NOAA DIVING PROGRAM

DIVE ACCIDENT MANAGEMENT FIELD REFERENCE GUIDE



NOAA Diving Center 7600 Sandpoint Way NE Seattle, WA 98115

Updated October 2018

TABLE OF CONTENTS

Page	Торіс
1	Medical Treatment for a Conscious Diver
2	
3	Signs and Symptoms of Diving Maladies
7	Diver Contact Info/Dive History
8	Additional Dive History/Background Info
9	Neurological Examination Form
11	Treatment Notes
12	Glasgow Coma Scale
13	Emergency Call-In Script
14	Contact Information/Chamber Locations
16	NDP Accident Mngt. & Reporting Procedures
17	Immediate Notification Report
20	Form CA-1
22	Form CD-137
23	NDP Diving Incident Report Form

Treatment of the Conscious Diver

Assess for life threatening or other severe injuries?

Assess if the diver is alert and oriented

Is the incident diving related?

Remove exposure suit and keep diver dry and warm

Hydrate with appropriate fluids

Place in position of comfort

Take and record vitals q 15 min or as needed

Contact medical control or EMS

Monitor patient closely

Call 911 or alternate emergency response

Initiate oxygen therapy

Perform neuro exam

NOAA Dive Accident Management Field Reference Guide

Treatment of the Unconscious Diver

Assess if the diver is breathing

Check pulse and if needed begin CPR

Remove exposure suit and keep diver dry and warm

Is the incident diving related?

Place in lateral recumbent position

Initiate advanced care to level of training (IV, airway, etc)

Take and record vitals q 5 min

Monitor patient closely

Call 911 or alternate emergency response

Apply AED

Initiate oxygen therapy

Sign and Symptoms of DCS Type I DCS

Musculoskeletal

- Discomfort or abnormal feeling in or near a joint.
- Constant aching pain, usually not tender to touch or movement.
- No outward change in appearance

Skin

- Itching
- Rash
- Localized swelling of the skin
- Marbling (patchy blue and pink areas) Cutis Marmorata – Not simple skin bends and may require treatment

Lymphatic

- Swelling of extremity
- Pain in the area of swelling

Type II DCS

Neurologic

- Headache
- Numbness or tingling
- Weakness or paralysis
- Nausea
- Loss of bowel or bladder control
- Extreme fatigue
- Visual disturbances
- Difficulty standing or walking
- Chest pain
- Shortness of breath
- Behavioral changes
- Feeling of something's wrong

Vestibular (inner ear)

- Hearing loss
- Tinnitus (ringing in the ears)
- Vertigo
- Nausea/vomiting
- Lack of coordination

Pulmonary

- Chest tightness
- Difficulty breathing
- Chest pain
- Rapid breathing
- Abnormal breath sounds

Signs and Symptoms of AGE

Symptoms occur at or near the surface or generally within 10 minutes of surfacing

- Extreme fatigue
- Difficulty in thinking
- Vertigo
- Nausea and/or vomiting
- Hearing abnormalities
- Bloody sputum
- Loss of control of bodily functions
- Tremors
- Loss of coordination
- Loss of consciousness
- Cardiopulmonary arrest
- Other stoke like symptoms

Oxygen Toxicity

- V Visual disturbances
- E Ears (ringing, extraneous noises)
- N Nausea
- T Twitching/Tingling
- Irritability
- D Dizziness
- **CON** Convulsions

NOAA DIVER CONTACT INFORMATION Name of Diver: ______ DOB: _____ Present Address: _____ Zip: _____ Height: _____ Weight: ____ Age: ___ Sex: M F Home Phone: _____ Work: ____ Cell: ____ Present Employer: _____ Significant Medical History / Allergies: _____ Preferred contacts in event of an emergency: Name:______ Phone: _____ Name:______ Phone: _____ DIVE HISTORY Date: _____ Time of Day: _____ Depth: ____ Bottom Time: _____ Breathing Gas: _____ Equipment Used: _____ Did anything unusual occur prior to or during dive? If so, describe If repetitive, list specifics of previous dives in past 24 hours: Depth: _____ Bottom Time: _____ Surface Interval: _____ Location at time of injury: ______Time of onset: _____ Was symptom noticed before, during, or after the dive? _____ If during, was it while descending, on the bottom, or ascending? _____ Has symptom increased or decreased since first noticed? Diver's description of symptoms (include location, type, quality, etc.)

