginia Mason Medical Center	206-583-6543
Green Diver's	LTJG [REDACTED]	Chamber	Virginia Mason Medical Center	206-583-6543
Standby Diver's	MK3 [REDACTED]	Air Medivac	Harbor View Medical Center	911
		Land Medivac	Seattle Fire Dept Medic One	911
		Sea Medivac	Coast Guard Station Seattle	206-217-6754
		Additional Dive Unit	USN EOD Keyport, WA	360-396-2244
Console	N/A	NEDU	Navy Experimental Dive Unit	850-234-4351
Communications	LTJG [REDACTED]	DAN	Divers' Alert Network	919-684-8111
Logs	LTJG [REDACTED]	NDSTC	Naval Dive & Salvage Training Center	850-234-4651
Coxswain	N/A			
Agency		Position	Name	
		Communications (Contact Medical)	LTJG [REDACTED]	
		Rescue Swimmer	Standby	
		Neurological Exam	LTJG [REDACTED]	
		Oxygen Kit Set up	MK2 [REDACTED]	
		Trauma Kit	MK2 [REDACTED]	
		Miller Board Bearer	All available divers	
		Miller Board Bearer	All available divers	
COMMUNICATIONS PLAN				
		Name	Channel / Number	
		Primary Channel	21A	
		Secondary Channel	81A	
		Dive Site Cellular Phone	206 [REDACTED]	
		Inter-Communications	N/A	
		Group Comms Center	206-217-6001	
		MSST TAO / CDO	206-696-3935, OSC [REDACTED]	
Dive Site: Eagle Harbor, WA		Dive Supervisor: LTJG [REDACTED]		Dive Brief Form 201

6,7c

Dive Brief	1. Dive site: Eagle Harbor, WA	2. Date: 27 JAN 2004	4. Time: 1100
SYMBOLS			
Dive Site: Eagle Harbor, WA	Dive Supervisor: LTJG ██████████	Dive Brief Form 202	

Rev Aug-2003

ENCLOSURE (155) PAGE 2 OF 24 PAGE

6,7c

Site Evaluation	1. Dive site: Eagle Harbor, WA	2. Date: 27 JAN 2004	LAND
5. Position	Latitude: Longitude:	6. Location	City: County:
7. Pier Usage		Contact	Name / Number
8. Pier Construction			
9. Pier Growth			
10. Overall Length of Pier			
11. Overall Width of Pier			
12. Maximum Depth		Pier Hazards:	
13. Bottom Type			
14. Visibility			
15. Currents			
16. Water Temperature			
Dive Site: Eagle Harbor, WA	Site Evaluator:	Site Evaluation Form 203	

Rev Aug-2003

155

USCG MSST 91101 DIVE TEAM

DIVING SAFETY AND PLANNING CHECKLIST (SHEET 1 OF 2)

A. ANALYZE THE MISSION FOR SAFETY.

- Ensure mission objective is defined.
- Determine that non-diving means of mission accomplishment have been considered and eliminated as inappropriate.
- Coordinate emergency assistance.

B. IDENTIFY AND ANALYZE POTENTIAL HAZARDS.

Natural Hazards:

- Exposure of personnel to extreme conditions
- Adverse exposure of equipment to elements
- Water entry and exit
- Handling of heavy equipment in rough seas
- Exposure to cold temperatures
- Dangerous marine life
- Tides and currents
- Limited visibility
- Dangerous bottom conditions (mud, drop-offs, etc.)

On-Site Hazards:

- Local marine traffic or other conflicting naval ops
- High-powered, active sonar
- Radiation contamination and other pollution (chemical, sewer outfalls, etc.)

Mission Hazards:

- Decompression sickness
- Communications problems
- Drowning
- Other trauma (injuries)

Object Hazards:

- Entrapment and entanglement
- Shifting or working of object
- Explosives or other ordnance

C. SELECT EQUIPMENT, PERSONNEL AND EMERGENCY PROCEDURES.

Diving Personnel:

- Assign a complete and qualified Diving Team.
- Verify that each member of the Diving Team is properly trained and qualified for the equipment and depths involved.
- Determine that each man is physically fit to dive, paying attention to: General condition, any evidence of fatigue, ears and sinuses, severe cold or flu.
- Observe divers for emotional readiness to dive:
- Motivation and professional attitude

Diving Equipment:

- Verify that diving gear chosen and diving techniques are adequate and authorized for mission and particular task.
- Determine that all necessary support equipment and tools are readily available and are best for accomplishing job efficiently and safely.
- Determine that all related support equipment such as winches, boats, cranes, floats, etc. are operable, safe and under control of trained personnel.
- Check that all diving equipment has been properly maintained (with appropriate records) and is in full operating condition.

