

LONG BEACH FIRE DEPARTMENT
Marine Safety Division

TRAINING ACTION PLAN

C-Shift Overturned Vessel Dive



Operational Period

Date From: 08/12/2024
Time From: 0900 Hours

Date To: 08/12/2024
Time To: 1300 Hours

Approved By Incident Commander:

Rank, First Initial, Last Name

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:	2. Operational Period: Date From: _____ Date To: _____ Time From: _____ Time To: _____																
3. Objective(s):																	
4. Operational Period Command Emphasis:																	
General Situational Awareness																	
5. Site Safety Plan Required? Yes ☐ No ☐ Approved Site Safety Plan(s) Located at:																	
6. Incident Action Plan (the items checked below are included in this Incident Action Plan): <table style="width: 100%; border: none;"><tr><td style="width: 33%;">☐ ICS 203</td><td style="width: 33%;">☐ ICS 207</td><td style="width: 33%;"><u>Other Attachments:</u></td></tr><tr><td>☐ ICS 204</td><td>☐ ICS 208</td><td>☐ _____</td></tr><tr><td>☐ ICS 205</td><td>☐ Map/Chart</td><td>☐ _____</td></tr><tr><td>☐ ICS 205A</td><td>☐ Weather Forecast/Tides/Currents</td><td>☐ _____</td></tr><tr><td>☐ ICS 206</td><td></td><td>☐ _____</td></tr></table>			☐ ICS 203	☐ ICS 207	<u>Other Attachments:</u>	☐ ICS 204	☐ ICS 208	☐ _____	☐ ICS 205	☐ Map/Chart	☐ _____	☐ ICS 205A	☐ Weather Forecast/Tides/Currents	☐ _____	☐ ICS 206		☐ _____
☐ ICS 203	☐ ICS 207	<u>Other Attachments:</u>															
☐ ICS 204	☐ ICS 208	☐ _____															
☐ ICS 205	☐ Map/Chart	☐ _____															
☐ ICS 205A	☐ Weather Forecast/Tides/Currents	☐ _____															
☐ ICS 206		☐ _____															
7. Prepared by: Name: _____ Position/Title: _____ Signature: _____																	
8. Approved by Incident Commander: Name: _____ Signature: _____																	
ICS 202	IAP Page _____	Date/Time: _____															

1. Incident Name:	2. Date/Time Prepared:	3. Operational Period:	
	Date:	Date From:	Date To:
	Time:	Time From:	Time To:

[illegible]

ICS 205 IAP Page ____ Date/Time: _____

MEDICAL PLAN (ICS 206)

1. Incident Name:		2. Operational Period: Date From: _____ Time From: _____		Date To: _____ Time To: _____			
3. Medical Aid Stations:							
Name	Location	Contact Number(s)/Frequency	Paramedics on Site?				
			☐ Yes ☐ No				
			☐ Yes ☐ No				
			☐ Yes ☐ No				
			☐ Yes ☐ No				
			☐ Yes ☐ No				
			☐ Yes ☐ No				
4. Transportation (indicate air or ground):							
Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service				
			☐ ALS ☐ BLS				
			☐ ALS ☐ BLS				
			☐ ALS ☐ BLS				
			☐ ALS ☐ BLS				
5. Hospitals:							
Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)/Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Ground			
					☐ Yes Level: _____	☐ Yes ☐ No	☐ Yes ☐ No
					☐ Yes Level: _____	☐ Yes ☐ No	☐ Yes ☐ No
					☐ Yes Level: _____	☐ Yes ☐ No	☐ Yes ☐ No
					☐ Yes Level: _____	☐ Yes ☐ No	☐ Yes ☐ No
					☐ Yes Level: _____	☐ Yes ☐ No	☐ Yes ☐ No
6. Special Medical Emergency Procedures:							
☐ Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.							
7. Prepared by (Medical Unit Leader): Name: _____ Signature: _____							
8. Approved by (Safety Officer): Name: _____ Signature: _____							
ICS 206		IAP Page _____		Date/Time: _____			

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name:	2. Operational Period: Date From: _____ Date To: _____ Time From: _____ Time To: _____	
3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:		
4. Site Safety Plan Required? Yes ☐ No ☐ Approved Site Safety Plan(s) Located At:		
5. Prepared by: Name: _____ Position/Title: _____ Signature: _____		
ICS 208	IAP Page _____	Date/Time: _____



Long Beach Fire Department Dive Team Dive Plan

Date: 08-12-2024

Location: Station 33/ Boat Ops

Dive Supervisor: Williams

Depth: 15'-20'	Visibility: 3-5 ft.	Temp: 68 Deg
Equipment: ☐ Wet ☒ Dry ☐ RDU	☒ SCUBA	☒ Surface Comms
Dive Type: Vehicle in the water		
Hazards: ☒ Entanglement ☒ Overhead Environment ☐ Pollution ☐ Strong Current	☐ Other:	

Dive 1 Time:0930

Divers:	Williams, Mathison, Wawrzynski, TBD	
RIC:	TBD, Mathison	
Start P.G.:	A	
Depth:	20 Ft.	
Bottom Time:	20 Min.	
Safety Stop:	N/A	
End P.G.:	B	
Surface Interval:		
Coverage:	RB1/ RB3 LG-7	DTM/ Bay Beach

Dive 2 Time:1030

Divers:	McColl	
RIC:	TBD	
Start P.G.:	A	
Depth:	20 Ft.	
Bottom Time:	20 Min.	
Safety Stop:	N/A	
End P.G.:	B	
Surface Interval:		
Coverage:	RB1/ RB3 LG-7	DTM/ Bay Beach