ADDITIONAL DIVE HISTORY
Does pain radiate? If so, where fromto
Does pain increase with movement or palpation?
Have any other symptoms occurred since the first one was noticed? If so, describe
Has patient ever had a similar symptom? If so, describe
Has patient ever had DCS or AGE before? If so, note when and describe:
Dive Buddy's comments:
ADDITIONAL BACKGROUND INFORMATION
Does the patient smoke? yes no
Has there been any recent exposure to altitude? yes no
Are there any dive-related problems that could explain the present symptoms?
Current medication list:
List all medications taken during the previous 24-hours
If the diver is female, when was her last menstrual cycle?
When did the diver last eat and drink?
Describe the activities performed during the dive:
Describe the activities performed following the dive:

NOAA NEUROLOGIC EXAM FOR DIVING CASUALTIES

Name:		Date/Time:
Describe symptom:		
Dive Profile: D/BT / SI min D/BT /	/SImin D/BT	/ SI min D/BT/
MENTAL STATUS/STATE OF CONSCIOUSNESS		
(Circle one)		
A = Awake and alert Knows: person place		Identify objects?
V = Responsive to voice Can add nickel, quarter, and d		Glasgow Coma Scale score:
P = Responsive to pain Recite 3 unrelated objects after U = Unresponsive Speech: normal abn		
o = offiespolisive Speech floridal abit	UIIIai	
VITAL SIGNS Pulse/min Respirations	_ Blood Pressure	Temp (warm, cool, normal)
COORDINATION (Normal/Abnormal)	STRENGTH	
Walk:	Graded 0-5:	ible)
Heel-to-toe:	0 = Paralysis (no motion possi 1 = Profound weakness (trace	
Romberg: Finger-to-nose:		contraction but not against gravity)
Heel-shin slide:		overcome gravity but not resistance)
Rapid movement:	4 = Mild weakness (able to res	
·	5 = Normal (equal strength, at	ple to resist force)
CRANIAL NERVES (Normal/Abnormal)	<u>Upper body:</u> Delto	ids: L R
Sense of smell (I)	Latissim	nus: L R
Vision/visual field (II)		eps: L R
Eye movements, pupils (III, IV, VI)		eps: L R
Facial sensation, chewing (V)	Forearms (gr	rip): L R
Facial expression muscles (VII) Hearing (VIII)	Tanus (iiiyei sprea	ad): L R ion: L R
Upper mouth, throat sensation (IX)	Extens	ion: L R
Gag and voice (X)	Abduction (sprea	ad): L R
Shoulder shrug (XI)		ze): L R
Tongue (XII)		ion: L R
		ion: L R
		ion: L R
REFLEXES	Piantarilexi	ion: L R
Grade: (0-absent, 1-hypoactive, 2-normal, 3-hyperactive)		
Biceps: LRForearm: LR	Knees: L R	Ankles: L R
DESCRIBE ALL ABNORMAL FINDINGS:		

Glasgow Coma Scale

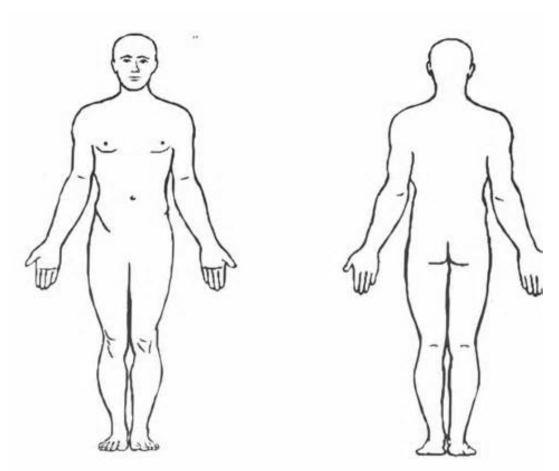
Eye Opening				
Spontaneously	4			
To verbal command	3			
To painful stimulus	2			
None	1			