Provide for Emergency Equipment:

- Obtain suitable communications equipment with sufficient capability to reach outside help; check all communications for proper operation.
- Verify that a recompression chamber is ready for use, or notify the nearest command with one that its use may be required within a given timeframe.
- Verify that a completely stocked first aid kit is at hand.
- If oxygen will be used as standby first aid, verify that the tank is full and properly pressurized, and that masks, valves, and other accessories are fully operable.
- Verify that emergency transportation is either standing by or on immediate call.

Establish Emergency Procedures:

- Know how to obtain medical assistance immediately.
- For each potential emergency situation, assign specific tasks to the diving team and support personnel.
- Post Emergency Assistance Checklist; ensure that all personnel are familiar with it.
- Verify that an up-to-date copy of U.S. Navy Decompression Tables is available.
- Ensure that all divers and other support personnel understand all diver hand signals.
- Predetermine distress signals and call-signs.

USCG MSST 91101 DIVE TEAM

DIVING SAFETY AND PLANNING CHECKLIST (SHEET 2 OF 2)

D. ESTABLISH SAFE DIVING OPERATIONAL PROCEDURES

Complete Planning, Organization, and Coordination Activities:

- ___ Ensure that other means of accomplishing mission have been considered before deciding to use divers.
- ___ Ensure that contingency planning has been conducted.
- ___ Completely brief the diving team and support personnel.
- ___ Designate properly qualified Diving Supervisor to be in charge of the mission.
- ___ Determine the exact depth at the job-site through the use of a depth sounder.
- ___ Verify existence of an adequate supply of compressed air available for all planned diving operations plus an adequate reserve for emergencies.
- ___ Ensure that no operations or actions on part of diving team, support personnel take place without the knowledge of and by the direct command of the Diving Supervisor.
- ___ Current decompression tables shall be on hand and shall be used in all planning and scheduling of diving operations.
- ___ Verify that, when using surface-supplied techniques, the ship, boat, or diving craft has at least a two-point moor.
- ___ Ensure that, when conducting SCUBA operations in hazardous conditions, a boat can be quickly cast off and moved to a diver in distress.

Perform Diving Safety Procedures, Establish Safety Measures:

- ___ Ensure that each diver checks his own equipment in addition to checks made by tenders.
- ___ Designate a standby diver for all diving operations; standby diver shall be dressed to the necessary level and ready to enter the water if needed.
- ___ Assign buddy divers, when required, for all SCUBA operations.
- ___ Take precautions to prevent divers from being fouled on bottom. If work is conducted inside a wreck or other structure, assign a team of divers to accomplish task. One diver enters wreck, the other tends his lines from point of entry.
- ___ Brief all divers and deck personnel on the planned decompression schedules for each particular dive. Check provisions for decompressing the diver.
- ___ Verify that ship, boat, or diving craft is displaying proper signals, flags, day shapes, or lights to indicate diving operations are in progress.
- ___ Thoroughly brief boat crew.
- ___ Verify that proper safety and operational equipment is aboard small diving boats or craft.

Notify Proper Parties that Dive Operations Are Ready to Commence:

- ___ Diving Officer
- ___ Commanding Officer
- ___ Officer of the Deck/Day
- ___ Command Duty Officer or Commanding Officer of ships alongside
- ___ Bridge, to ensure that ship's personnel shall not:
 - Turn the propeller or thrusters
 - Get underway
 - Activate active sonar or other electronics
 - Drop heavy items overboard
 - Activate sea discharges or suction
- ___ U.S. Coast Guard (if broadcast warning to civilians is required)
- ___ Notify facilities having recompression chambers and sources of emergency transportation that diving operations are underway and their assistance may be needed.

MSST 91101 DIVING TABLES

Table 9-8. Unlimited/No-Decompression Limits and Repetitive Group Designation Table for Unlimited/No-Decompression Air Dives.

Depth (feet/meters)	No-Decompression Limits (min)	Group Designation														
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
15 4.6	unlimited	35	70	110	160	225	350	482	*							
25 7.6	585	20	35	55	75	100	125	160	195	245	315	361	540	685		
35 10.7	310	5	15	25	40	50	60	80	100	120	140	160	190	220	270	310
50 15.2	100		10	15	25	30	40	50	60	70	80	90	100			
70 21.3	50		5	10	15	20	30	35	40	45	50					
90 27.4	30		5	10	12	15	20	25	30							
110 33.5	20			5	10	13	15	20								
130 39.6	10				5	8	10									
150 45.7	5					5										
170 51.8	5						5									
190 58.9	5							5								

* Highest repetitive group that can be achieved at this depth regardless of bottom time.

Table 9-7. Residual Nitrogen Timetable for Repetitive Air Dives.

Locate the diver's repetitive group designation from his previous dive along the diagonal line above the table. Read horizontally to the interval in which the diver's surface interval lies.

