

RECONSTRUCTION OF THE MOVEMENT OF THE TROCAS LIFERAFT

Time	Wind		Duration		Wind driven current		Leeway		Boat		Current		Total lat chng		Total Long chng	
	Dirn (fm)	Speed (kts)	Dirn	Speed (hrs)	Dirn	Speed (Nm)	Lat chng (Nm)	Long chng (Nm)	Dirn	Distance	Lat chng (Nm)	Long chng (Nm)	Dirn	Speed	Lat chng (Nm)	Long chng (Nm)
27 Nov 0600			0		0	0.00	0.00	0.00	0	0	0.00	0.00	180	0.5	0.00	0.00
26 Nov 2300			0		0	0.00	0.00	0.00	0	0	0.00	0.00	180	0.5	0.00	0.00
1700			0		0	0.00	0.00	0.00	0	0	0.00	0.00	180	0.5	0.00	0.00
1100			0		0	0.00	0.00	0.00	0	0	0.00	0.00	180	0.5	0.00	0.00
25 Nov 0500	180	20	0		0	0.8	0.00	0.00	0	0	0.00	0.00	180	0.5	0.00	0.00
24 Nov 2300	180	20	0		0	0.8	0.00	0.00	0	0	0.00	0.00	180	0.5	0.00	0.00
1700	200	20	0		0	0.8	0.00	0.00	0	0	0.00	0.00	180	0.5	0.00	0.00
1100	190	20	4		4	0.8	-2.62	1.84	190	0	-3.94	-0.69	180	0.5	0.00	0.00
24 Nov 0500	160	20	6		6	0.8	-2.03	4.35	160	1	-5.64	2.05	180	0.5	-2.00	0.00
23 Nov 2300	190	25	6		6	1.45	-4.91	3.44	190	1.25	-7.39	-1.30	180	0.5	-3.00	0.00
1700	160	20	6		6	0.8	-2.03	4.35	160	1	-5.64	2.05	180	0.5	-3.00	0.00
1100	160	20	6		6	1.15	-2.03	4.35	160	1	-5.64	2.05	180	0.5	-3.00	0.00
23 Nov 0500	180	25	6		6	1.35	-4.24	4.24	180	1.25	-7.50	0.00	180	0.5	-3.00	0.00
22 Nov 2300	210	25	6		6	1.65	-5.80	1.55	210	1.25	-6.50	-3.75	180	0.5	-3.00	0.00
1700	230	25	6		6	1.85	-5.98	-0.52	230	1.25	-4.82	-5.75	180	0.5	-3.00	0.00
1100	210	20	6		6	1.65	-4.64	1.24	210	1	-5.20	-3.00	180	0.5	-3.00	0.00
22 Nov 0500	190	20	6		6	1.45	-3.93	2.75	190	1	-5.91	-1.04	180	0.5	-3.00	0.00
21 Nov 2300	230	20	6		6	1.85	-4.78	-0.42	230	1	-3.86	-4.60	180	0.5	-3.00	0.00
1700	190	20	6		6	1.45	-3.93	2.75	190	1	-5.91	-1.04	180	0.5	-3.00	0.00
1100	190	20	6		6	1.45	-3.93	2.75	190	1	-5.91	-1.04	180	0.5	-3.00	0.00
21 Nov 0500	180	20	6		6	1.35	-3.39	3.39	180	1	-6.00	0.00	180	0.5	-3.00	0.00
20 Nov 2300	170	15	6		6	1.25	-2.08	2.95	170	0.75	-4.43	0.78	180	0.5	-3.00	0.00
1700	160	15	6		6	1.15	-1.52	3.26	160	0.75	-4.23	1.54	180	0.5	-3.00	0.00
1100	160	10	6		6	1.15	-1.01	2.18	160	0.5	-2.82	1.03	180	0.5	-3.00	0.00
20 Nov 0500	150	10	6		6	1.05	-0.62	2.32	150	0.5	-2.60	1.50	180	0.5	-3.00	0.00
19 Nov 2300	150	15	6		6	1.05	-0.93	3.48	150	0.75	-3.90	2.25	180	0.5	-3.00	0.00
1800	150	15	5		5	1.05	-0.78	2.90	150	0.75	-3.25	1.88	180	0.5	-2.50	0.00
Total															-220.73	46.07

225.4895336

Wind is 3000ft wind at Geraldton (80%)

Direction of wind may be +/- 30 degrees

Wind strength +/- 5 kts

Leeway 3% (in a beam reach) of wind speed

Leeway 2% close hauled and on broad reach

Boat course information is course steered with no account for any variation or deviation

All environmental directions are directions from

-ve long = west

-ve lat = south

Grey colored cells indicate derived data