Verbal Response	
Talking/Oriented	5
Confused/Disoriented	4
Inappropriate words	3
Incomprehensible words	2
None	1

Motor Response				
Obeys commands	6			
Localizes to pain	5			
Withdraws from pain	4			
Abnormal Flexion	3			
Abnormal extension	2			
None	1			

NOAA Neurologic Exam for Diving Casualties

NEUROLOGIC EXAMINATION (Page 2 of 2)



SENSORY EXAMINATION FOR SKIN SENSATION (Check for sharp, dull, light touch sensation; use diagram to record location of numbness/tingling, pain)

LOCATION

Comments:			
Examiner (print)	Signature	Title	Date

TREATMENT NOTES

GLASGOW COMA SCALE

- I. Motor Response
 - 6 Obeys commands fully
 - 5 Localizes to noxious stimuli
 - 4 Withdraws from noxious stimuli
 - 3 Abnormal flexion, i.e. decorticate posturing
 - 2 Extensor response, i.e. decerebrate posturing
 - 1 No response
- II. Verbal Response
 - 5 Alert and Oriented
 - 4 Confused, yet coherent, speech
 - 3 Inappropriate words, and garbled phrases consisting of words
 - 2 Incomprehensible sounds
 - 1 No sounds
- III. Eye Opening
 - 4 Spontaneous eye opening
 - 3 Eyes open to speech
 - 2 Eyes open to pain
 - 1 No eye opening

Glasgow Coma Scale = I + II + III. A Coma Score of 13 or higher correlates with a mild brain injury, 9 to 12 is a moderate injury, and 8 or less a severe brain injury.

EMERGENCY CALL-IN SCRIPT

"I am a NOAA Divemaster and I am calling to report a diving-related emergency requiring immediate medical assistance. The victim is a (age) year old
(gender) who is (conscious/unconscious)
with the following symptoms after diving with compressed
gas (describe pain, dizziness, etc.)"
"We have placed the victim in the supine position, and have initiated basic first aid. We have also completed a field neurological exam, with the following results (note any deficits). The victim is on 100% oxygen by mask, and we have rendered the following additional treatment (CPR, IV fluids, medications, etc.) Last vital signs are as follows"
Temp: Pulse: Resp: B/P:/
"We are at the following location(location of diver / landmarks) and request immediate medical transport to (receiving facility of choice) via (air / ground) transport"
Note: Do not terminate callthe receiving unit will end the call.

CONTACT INFORMATION

<u>MEDICAL</u>

Local EMS	(911)
USCGV	HF Channel 16
On-Call DMO	(855) 822-3483
	(206) 526-6986
LCDR Gary Montgomery (non-emergency)	(206) 256-6430
	(830) 624-6283
MOC-P Medical Officer on call(206)	409-8725 (cell)
MOC-A Medical Officer on call(757)	
Diver's Alert Network (DAN)	
	,
ADMINISTRATIVE CONTACTS	
Greg McFall, NOAA Diving Program Director(305) 8	309-4713 (work)
	596-2464 (cell)
David Kowalick, NOAA Diving Center Manager (206) 5	` '
	817-9792 (cell)
,	(,
Roger Mays, NOAA Diving Safety Officer(301) 5	525-7380 (work)
	723-1612 (cell)
,	\ /

CHAMBER LOCATIONS & QUALIFIED PHYSICIANS (Seattle, WA)

Primary: Virginia-Mason Medical Center

1202 Terry Ave., Seattle, WA

Hyperbaric Department: (206) 583-6543 24-hour emergency line: (206) 583-6433

Secondary: Diver's Institute of Technology

1341 Northlake Way, Seattle, WA Chamber phone: (206) 783-5542

Tertiary: St. Joseph's Medical Center – Tacoma

Hyperbaric Medical Service: (253) 426-6630 24-hour emergency line: (253) 426-6630

Additional Assistance: Divers Alert Network

24-hour emergency line: (919) 684-9111

CONTACT INFORMATION CON'T.