Next, read vertically downward to the new repetitive group designation. Continue downward in this same column to the row that represents the depth of the repetitive dive. The time given at the intersection is residual nitrogen time, in minutes, to be applied to the repetitive dive.

* Dives following surface intervals of more than 12 hours are not repetitive dives. Use actual bottom times in the Standard Air Decompression Tables to compute decompression for such dives.

** If no Residual Nitrogen Time is given, then the repetitive group does not change.

		Repetitive group at the beginning of the surface interval															
		A	B	C	D	E	F	G	H	I	J						
		0:10 12:00*	0:10 1:40 4:00	0:10 1:30 4:40 12:00*	0:10 1:20 4:30 12:00*	0:10 0:58 1:58 3:26 6:36	0:10 0:54 1:57 3:24 6:34 12:00*	0:10 0:41 1:18 2:00 2:50 4:28 7:38	0:10 0:40 1:15 1:58 2:58 4:26 7:36 12:00*	0:10 0:34 1:00 1:30 2:08 2:48 3:44 5:13 8:22	0:10 0:33 0:58 1:28 2:02 2:44 3:43 5:12 8:21 12:00*						
		K	L	M	N	O	Z										
		0:10 0:28 0:48 1:11 1:38 2:08 2:38 3:21 4:19 5:48 8:58 12:00*	0:10 0:26 0:42 0:59 1:16 1:38 2:06 2:34 3:08 3:52 4:49 6:18 9:28 12:00*	0:10 0:24 0:37 0:52 1:08 1:28 1:44 2:06 2:30 3:00 3:54 4:18 5:17 8:48 12:00*	0:10 0:23 0:38 0:51 1:07 1:24 1:49 2:04 2:29 2:58 3:33 4:17 5:16 8:44 12:00*	0:10 0:22 0:36 0:50 1:05 1:23 1:41 2:01 2:24 2:52 3:24 4:00 4:59 8:36 12:00*	0:10 0:21 0:34 0:47 1:02 1:19 1:36 1:55 2:18 2:44 3:14 3:54 4:53 8:30 12:00*	0:10 0:20 0:32 0:44 0:99 1:14 1:29 1:46 2:03 2:26 2:54 3:28 4:06 5:05 8:28 12:00*	0:10 0:19 0:30 0:41 0:94 1:08 1:22 1:38 1:54 2:10 2:30 2:56 3:26 4:04 5:03 8:26 12:00*	0:10 0:18 0:28 0:38 0:87 1:00 1:13 1:28 1:43 1:58 2:12 2:28 2:46 3:04 3:24 4:02 5:01 8:24 12:00*							
Repetitive Dive Depth	feet/meters	Z	C	N	M	L	K	J	I	H	G	F	E	D	C	B	A
10	3.0																
20	6.1																
30	9.1						0:17	0:30	0:43	0:56	1:09	1:22	1:35	1:48	2:01	2:14	2:27
40	12.2	0:27	0:41	0:54	0:67	0:80	0:93	1:06	1:19	1:32	1:45	1:58	2:11	2:24	2:37	2:50	3:03
50	15.2	0:37	0:50	1:03	1:16	1:29	1:42	1:55	2:08	2:21	2:34	2:47	3:00	3:13	3:26	3:39	3:52
60	18.3	0:47	1:00	1:13	1:26	1:39	1:52	2:05	2:18	2:31	2:44	2:57	3:10	3:23	3:36	3:49	4:02
70	21.3	0:57	1:10	1:23	1:36	1:49	2:02	2:15	2:28	2:41	2:54	3:07	3:20	3:33	3:46	3:59	4:12
80	24.4	1:07	1:20	1:33	1:46	1:59	2:12	2:25	2:38	2:51	3:04	3:17	3:30	3:43	3:56	4:09	4:22
90	27.4	1:17	1:30	1:43	1:56	2:09	2:22	2:35	2:48	3:01	3:14	3:27	3:40	3:53	4:06	4:19	4:32
100	30.5	1:27	1:40	1:53	2:06	2:19	2:32	2:45	2:58	3:11	3:24	3:37	3:50	4:03	4:16	4:29	4:42
110	33.5	1:37	1:50	2:03	2:16	2:29	2:42	2:55	3:08	3:21	3:34	3:47	4:00	4:13	4:26	4:39	4:52
120	36.6	1:47	2:00	2:13	2:26	2:39	2:52	3:05	3:18	3:31	3:44	3:57	4:10	4:23	4:36	4:49	5:02
130	39.6	1:57	2:10	2:23	2:36	2:49	3:02	3:15	3:28	3:41	3:54	4:07	4:20	4:33	4:46	4:59	5:12
140	42.7	2:07	2:20	2:33	2:46	2:59	3:12	3:25	3:38	3:51	4:04	4:17	4:30	4:43	4:56	5:09	5:22
150	45.7	2:17	2:30	2:43	2:56	3:09	3:22	3:35	3:48	4:01	4:14	4:27	4:40	4:53	5:06	5:19	5:32
160	48.8	2:27	2:40	2:53	3:06	3:19	3:32	3:45	3:58	4:11	4:24	4:37	4:50	5:03	5:16	5:29	5:42
170	51.8	2:37	2:50	3:03	3:16	3:29	3:42	3:55	4:08	4:21	4:34	4:47	5:00	5:13	5:26	5:39	5:52
180	54.9	2:47	3:00	3:13	3:26	3:39	3:52	4:05	4:18	4:31	4:44	4:57	5:10	5:23	5:36	5:49	6:02
190	57.9	2:57	3:10	3:23	3:36	3:49	4:02	4:15	4:28	4:41	4:54	5:07	5:20	5:33	5:46	5:59	6:12
200	61.0	3:07	3:20	3:33	3:46	3:59	4:12	4:25	4:38	4:51	5:04	5:17	5:30	5:43	5:56	6:09	6:22