Dive 3 Time: 1130

Divers:	TBD, Jimenez	
RIC:	TBD	
Start P.G.:	A	
Depth:	20 Ft.	
Bottom Time:	20 Min.	
Safety Stop:	N/A	
End P.G.:	B	
Surface Interval:		
Coverage:	RB3/RB1 LG6	DTM/ Bay Beach

Notifications: ☐ USCG (310) 521-3815

☐ Catalina Hyperbaric Chamber (310) 510-4020

Dive Description/Sketch: Full Scuba/Drysuit Primary Search for Overturned Vessel

Objectives:

- Don Dry suit and Full Scuba,
- Enter water from the rescue boat
- Set marker buoy
- Search the overturned vessel, report findings
- Primary search around the marker buoy covering the bottom under and near the vessel
- Recover victim to the surface
- Reset the victim

Coverage Assignments:

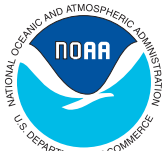
0830 RB-1 cover the ocean front for RB2

0900 RB2, and RB3 (Wawrzynski, Mathison) meet at Station 33; RB-3 cover bay/ LG6 (McColl) cover beach

1000 LG6 (McColl) to Station 33; LG7 (Jimenez) cover the beach

1130 LG7 meet at Station 33; LG-6 cover the beach

1230 Post op



NOAA NO-DECOMPRESSION TABLE MULTIPLE AIR DIVES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS. CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

CHART 1 — DIVE TIMES WITH END-OF-DIVE GROUP LETTER

RNT RESIDUAL NITROGEN TIME
+ ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME
(USE ESDT TO DETERMINE END-OF-DIVE LETTER GROUP)

THESE CHARTS ARE BASED ON THE U.S. NAVY AIR DECOMPRESSION TABLES 7, 8, & 9 REV. 6

DEPTH		DIVE TIME REQUIRING DECOMPRESSION STOP																								00		
		MINUTES REQUIRED AT 20 fsw (6.1 msw)																								00		
msw	fsw	12.2	40	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180	194	210	227	245	264	283	303	323	344
13.7	45	11	17	24	31	39	46	55	63	72	82	92	102	114	125	137	150	163	177	191	206	221	236	251	266	281	296	311
15.2	50	9	15	21	28	34	41	48	56	63	71	80	89	99	109	120	131	142	153	164	175	186	197	208	219	230	241	252
16.8	55	8	14	19	25	31	37	43	50	56	63	71	79	88	98	108	118	128	138	148	158	168	178	188	198	208	218	228
18.3	60	7	12	17	22	28	33	39	45	51	57	64	71	79	88	97	107	116	126	135	145	154	164	173	183	192	202	211
21.3	70	6	10	14	19	23	28	32	37	42	47	53	59	66	74	82	90	98	106	114	122	130	138	146	154	162	170	178
24.4	80	5	9	12	16	20	24	28	32	36	40	45	50	56	62	68	74	80	86	92	98	104	110	116	122	128	134	140
27.4	90	4	7	11	14	17	21	24	28	31	35	39	43	47	51	55	59	63	67	71	75	79	83	87	91	95	99	103
30.5	100	4	6	9	12	15	18	21	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79	82
33.5	110	3	6	8	11	14	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76	79
36.6	120	3	5	7	10	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78
39.6	130	2	4	6	9	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	73	76

fsw		40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	GROUP LETTER
msw		12.2	13.7	15.2	16.8	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6								
13	12	11	10	9	8	7	6	5	5	5	4	4	4	4	4	4	4	4	4	4	◀A
150	113	81	64	51	40	32	24	20	15	12	8	7	6	6	6	6	6	6	6	6	◀B
21	18	17	15	14	12	10	9	8	8	8	7	7	6	6	6	6	6	6	6	6	◀C
142	107	75	59	46	36	29	21	17	12	10	6	5	4	4	4	4	4	4	4	4	◀D
29	25	23	20	19	16	14	12	11	10	9	9	9	9	9	9	9	9	9	9	9	◀E
134	100	69	54	41	32	25	18	14	10	6	5	4	4	4	4	4	4	4	4	4	◀F
37	32	29	26	24	20	18	16	14	13	12	12	12	12	12	12	12	12	12	12	12	◀G
126	93	63	48	36	28	21	14	11	7	3											◀H
45	40	35	32	29	25	22	19	17	16	14	14	14	14	14	14	14	14	14	14	14	◀I
118	85	57	42	31	23	17	11	8	4	1											◀J
55	48	42	38	35	29	25	22	20	18												◀K
108	77	50	36	25	19	14	8	5	2												◀L
64	56	49	44	40	34	29	26	23													◀M
99	69	43	30	20	14	10	4	2													◀N
74	64	57	51	46	39	33	29														◀O
89	61	35	23	14	9	6	1														◀P
85	73	65	58	52	44	38															◀Q
78	52	27	16	8	4	1															◀R
97	83	73	65	58																	◀S
66	42	19	9	2																	◀T
109	93	81	72																		◀U
54	32	11	2																		◀V
122	104	90																			◀W
41	21	2																			◀X
136	115																				◀Y
27	10																				◀Z
152	11																				

CHART 3 — REPETITIVE DIVE TIME

00 RED NUMBERS (TOP) ARE RESIDUAL NITROGEN TIMES (RNT)
00 BLACK NUMBERS (BOTTOM) ARE ADJUSTED
NO-STOP REPETITIVE DIVE TIMES
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER

CHART 2 — SURFACE INTERVAL TIME

Time Ranges in hours: minutes

Enter Chart 2 from the top,
move down to find surface interval time,
move left to find the next repetitive group letter.

PUBLIC SAFETY DIVE TEAM REPETITIVE DIVE LOG

Date: August 12, 2024

Location: Station 33

Dive Supervisor: Williams

Tables Used: Noaa

Dive Type: Drill

Dive Description: Overturned Vessel

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[illegible]