OTHER TRANSPORTATION CONTACTS

U.S. Coast Guard – Boat or Helicopter (206) 220-7001 or (800) 982-8813 VHF Ch-16 or SFD dispatch

SPD Harbor Patrol

(206) 684-4071 VHF Ch-16 or SFD dispatch

King County Marine Unit

911 or (206) 296-3311 VHF Ch-16 or SFD dispatch

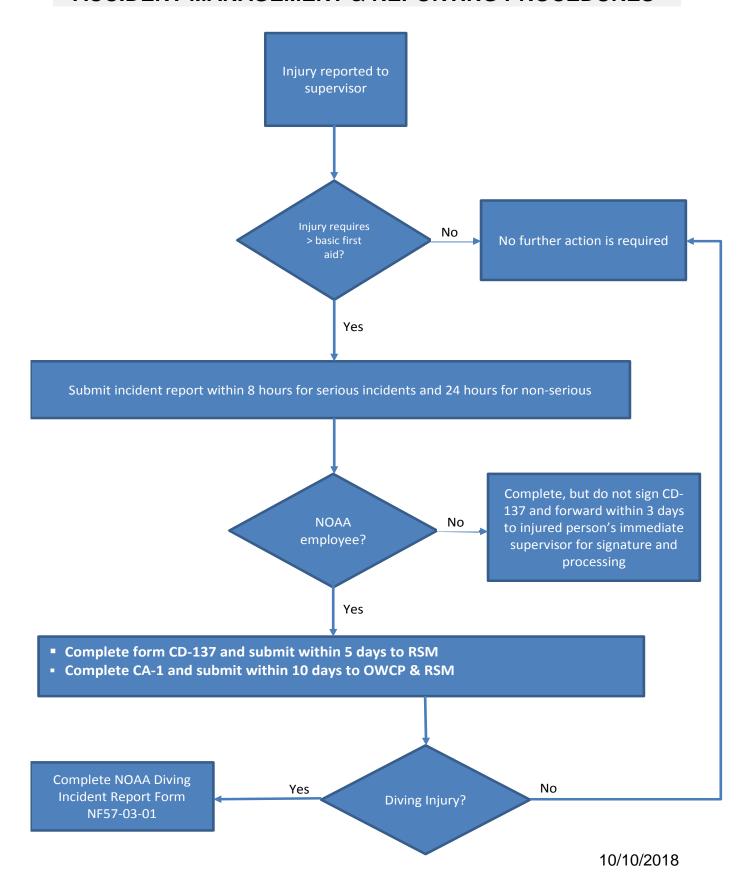
Mercer Island Police / Fire

Rescue (206) 236-3600 VHF Ch-16 or SFD dispatch

Airlift Northwest

(206) 329-2569

NOAA DIVING PROGRAM ACCIDENT MANAGEMENT & REPORTING PROCEDURES



Revised: February 2004

TO: LO Management, CC: NOAA Safety Director, RSM

Complete **the form then email to appropriate parties.** Forward completed form within 24 hours of a job related injury, illness or near-miss. **Note:** Save to your Desktop.

	, , , , , , , , , , , , , , , , , , , ,
	Immediate Notification Report
Supervisor Completing Form	
Job Title	
Last/First/Middle Name	
Facility	
Telephone Number	
Injured Employee or Affected	Property Information
Work Location	Troperty information
Job Title	
Last/First/Middle Name	
Telephone Number	
Property Identification	
Toporty Idontinoation	
Date/Time of Accident	
Occurrence	
Location of Accident	
Accident Type (injury/death/equipment)	
Description of Mishap	
Facility Corrective/Preventative Actions Implemented in Response to Accident	
Preventative Action Recommendations	
Additional Comments	
Date/Time Form Completed/Submitted	

Federal Employee's Notice of Traumatic Injury and Claim for Continuation of Pay/Compensation

U.S. Department of Labor Employment Standards Administration Office of Workers' Compensation Programs