Residual Nitrogen Times (Minutes)

† Read vertically downward to the 40/12.2 (feet/meter) repetitive dive depth. Use the corresponding residual nitrogen times (minutes) to compute the equivalent single dive time. Decompress using the 40/12.2 (feet/meter) standard air decompression table.

ENCLOSURE (155)



1510
15 June 2004

MEMORANDUM

From: [redacted], LTJG

Reply to BDO
Attn of: LTJG [redacted]
Ext 306

To: CGC Healy (WAGB-20)
Thru: Executive Officer, CGC Healy (WAGB-20) [redacted]
Engineering Officer CGC Healy (WAGB-20) [redacted]
Operations Officer CGC Healy (WAGB-20) [redacted]

Subj: DIVE PLAN FOR HULL INSPECTION OF CGC HEALY (WAGB-20)

1. DATE OF OPERATIONS: TBD 16 JUN, ON STATION, IF POSSIBLE
2. LOCATION: Ice covered waters off Barrow.
3. PURPOSE: Underwater hull inspection.
4. EQUIPMENT: Divers will deploy with Dry suits, and all standard SCUBA equipment.
5. PERSONNEL: LTJG [redacted], BM2 [redacted] and MKCS [redacted] are the qualified dive supervisors. DC2 [redacted] CWO [redacted] and MST3 [redacted] are qualified SCUBA divers.
6. OPERATIONS: Divers will conduct an underwater inspection of the CGC Healy in ice-covered waters. Divers will specifically look at rudders, rudder horns, ice horns, and palm bolts, prop blades and prop hub cones, sea-chest gratings, and all underwater body sonar equipment including Sea Beam. Maximum depth will not exceed 60 feet of seawater and duration of dives will not exceed 20 minutes. Healy's underwater camera will be utilized to support topside monitoring.
7. SUPPORT: Sea conditions permitting, the dive team requests Healy's LCVP from which to conduct its dive operations. If conditions do not permit usage of the LCVP, the diver platform will be used and crane operators will have to be on hand.
8. EMERGENCY PLAN: The Hyperbaric stretcher onboard Healy has been pressure tested and verified operational.

#

★ DIVE PLATFORM CONFLICT?

WHAT IS THE PLAN FOR DIVERS?
• GO DOWN IN PAIRS
• WILL ALL SIX DIVE
• ANYTHING UNDER THE ICE

6,7c

517752
L199 00L 902

shot 5
stunow D/ BT
stamps

SAFF @ 04/06

BROW

~~BEAR~~ WATCH

BOAT OPS (PHI) NOON

CAN WE TRY HARE?

ENCLOSURE(55)

PAGE 10 OF 24 PAGES.

	Dive #1	Dive #2
Sup	Noel	[REDACTED]
Stoby	[REDACTED]	[REDACTED]
Tender if needed	[REDACTED]	[REDACTED]
Red	[REDACTED]	Noel
Green	[REDACTED]	[REDACTED]
Yellow	—	[REDACTED]



1544
10 Aug 2004

MEMORANDUM

From: J.E. Noel, LTJG

Reply to: Dive Officer
Attn of: LTJG J.E. Noel

To: CAPT [redacted] CO [redacted]
Thru: CDR [redacted], XO [redacted]
LCDR [redacted], OPS [redacted]
LCDR [redacted], EO [redacted]

*Good, work with Lt/Lt for
boat arrangement w/LCVP, We will plan
on this @ either 300m or 370m station
pending ice and wx.*

Subj: ICE DIVE TRAINING

CO.

