

Elapsed time cum. min.	Distance m	depth m	H2O press. atm.	H2O temp. ° C	Heart rate beats/min	lung vol. liters	blood O2 liters	muscle O2 liters	blood lactate mg%	muscle lactate mg%
0	0	0	1	20	60	1650	7000	1300	0	0
2	240	200	21	10	10	79	6885	1274	0	0
4	480	400	41	7	8	40	6770	1248	0	0
6	720	600	61	6	6	27	6655	1222	0	0
8	960	800	81	5	6	20	6540	1196	0	0
10	1200	1000	101	4.5	6	16	6425	1170	0	0
12	1440	1200	121	4	6	14	6310	1144	0	0
14	1680	1400	141	3.5	6	12	6195	1118	0	0
16	1920	1600	161	3	6	10	6080	1092	0	0
18	2160	1800	181	2.5	6	9	5965	1066	0	0
20	2400	2000	201	2	6	8	5850	1040	0	0
22	2640	2200	221	2	6	7	5735	1014	0	0
24	2880	2400	241	2	6	7	5620	988	0	0
26	3120	2600	261	2	6	6	5505	962	0	0
28	3360	2800	281	2	6	6	5390	936	0	0
30	3600	3000	301	2	6	5	5275	910	0	0
32	3840	3010	302	2	6	5	5160	884	0	0
34	4080	3000	301	2	6	5	5045	858	0	0
36	4320	3000	301	2	6	5	4930	832	0	0
38	4560	2990	300	2	6	6	4815	806	0	0
40	4800	3000	301	2	6	5	4700	780	0	0
42	5040	3000	301	2	6	5	4585	754	0	0
44	5280	3000	301	2	6	5	4470	728	0	0
46	5520	3000	301	2	6	5	4355	702	0	0
48	5760	3000	301	2	6	5	4240	676	0	0
50	6000	2990	300	2	6	6	4125	650	0	0
52	6240	3000	301	2	6	5	4010	624	0	0
54	6480	3000	301	2	6	5	3895	598	0	0
56	6720	3000	301	2	6	5	3780	572	0	0
58	6960	3005	301.5	2	6	5	3665	546	0	0
60	7200	3000	301	2	6	5	3550	520	0	0
62	7440	3000	301	2	6	5	3435	494	0	0
64	7680	3000	301	2	6	5	3320	468	0	0
66	7920	3005	301.5	2	6	5	3205	442	0	0

68	8160	3005	301.5	2	6	5	3090	416	0	1
70	8400	3000	301	2	6	5	2975	390	0	2
72	8640	3000	301	2	6	5	2860	364	0	3
74	8880	3000	301	2	6	5	2745	338	0	4
76	9120	3000	301	2	6	5	2630	312	0	5
78	9360	3000	301	2	6	5	2515	286	0	6
80	9600	3000	301	2	6	5	2400	260	0	7
82	9840	2995	300.5	2	6	5	2285	234	0	8
84	10080	3000	301	2	6	5	2170	208	0	10
86	10320	3000	301	2	6	5	2055	182	0	13
88	10560	3000	301	2	6	5	1940	156	0	16
90	10800	3000	301	2	6	5	1825	130	0	22
92	11040	2800	281	2	6	6	1710	104	0	26
94	11280	2600	261	2	6	6	1595	78	0	30
96	11520	2400	241	2	6	7	1480	52	1	35
98	11760	2200	221	2	6	7	1365	26	2	40
100	12000	2000	201	2	6	8	1250	0	3	50
102	12240	1800	181	2.5	6	9	1135	0	4	60
104	12480	1600	161	3	6	10	1020	0	5	70
106	12720	1400	141	3.5	6	12	905	0	6	80
108	12960	1200	121	4	6	14	790	0	7	90
110	13200	1000	101	4.5	6	16	675	0	8	100
112	13440	800	81	5	6	20	560	0	10	120
114	13680	600	61	6	6	27	445	0	13	130
116	13920	400	41	7	6	40	330	0	16	140
118	14160	200	21	10	6	79	215	0	22	150
120	14400	0	1	20	6	1650	100	0	26	160
122-post dive at surface (140 is anim end)					70			20	180	150

Fixed values:

location Subtropical central N. Pacific
body length 18 m
body mass 65000 kg
muscle mass 13000 kg=20% of body mass
blood volume 14000 L=21.5% of body mass

muscle O₂ content=100 ml/kg of muscle
V_{t@surface}=2.5% of body volume