Employee: Please complet Witness: Complete bottom Employing Agency (Super	section 16.	. 100 10 100000000 100000						
Employee Data		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Name of employee (Last,	First, Middle)					2.	Social Se	curity Number
3. Date of birth Mo. Day	CALLAND TO THE PARTY OF THE PAR	ale 🔲 Female	5. Ho	me telephone	6. Grade as date of in		Level	Step
7. Employee's home mailing	address (Include city, sta	te, and ZIP code)				8.	_	Husband ren under 18 years
Description of Injury								
Place where injury occurre	ed (e.g. 2nd floor, Main Po	ost Office Bldg., 12th	& Pine)				
10. Date injury occurred Mo. Day Yr.	Time a.m.	11. Date of this noti Mo. Day Yr.	ice	12. Employee's occupation				
13. Cause of injury (Describe	e what happened and why	')		•				
					-	a Oc	supation o	ohe
						a. ou	Jupanon C	ode
14. Nature of injury (Identify	both the injury and the pa	rt of body, e.g., fractu	ure of l	eft leg)		ь. Тур	e code	c. Source code
						owcı	OUse - N	Ol Code
Employee Signature								
United States Government my intoxication. I hereby intoxication of respond 45 days, or annual leave, a. Sick and/or Annual I hereby authorize any pedesired information to the This authorization also person who knowing as provided by the FEC/remedies as well as felo	ent and that it was not cauly claim medical treatment regular pay (COP) not to e. If my claim is denied, I u or be deemed an overpay ual Leave hysician or hospital (or an e.U.S. Department of Labermits any official represe or person acting on his gly makes any false stater A or who knowingly accep ny criminal prosecution arcomplete the receipt atta	sed by my willful mis, if needed, and the forexceed 45 days and conderstand that the comment within the measure of the office of Workers' intative of the Office to the office the offi	conduction, compensation, componentinual componenti	corporation, or government agensation Programs (or to its on the interest of the corporation of the corporat	nother person, is sabled for work core charged to si e charged to si e charged to si encey) to furnis official represent concerning me Date of act of fraud to bject to civil or ed by a fine or is sabled.	nor by c: ntinue: ck h any ntative e	s).	
16. Statement of witness (De	escribe what you saw, hea	ard, or know about thi					Date sig	ined
Addross		Oik			Otota		ZID Co.	10
Address		City			State		ZIP Cod	Ю

Form CA-1 Rev. Apr. 1999

Official Supervisor's Report: Please complete information requested below:		101000
Supervisor's Report		T
17. Agency name and address of reporting office (include city, state, and zip code)		OWCP Agency Code
	05	SHA Site Code
	ZIP Code	
18. Employee's duty station (Street address and ZIP code)		
19. Employee's retirement coverage		
20. Regular work	□ Wed. □	Thurs. □ Fri. □ Sat.
22. Date Mo. Day Yr. of Injury 23. Date Mo. Day Yr. 24. Date Mo. Day Yr. stopped work	Time:	□ a.m. □ p.m.
25. Date Mo. Day Yr. pay stopped 26. Date Mo. Day Yr. 27. Date Mo. Day returned to work	Yr. Time:	☐ a.m. ☐ p.m.
28. Was employee injured in performance of duty? Yes No (If "No," explain)		
29. Was injury caused by employee's willful misconduct, intoxication, or intent to injure self or another?	f "Yes," explain)	□ No
20 Was initial and all Name and address of third and (Include the older and 7/D and a)		
30. Was injury caused by third party? Yes No		
(If "No," go to item 32.)		
1011 02.7		
32. Name and address of physician first providing medical care (Include city, state, ZIP code)	33. First date medical care received	Mo. Day Yr.
	34. Do medical reports show employee is disabled for	
35. Does your knowledge of the facts about this injury agree with statements of the employee and/or witnesses?] Yes □ No	(If "No," explain)
36. If the employing agency controverts continuation of pay, state the reason in detail.	37. Pay rate when emplo stopped wor	
Signature of Supervisor and Filing Instructions	, and the second	1 01
38. A supervisor who knowingly certifies to any false statement, misrepresentation, concealment of fact, etc., in resp may also be subject to appropriate felony criminal prosecution.	ect of this claim	
I certify that the information given above and that furnished by the employee on the reverse of this form is true to knowledge with the following exception:	the best of my	
Name of supervisor (Type or print)		
Signature of supervisor Date		
Supervisor's Title Office phone		
39. Filing instructions No lost time and no medical expense: Place this form in employee's medical No lost time, medical expense incurred or expected: forward this form to OWCP Lost time covered by leave, LWOP, or COP: forward this form to OWCP))
First Aid Injury Form CA-1,		222 22 22