1. DATE: August 2004, exact date TBD
2. LOCATION: Ice covered waters in Chukchi or Beaufort Sea
3. EQUIPMENT: SCUBA gear and dry suits
4. PERSONNEL: LTJG Noel, CWO [redacted], MKCS [redacted], BM1 [redacted], DC2 [redacted]
5. OPERATIONS: Familiarization with diving under ice with no free access to surface; refresher training on line-pull signals.
6. PLAN: Team A - two divers; Team B - three divers; dive supervisor and ready standby on surface. Divers will have a tending line and buddy line. All five divers will be able to dive.
7. MAX BOTTOM DEPTH/TIME: Team A: 30ft/30min No Decompression; Team B: 40ft/25min No Decompression.
8. SUPPORT: LCVP for use as dive platform, with boat crew; if LCVP is unavailable, will use dive stage and a crane operator will be needed, though will have to work around science ops.
9. EMERGENCY PLAN: Standby for Team B will be eligible for repetitive dive if needed. HEALY'S hyperbaric chamber has been pressure tested and verified operational within the last six months. All dive team members have had training on use of the chamber.

- Comms: line pulls or
DRS

#

*Camera
Med kit
Weights
Tending lines*

6,7c



1544
10 Aug 2004

MEMORANDUM

From: J.E. Noel, LTJG

Reply to: Dive Officer
Attn of: LTJG J.E. Noel

To: CAPT [REDACTED]
Thru: CDR [REDACTED], XO [REDACTED] 8/28/04
LCDR [REDACTED], OPS [REDACTED]
LCDR [REDACTED], EO [REDACTED]

Subj: QUALIFICATION DIVES

1. DATE: 1 SEP 2004
2. LOCATION: Captain's Bay, Dutch Harbor, AK
3. EQUIPMENT: SCUBA gear and wet or dry suits
4. PERSONNEL: LTJG Noel, CWO [REDACTED], MKCS [REDACTED], BM1 [REDACTED], DC2 [REDACTED]
5. OPERATIONS: Wreck dive on WWII vessel partially sunk in Captain's Bay to maintain dive qualifications and to refresh divers on safe practices.
6. PLAN: Team A - two divers; Team B - three divers; dive supervisor and ready standby on surface. Tending lines and buddy lines will not be necessary. All five divers will be able to dive.
7. MAX BOTTOM DEPTH/TIME: Team A: 30ft/30min No Decompression; Team B: 30ft/30min No Decompression.
8. SUPPORT: LCVP for use as dive platform with BM1 Bresnahan as coxswain and CWO Mills as boat engineer.
9. EMERGENCY PLAN: Standby for Team B will be eligible for repetitive dive if needed. HEALY'S hyperbaric chamber has been pressure tested and verified operational within the last six months and will be taken on LCVP to dive site. All dive team members have had training on use of the chamber.

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PAGE 12 OF 24 PAGES.

6,7c

			1901.			
Louis Walsh	ship	1/1/1902	Wrecked during gale after breaking her moorings. The Walsh was blown ashore on the spit and sat high and dry. Later, the hulk was stripped, and the hull was broken up.	near Dutch Harbor	1,433	
Number Four	Scow	3/13/1942	War loss	Vicinity of Dutch Harbor. Sunk by enemy action	74	Berm 219
Number Two	Scow/steel	3/13/1942	War loss	Vicinity of Dutch Harbor. Sunk by enemy action	74	Berm 219
Dellwood	U.S. Army cable ship	7/19/1943	Sank	In Massacre Bay, Attu Island after striking a pinnacle rock while laying submarine cable between Dutch Harbor and outlying Aleutian Islands/3(518); Jul 20, 52-50 N/173-00 E off Alexai Pt., Aleutians/5; 4 (3336)		NASS, AK. Sports 8/46, MCC: 518, CG Records
[1/6]						

Alaskan Shipwreck Home Page

Sources

Content: [REDACTED]
 Alaska OCS Region
 Minerals Management Service

30 fath depth?

G, 7c

Search for Alaskan Shipwrecks by Cause of Wreck or Where Lost

Word or Partial Text to Search For

Vessel	Vessel Type	Date of Wreck	Cause of Wreck	Where Lost	Length/Tons	Sources
Constantine	river steamer	7/4/1898	Broke up and sank while in tow of South Portland (steamer Progresso?). In Sept. aschooner captain in Dutch harbor told officers of Capilano that he had seen the wreck drifting 200 miles offshore and had boarded abandoned vessel and salvaged supplies.	450 mi off Dixon Entrance		
No. 6	barge	7/27/1898	Foundered.	near Dutch Harbor		
No. 8	barge	7/28/1898	Foundered.	near Dutch Harbor		
Mermaid	bark	10/1/1899	Lost. One man was killed. The bone from two bowheads was saved.	Dutch Harbor	273	
James Sennett	four-masted schooner	8/7/1901	Stranded due to strong tide rips and fog. The captain manned a boat and sailed to Dutch Harbor and then to Seattle for assistance. He went back to attempt salvage of vessel but it had already broken up.	Unimak Pass, 2 mi above Scotch Cap	766/693	
Fearless	Chilean steam-whaling bark	11/30/1901	Went aground in blizzard with both anchors and all chains out; it struck a rock and was a total wreck. Vessel abandoned and sold at auction Dec. 7,	on rock S. side of Dutch Harbor	248/220	

