Lunesdale Divers

Dive Log & Risk Assessment

Jun-20

Dive Site;	GPS Co-Ord;	**Date;**

Personnel;	**Safety Equipment Checks;**		**Environment;**
Dive Manager;	O2 kit;	[ ]	Weather Conditions;
Assistant DM;	First Aid Kit & Casualty Sheets;	[ ]	Water State;
	Defib / AED	[ ]	Water Currents;

RISKS; CONSIDER THE FOLLOWING RISKS SUBJECTS AND RECORD EITHER **L** (low) **M** (medium) OR **H** (high)

Slip Trips And Falls		Depth		Diving from RIB / hard boat risks	
Fit & Well? COVID19?		Diver Separation / low vis		Contact with other boats / water users	
Air / Gas blend-v-depth		Entanglements - Entrapment		Other Risks? Record on back if more space required	
Deco diving					

RISK PREVENTION MEASURES; (put in place to reduce the risk to an acceptable level).

Examples may be using torch, SMB/DSMB, knife, A.S, gas analysing, etc

PRE DIVE BRIEF: SEEDS - Exercise [ ] Equipment [ ] Discipline [ ] Signals [ ] Safety [ ]

Key points… **Fit & Well? [ ] Buddies [ ] Buddy Checks [ ] Max Dive time [ ] DSMB time [ ] A.S required? [ ]**

Training or Depth Progression Activity :

DIVE LOG : * If using gas other than AIR, a pre dive gas analysis should be performed & M.O.D recorded overleaf

← Pre Dive →									← Post Dive →		
Buddy Pair	Name	Grade	Cyl Size (ℓ)	DECO Stage * (ℓ)	Cyl **start** pressure	MAX Plan Depth	Plan Dive Time	**Approx.** Time In	Cyl **end** pressure	MAX Recorded Depth	Dive Time
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	
						m		:		m	

Post-dive Comments :

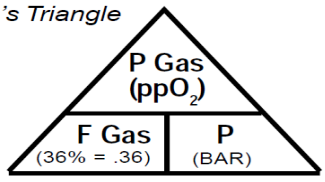
Head Count;

Assistant Dive Manager :	Dive Manager :

LUNESDALE SUB AQUA CLUB - ENRICHED GAS (NITROX) RECORDS

See Dive Log for full Details and Risk Assessments				
Name	**Travel (Bottom) Gas**		**Deco Gas**	
	O2 %	**MOD (1.4)**	O2 %	**MOD (1.6)**
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m
	%	m	%	m

Dalton's Triangle



P Gas = Partial Pressure of Oxygen
F Gas = Decimal value of % Oxygen in the mix
P = Absolute Pressure in bars

To use formula, cover the unkown component to be solved. The remaining two values show correct formula, (either multiply or divide). ie: ppO2 = P x F

O2%	MOD 1.4	MOD 1.6
21	56.7	66.2
22	53.6	62.7
24	48.3	56.7
26	43.8	51.5
28	40.0	47.1
30	36.7	43.3
32	33.8	40.0
34	31.2	37.1
36	28.9	34.4
38	26.8	32.1
40	25.0	30.0
42	23.3	28.1
44	21.8	26.4
46	20.4	24.8
48	19.2	23.3
50	18.0	22.0
55	15.5	19.1
60	13.3	16.7
65	11.5	14.6
70	10.0	12.9
75	8.7	11.3
80	7.5	10.0
85	6.5	8.8
90	5.6	7.8
95	4.7	6.8
100	4.0	6.0

ROUND UP ACTUAL ANALYSED O2 % TO NEXT O2% VALUE ON CHART.

MOD 1.6 ONLY FOR USE WITH DECO GAS UNDER ACCELERATED DECO PROCEDURES.

GPS Co-Ordinates	Latitude	Longitude
Bailiffs Wood, Coniston	54.325398	-3.078811
Brown Howe, Coniston	54.307715	-3.0918904
Wastwater, Pinnicles	54.438487	-3.307781
Hodge Close, Coniston	54.400997	-3.033364
Devils Bridge	54.198374	-2.590606

EMERGENCY NUMBERS
999