

Leeway Speed and Direction Values for Drift Objects (kts)

Category	Leeway		Target		Class		Leeway Speed		Divergence
	Sub Categories	Primary Leeway Descriptors	Secondary Leeway Descriptors		Multiplier	Modifier (kts)	Angle (deg)		
PIW	Vertical				0.011	0.07	30		
					0.005	0.07	18		
	Horizontal				0.012	0.00	18		
		Survival Suit			0.014	0.10	30		
		Scuba Suit			0.007	0.08	30		
Deceased				0.015	0.08	30			
Survival	Maritime	No Ballast			0.042	0.03	28		
			no canopy, no drogue		0.057	0.21	24		
		no canopy, w/ drogue		0.044	-0.20	28			
		Systems	canopy, no drogue		0.037	0.11	24		
			canopy, w/ drogue		0.030	0.00	28		
	Life Rafts	Shallow Ballast			0.029	0.00	22		
			no drogue		0.032	-0.02	22		
		Systems and Canopy	with drogue		0.025	0.01	22		
			Capsized		0.017	-0.10	8		
		Deep Ballast	(See Table 2A		0.030	0.02	13		
Systems & Canopies	for Levels 4-6)								
Other Maritime Survival Craft	life capsule			0.038	-0.08	22			
	USCG Sea Rescue Kit			0.025	-0.04	7			
Aviation Life Rafts	no ballast, w/canopy		4-6 person, w/o drogue	0.037	0.11	24			
	Evac/ Slide		46-person	0.028	-0.01	15			
Person-Powered Craft	Sea Kayak	W/ Person on aft deck		0.011	0.24	15			
	Surf board	w/ person		0.020	0.00	15			
	Windsurfer	w/ person and mast	& sail in water	0.023	0.10	12			
Sailing Vessels	Mono-hull	Full Keel	Deep Draft	0.030	0.00	48			
		Fin Keel	Shoal Draft	0.040	0.00	48			
Power Vessels	Skiffs	Flat Bottom	Boston whaler	0.034	0.04	22			
		V-hull	Std. Config.		0.030	0.08	15		
			Swamped		0.017	0.00	15		
	Sport Boats	Cuddy Cabin	Modified V-hull	0.069	-0.08	19			
	Sport Fisher	Center Console	Open cockpit	0.060	-0.09	22			
Power Vessels	Commercial			0.037	0.02	48			
		Sampans		0.040	0.00	48			
		Side-stern Trawler		0.042	0.00	48			
	Fishing Vessels	Longliners		0.037	0.00	48			
		Junk		0.027	0.10	48			
	Gill-netter	w/rear reel		0.040	0.01	33			
Coastal Freighter			0.028	0.00	48				
Boating Debris	F/V debris			0.020	0.00	10			
	Bait/wharf box holds a cubic meter of ice			0.013	0.27	31			
		lightly loaded		0.026	0.18	15			
		full loaded		0.016	0.16	33			
Misc. SAR Objects	Immigration Vessel	Cuban refugee raft	w/o sail	0.015	0.17	17			
			w/ sail	0.079	-0.17	33			
Sewage Floatables	Tampon Applicators			0.018	0.00	5			
Medical Waste	Vials & Syringes			0.028	0.00	10			

**Sub - Table 2A
Sub-table for Maritime Life Rafts with Deep Ballast Systems and Canopies (kts)**

Secondary Leeway Descriptors	Leeway		Target		Class		Leeway Speed		Divergence
	Capacity Modifier	Drogue Modifier	Loading Modifier		Multiplier	Modifier (kts)	Angle (deg)		
Maritime Life Rafts with Deep Ballast Systems and Canopies	4-6 person capacity	without drogue			0.029	0.04	15		
			light loading		0.038	-0.04	15		
		with drogue	heavy loading		0.036	-0.03	15		
			light loading		0.018	0.03	12		
	15-25 person capacity	w/o drogue	light loading		0.016	0.05	24		
			heavy loading		0.021	0.00	20		
		with drogue			0.036	-0.09	10		
			light loading		0.039	-0.06	9		
Capsized				0.031	-0.07	12.9			
Swamped				0.009	0.00	16.12			
				0.010	-0.04	11.8			

Sub Table 2 Leeway Speed & Divergence Table