PAGE 14 OF 24 PAGE:



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Dutch Harbor AK
US

Notes:

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ISS PAGE 15 OF 24 PAGES.



1544
15 Nov 2004

MEMORANDUM

From: J.E. Noel, LTJG

Reply to: Dive Officer
Attn of: LTJG J.E. Noel

To: CAPT [REDACTED], CO [REDACTED]
Thru: CDR [REDACTED], XO [REDACTED] 11/16/04
LCDR [REDACTED], OPS [REDACTED]

Subj: STORIS HULL INSPECTION

1. DATE: 1000 17 Nov 2004
2. LOCATION: Pier 66
3. EQUIPMENT: SCUBA gear and wet or dry suits
4. PERSONNEL: ENS [REDACTED], CWO [REDACTED], MKCS [REDACTED], DC2 [REDACTED], LTJG [REDACTED]
(POLAR SEA)
5. OPERATIONS: Basic hull inspection for CGC STORIS.
6. PLAN: Dive will be conducted from the pier with four divers and a dive supervisor. Tending lines and buddy lines will not be necessary. Divers will visually inspect underwater hull equipment for signs of damage, corrosion, or excessive biological growth.
7. MAX BOTTOM DEPTH/TIME: 40ft/60min No Decompression
8. SUPPORT: LTJG [REDACTED], dive officer of POLAR SEA, will be the dive supervisor. No small boat support is required.
9. EMERGENCY PLAN: HEALY'S hyperbaric chamber has been pressure tested and verified operational within the last six months. All dive team members have had training on use of the chamber. The nearest hyperbaric facility is Divers Institute of Technology, 4315 11th Ave. NW, Seattle, WA, 206-783-5542.

#

C, TC



1544
5 Jan 2005

MEMORANDUM

From: J.E. Noel, LTJG *JAN*

Reply to: Dive Officer
Attn of: LTJG J.E. Noel

To: CAPT [REDACTED], CO *1/5/05*
Thru: CDR [REDACTED], XO *1/5/05*
LCDR [REDACTED], OPS
LCDR [REDACTED], EO

Subj: TRAINING DIVE

- 1. DATE: ¹⁰ 6 Jan 2005
2. LOCATION: Alki Beach, West Seattle, WA
3. EQUIPMENT: SCUBA gear and dry suits
4. PERSONNEL: LTJG Noel, ENS [REDACTED], CWO [REDACTED], DC2 [REDACTED]
5. OPERATIONS: Beach dive to maintain dive qualifications and to refresh divers on dry suit use.
6. PLAN: Team dive in open waters. Tending lines and buddy lines will not be necessary.
7. MAX BOTTOM DEPTH/TIME: 1st dive 50'/15min, 2nd dive 40'/15min No Decompression.
8. SUPPORT: None required. Team will use GOV for transportation.
9. EMERGENCY PLAN: The nearest hyperbaric facility is Divers Institute of Technology, 4315 11th Ave. NW, Seattle, WA, 206-783-5542.

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1544
3 Feb 2005

MEMORANDUM

From: J.E. Noel, LTJG

Reply to: Dive Officer
Attn of: LTJG J.E. Noel

To: CAPT [REDACTED], CO

Subj: HULL INSPECTION DIVE, CGC BLUE SHARK

1. DATE: Friday, 3 February 2006
2. LOCATION: Everett, WA
3. EQUIPMENT: SCUBA gear and wet suits
4. PERSONNEL: LTJG Noel (dive supervisor), LTJG [REDACTED] and BM2 [REDACTED] (divers), TBD (standby diver)
5. OPERATIONS: Inspect thru-hull fittings, shafts, rudders, transducers, sea chests, welds, bottom coating, and zincs for seal and cleanliness; clean as necessary.
6. PLAN: Dive team will conduct visual inspection and note discrepancies during first dive. Divers will return to hull with brushes and scrapers to clean fouled areas.
7. MAX BOTTOM DEPTH/TIME: 1st dive 30'/30min, 2nd dive 30'/30min No Decompression.
8. SUPPORT: Team will use GOV for transportation.
9. EMERGENCY PLAN: The Everett Navy Base has hyperbaric facilities in the event of a dive emergency.