Rev. Apr. 1999

(Rev. 5/89) LF	TMENT OF COMMERCE Case: Control:									
ĎAO 209-4	Date Received:									
Report of Accident/Illness	Type/Source: /									
SAFETY & HEALTH MANAGEMENT INFORMA	TION Org. Code:									
TO BE COMPLETED BY EMPLOYEE										
1. Reason for Report: Accident	Illness									
2. Name:(Last, First, M.L.)	3. SSN:									
4. Occupation:										
6. Date of Birth:	7. Sex: Male Female									
Date/Time of Accident/Illness:	Time: AM PM									
9. Duty Station Address:	10. Location of Incident:									
11. Description of Incident:	_									
12. Extent of Injury or Illness and Body Parts Affected:										
Signature:	Date:									
TO BE COMPLETED BY EN	MPLOYEE'S SUPERVISOR									
13. Medical Treatment? Yes No	14. Lost Time? Yes No									
15. Investigator's Name:	15. Investigation Date:									
16. Findings:										
17. Amount of Property Damage: \$										
18. Corrective Action:										
19. Completion Date:	Estimated Actual									
Investigator's Signature:	Date:									
Title:										

Distribution: Original; Employee Supervisor; Employee; Safety Representative.

ADMINISTRATION/IPSG ELECTRONIC FORM

NOAA Form 57-03-01 U.S. DEPARTMENT OF COMMERCE (1-13) Page 1 of 2 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION															
(1 10)	1 450 1 01	_				NIVIO	G INCII	DENT F	REPORT		, CL, II II C	71112711111001	1121110710111		
NOTE	NOTE: The Unit Diving Supervisor (UDS) shall use this form to report serious diving related injuries, including near-drowning, arterial gas embolism (AGE), decompression sickness (DCS), pulmonary barotrauma, or any diving injury that requires hospitalization. An additional narrative and detailed analysis of the incident must be attached. Contact the NOAA Diving Center (NDC) to determine whether an event or minor injury requires an incident report.														
												T 20 20 20 20			
DIVER NAME								TIME of I	NCIDENT		DATE of	DATE of INCIDENT			
DIVER CERTIFICATION DIVE UNIT									LOCATIO	·					
DIVER CURRENT MEDICATIONS							DIVER CURRENT HEALTH PROBLEMS								
AGE	SE)	SEX (M/F) HIGHEST DIVE CERTIFICATION LEVEL				N LEVEL	CERTIFYING DIVING ASS					DCIATION			
				20.22 5333	L# of DIVES AST 6 MONT		PREVIOUS DIVE INCIDENTS and DATES								
			2 1 0												
☐ Open Circuit ☐ None / Dive Skin ☐ Semi Closed / ☐ Wet Suit					NDER TYPE	and SIZE				SEP ISSUED EQUIPMENT?					
	sed Circuit face Supplied	a I	Dry :	kness Suit		BREATHIN	IG GAS		CYLINDER PRESSURE OUT			DIVER FAMILIAR WITH EQUIPMENT?			
	orkel			2002-2002-2								L	YES	NO	
NAME of ON-SITE DIVING SUPERVISOR / LEAD DIVER						AIR TEMP	' (°F)	WATERT	TEMP (°F) U/W VISIBILITY (FT) CURRENT SPEED (KTS)						
NAME of DIVE BUDDY						DIVE PUR	DIVE PURPOSE DIVE LOCATION								
DIVE BUDDY AFFILIATION						DIVE PLA	TFORM	SURFACE CONDITIONS							
# of DIVES on # of DIVES on					TYPE of D	IVE		DIVES CON	NDUCTED WITH						
DAY of INCIDENT PREVIOUS DAY				DUTY non-DUTY Dive Tables Dive Comp					puter (Model)						
Was this dive typical of the diver's normal type of diving? If NO, explain:															
DZJENSON-NJETTE	be any proble cident dive or			during											
Dive #	Start Time	Max Bottom		e	Surface Deco Interval Stop? (HH:MM) (Y/N)		Safety Stop? (Y/N)	Stop Profile (Depth / Time)		Cold or Arduous? (Y/N)	Fast Ascent? (Y/N)	Incident Dive? (Y/N)			
1.				3											
2.															
3.															
4.															
5.															
6.															