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LS 1143 :16:18
RS 1159 :08 0:54
LS 1207 :18:48
RS 1225

23' map D

G, 7c



1510
03 March 2005

MEMORANDUM

From: [REDACTED], MKCS

Reply to Dive Sup
Attn of:

To: CGC Healy (WAGB-20)
Thru: Executive Officer, CGC Healy (WAGB-20)
Engineering Officer CGC Healy (WAGB-20)
Operations Officer CGC Healy (WAGB-20)

Subj: DIVE PLAN FOR HULL WORK OF CGC HEALY (WAGB-20)

1. DATE OF OPERATIONS: 0900 03 MAR 05
2. LOCATION: Pier 36 Seattle Wa.
3. PURPOSE: Underwater hull patch installation.
4. EQUIPMENT: Divers will deploy with Dry suits and Wet suits, Surface supply for Healy Divers and standard SCUBA equipment for Polar Sea Divers.
5. PERSONNEL: LTJG [REDACTED] from the Polar Sea is BDO qualified, MKCS [REDACTED], and BM2 [REDACTED], are the qualified dive supervisors. DC2 [REDACTED], 2 Polar Sea divers ET3 [REDACTED] MST3 [REDACTED] and 2 MSST Divers are qualified SCUBA divers.
6. OPERATIONS: Divers will conduct an underwater operation, installing 2 rubber patches and on CGC Healy's bow thruster intake. Maximum depth will not exceed 35 feet of seawater and duration of dives will not exceed 200 minutes.
7. SUPPORT: Facilities engineering supplying a crane.
8. EMERGENCY PLAN: Verified with Virginia Mason Hospital the their hyperbaric chamber is operational (206-583-6543).

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1544
25 May 2005

MEMORANDUM

From: J.E. Noel, LTJG

Reply to: Dive Officer
Attn of: LTJG J.E. Noel

To: CAPT [REDACTED], CO [REDACTED] sf/25
Thru: CDR [REDACTED], XO [REDACTED]
LCDR [REDACTED], OPS [REDACTED]
LCDR [REDACTED], EO [REDACTED]

Subj: SEWAGE LINE RETRIEVAL

1. DATE: 27 May 2005
2. LOCATION: CGC HEALY, Seattle, WA
3. EQUIPMENT: SCUBA gear
4. PERSONNEL: LTJG Noel, ENS [REDACTED], MKCS [REDACTED], BM2 [REDACTED]
5. OPERATIONS: Recover sewage lines where they were dropped during removal for shakedown cruise.
6. PLAN: Two SCUBA divers will tie a tagline around one end of the three attached hoses and pier-side personnel will haul them to surface.
7. MAX BOTTOM DEPTH/TIME: 45ft/ 30minutes, No Decompression.
8. SUPPORT: None
9. EMERGENCY PLAN: The nearest hyperbaric facility is Divers Institute of Technology, 4315 11th Ave. NW, Seattle, WA, 206-783-5542.

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1544
10 March 2006

MEMORANDUM

From: **Hill J.E.**
LT
Dive Officer

Reply to
Attn of: LT J.E. Hill

To: CAPT [REDACTED], CO

Thru: LCDR [REDACTED], OPS

Subj: DIVE OP - YAQUINA BAY BUOY 3 FOULED ON REEF

1. DATE: 14 March 2006 (travel 13-15Mar)
2. LOCATION: Yaquina Bay, Newport, OR
3. EQUIPMENT: SCUBA gear and wet suits
4. PERSONNEL: LTJG Piedmont (dive supervisor, POLAR SEA), LT [REDACTED] and BM2 [REDACTED] (divers), LTJG [REDACTED] (standby diver)
5. OPERATIONS: Release buoy shackle from mooring to allow buoy to be repositioned.
6. PLAN: Divers will deploy from STA Yaquina Bay RHI via clump line approx 50yds up-wind/current of buoy; bottom crawl to buoy anchor & conduct work with appropriate tools provided by STA or ANT. Divers return to RHI; dive complete. Buoy will be towed by 47' to proper position. See enclosures (1) and (2).
7. MAX BOTTOM DEPTH/TIME: 30ft/ 75min, No Decompression.
8. SUPPORT: Team will use GOV for transportation to/from Newport, OR. STA Yaquina Bay will provide small boat support; ANT Puget Sound will provide training and the appropriate tools. TONOs provided by CGC FIR.
9. EMERGENCY PLAN: In the event of a dive emergency, the nearest hyperbaric facilities are in Portland, OR. Dive team will carry portable hyperbaric stretcher to STA Yaquina Bay for temporary treatment during transportation to facility.