V.S. DEPARTMENT OF COMMERCE (1-13) Page 2 of 2 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION											
DIVING INCIDENT REPORT FORM											
SECTION V. EMERGENCY PROCEDURES											
YES NO				<u>YES</u>	<u>NO</u>						
Was emergency o				Was there a dive accident management plan in place for dive site?							
Were emergency diving operations,				Was the dive accident management plan reviewed by all divers and support personnel prior to diving operations?							
SECTION VI. SYMPTOMS, PRE-											
DATE of SYMPTOM ONSET DESCRIPTION of SYMPTOMS				ON on BO	DY						
TIME of SYMPTOM ONSET											
DESCRIPTION of PRE-DIVE HEALTH											
DESCRIPTION OF PRE-DIVE HEALTH				DESCRIPTION of PRE-DIVE ALCOHOL CONSUMPTION (previous 24 hours)							
DESCRIPTION of PRE-DIVE REST or F	ATIGUE LEVELS			DESCRIPTION of STRENUOUS EXERCISE (6 hours prior and 12 hours post-dive)							
CHORECTED INTUINES HINESCES	ON STE OVVSEN	A DA AINHET D	ATION								
SUSPECTED INJURIES or ILLNESSES AGE	ON-STE OXYGEN Delivery Method		KATION	ON-SITE	FIKSI -/	AID TREATMENT PR	OVIDE	J			
Dcs	□ //32										
Pulmonary Barotrauma Time Started				INITIAL	L EMERGENCY CONTACT (name of person or agency)						
Other Barotrauma											
None	Time Stopped		TIME of INITIAL EMERGENCY CONTACT TIME TR.				TIME TRANSPOR	TATION STARTED			
Other											
FIRST-AID TREATMENT PROVIDED D	URING TRANSPORT			EMERGENCY TRANSPORT METHOD(S)							
SECTION VII. MEDICAL INFORM	ATION – Hospital (A	ttach all Er	mergency R	Room, Hy	perbar	ric Unit, and follow	w-up r	nedical records.)		
HOSPITAL NAME and ADDRESS	-	HOSPITAL	TREATMENT DATE of								
				ARRIVAL TIME of							
					ARRIVAL						
HYPERBARIC UNIT NAME and ADDRESS CHAM			TYPE		CHAMBER TREATMENT Treatment #1 Time Started Time Stopped						
			ce					Stopped			
			Mulitplac	e			atment #3 Time Started Time Stopped				
TREATMENT TABLE / DESCRIPTION TABLE I			ENSIONS		RET	RETREATMENT TABLE / DESCRIPTION					
DESCRIBE WHEN RELIEF FROM DESCRIBE ANY RESIDUAL SYMPTOMS OCCURED SYMPTOMS AFTER TREATMENT		ADDITION OF THE PROPERTY OF TH			FIN	AL DIAGNOSIS		r			
		ATMENT	SYMPTOM	S	DCS I AGE			Pulmonary Barotrauma			
				DCS II Other							
SECTION VIII. CERTIFICATION											
UDS NAME				UDS SIGNATURE DATE					DATE		
NOTE: A Diving Incident Report shall be completed by the UDS and submitted to their Line Office Diving Officer (LODO) within 10 days of the diving incident. A full report includes the following items:											
1. Diving Incident Report Form (NOAA Form 57-03-01)											
 Cover memorandum providing a narrative of the diving incident, including causal analysis and recommendations for prevention of future injuries. Medical records associated with any medical treatment of injuries resulting from this incident. 											
The LODO shall submit the UDS report, along with their own causal analysis and recommendations for prevention of future injuries to the Director, NOAA Diving Program within 30 days of the diving incident.											