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Enclosures: (1) Buoy diagram
(2) Email description of work

6,7c



1544
6 April 2006

MEMORANDUM

From: J.E. Hill, LT, 1190945, USCG

Reply to: Dive Officer
Attn of: LT J.E. Hill

To: [REDACTED], CAPT [REDACTED] 4/6/06

Subj: TEAM DIVE AND RE-ENLISTMENT

1. DATE: Monday, 10 April 2006
2. LOCATION: Edmonds, WA
3. EQUIPMENT: SCUBA gear and wet suits
4. PERSONNEL: LT Hill, LTJG [REDACTED], BM2 [REDACTED], BM2 Duque
5. OPERATIONS: LT Hill to conduct re-enlistment for BM2 [REDACTED] followed by team dive at "Diver's Underwater Park" – an area of sunken vessels designated for SCUBA divers.
6. PLAN: Team will dive together, conduct re-enlistment and refresher training.
7. MAX BOTTOM DEPTH/TIME: 40feet/50 minutes, No Decompression.
8. SUPPORT: Team will use GOV for transportation.
9. EMERGENCY PLAN: The Everett Navy Base and Virginia Mason Hospital in Seattle have hyperbaric facilities in the event of a dive emergency.

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ENCLOSURE (155)

PAGE 22 OF 24 PAGES.

G, TC



1544
27 July 2006

MEMORANDUM

From: LT J.E. Hill, Dive O

Reply to: Dive Officer
Attn of: LT J.E. Hill

To: CAPT D.G Russell, CO
Thru: LCDR [REDACTED], OPS

Subj: ARCTIC DIVE FAMILIARIZATION

1. DATE: 28 July 2006 or other opportunity during HLY06-02 mission
2. LOCATION: Arctic Ocean, approx 75N, 153W
3. EQUIPMENT: SCUBA gear with AGA full face mask and dry suits
4. PERSONNEL: LT Hill, ENS [REDACTED], BM2 Duque
5. OPERATIONS: Familiarize new divers with dry suits and ice diving.
6. PLAN: Team will conduct two dives from a suitable ice floe accessed by the dive stage or LCVP. Upon entering the water, all divers will conduct suit checks; dive sup will ensure divers know proper dry suit and safety procedures prior to leaving surface. Team will dive together with LT Hill as the qualified supervisor.
7. MAX BOTTOM DEPTH/TIME: 20 feet for 20 minutes, No Decompression. Two dives.
8. SUPPORT: Crane to move divers and equipment via dive stage (aka 'man basket') to/from ice. If HEALY is not alongside a floe, will need LCVP and crew. Two tenders, preferably dive candidates and/or previous tenders, one being a qualified bear watch. LTJG Carr has volunteered to attend all dive ops as tender and medical observer; he has attended the NDSTC Recognition & Treatment of Dive Illnesses course.
9. EMERGENCY PLAN: HEALY's hyperbaric chamber has been inspected and satisfactorily tested within the last 12 months; dive and medical personnel are trained in use of chamber. Hypothermia symptoms and treatments will be reviewed by divers and medical personnel prior to diving.

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6,7c



1544
17 August 2006

MEMORANDUM

From: LT J.E. Hill, Dive O

Reply to: Dive Officer
Attn of: LT J.E. Hill

To: CAPT D.G Russell, CO
Thru: LCDR [REDACTED], OPS

Subj: ARCTIC DIVE FAMILIARIZATION

1. DATE: 17 August 2006 or any opportunity during HLY06-02 mission
2. LOCATION: Arctic Ocean, approx 76N, 176W
3. EQUIPMENT: SCUBA gear with AGA full face mask and dry suits
4. PERSONNEL: LT Hill, ENS [REDACTED] BM2 Duque
5. OPERATIONS: Familiarize new divers with dry suits and ice diving in preparation for potential Arctic dive ops in 2007.
6. PLAN: Team will conduct two dives from a suitable ice floe accessed by the dive stage. Upon entering the water, all divers will conduct suit checks and familiarization; dive sup will ensure divers know proper dry suit and safety procedures prior to leaving surface. Team will dive together with LT Hill as the qualified supervisor.
7. MAX BOTTOM DEPTH/TIME: 20 feet for 20 minutes, No Decompression. Two dives.
8. SUPPORT: Crane to move divers and equipment via dive stage (aka 'man basket') to/from ice. Three tenders, preferably dive candidates and/or previous tenders, one being a qualified bear watch. LTJG [REDACTED] has volunteered to attend all dive ops as tender and medical observer; he has attended the NDSTC Recognition & Treatment of Dive Illnesses course.
9. EMERGENCY PLAN: HEALY's hyperbaric chamber has been inspected and satisfactorily tested within the last 12 months; dive and medical personnel are trained in use of chamber. Hypothermia symptoms and treatments will be reviewed by divers and medical personnel prior to diving.

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155

PAGE 24 OF 24 PAGES.

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