

Category	label	Slope	Y-intercept (knots)	divergence_angle (deg)	Syx (knots)
PIW with PFD (Average)	PIW w/PFD Avg	0.0127	0.07	21	0.3
Vertical, PFD type II or III	Vertical, PFD type II or III	0.005	0.07	18	0.2
Sitting PFD type I	Sitting PFD type I	0.0121	0	13	0.02
PIW Survival Suit (face up)	PIW Survival Suit	0.0212	0.1	26	0.05
PIW without PFD	PIW w/o PFD	0.007	0.08	27	0.15
PIW Deceased	PIW Deceased	0.0231	0	12	0.15
Life Raft - No ballast, No canopy, No drogue	LR no Blst, no Cnpy, no Drg	0.057	0.21	24	0.25
Life Raft - No ballast, No canopy, W/ drogue	LR Drg, no Blst, no Cnpy	0.044	-0.2	28	0.1
Life Raft - No ballast, Canopy, No drogue	LR Cnpy, no Blst, no Drg	0.037	0.11	24	0.05
Life Raft - No ballast, Canopy, W/ drogue	LR Cnpy, Drg, no Blst	0.03	0	28	0.3
Life Raft - Shallow ballast, canopy, NO drogue	LR(4-14) Shallow, Cnpy, no Drg	0.032	-0.02	22	0.05
Life Raft - Shallow ballast, canopy, W/ drogue	LR (4-14) Shallow, Cnpy, Drg	0.025	0.01	22	0.1
Life Raft - Shallow ballast, canopy, Capsized	LR (4-14) Shallow, Cnpy, Capsized	0.017	-0.1	8	0.05
Life Raft - Shallow ballast, canopy, Navy Sub Escape (SEIE) 1-man raft, With Drogue	SEIE (1) Shallow, Drg	0.031	0	13	0.1
Life Raft - Shallow ballast, canopy, Navy Sub Escape (SEIE) 1-man raft, NO Drogue	SEIE (1) Shallow, no Drg	0.022	0	23	0.1
Life Raft - DEEP BALLAST SYSTEMS, CANOPY (Average)	LR Deep, Cnpy, Avg	0.03	0.02	13	0.15
Life Raft - Deep Ballast, Canopy, 4-14 MAN (Average)	LR(4-14) Deep, Cnpy	0.029	0.04	15	0.15
Life Raft - Deep Ballast, Canopy, 4-14 man, w/o drogue (Average)	LR(4-14) Deep, Cnpy, no Drg, Avg	0.038	-0.04	15	0.1
Life Raft - Deep Ballast, Canopy, 4-14 man, w/o drogue, light load	LR(4-14) Deep Light, Cnpy, no Drg	0.038	-0.04	15	0.1
Life Raft - Deep Ballast, Canopy, 4-14 man, w/o drogue, hvy load	LR(4-14) Deep Heavy, Cnpy, no Drg	0.036	-0.03	15	0.05
Life Raft - Deep Ballast, Canopy, 4-14 man, w/drogue (Average)	LR(4-14) Deep Cnpy, Drg Avg	0.018	0.03	12	0.05
Life Raft - Deep Ballast, Canopy, 4-14 man, w/drogue, light load	LR(4-14) Deep Light, Cnpy, Drg	0.016	0.05	24	0.1
Life Raft - Deep Ballast, Canopy, 4-14 man, w/drogue, hvy load	LR (4-14) Deep Heavy, Cnpy, Drg	0.021	0	20	0.05
Life Raft - Deep Ballast, Canopy, 15-50 MAN (Average)	LR(15-50) Deep Cnpy, Avg	0.036	-0.09	10	0.15
Life Raft - Deep Ballast, Canopy, 15-50 man, w/o drogue, light load	LR(15-50) Deep Light, Cnpy no Drg	0.039	-0.06	9	0.1
Life Raft - Deep Ballast, Canopy, 15-50 man, w/ drogue, hvy load	LR(15-50) Deep Heavy, Cnpy, Drg	0.031	-0.07	9	0.1
Life Raft - Deep Ballast System and Canopy - CAPSIZED	LR Deep Cnpy - Capsized	0.009	0	12	0.05
Life Raft - Deep Ballast System and Canopy - SWAMPED	LR Deep Cnpy - Swamped	0.01	-0.04	8	0.05
Survival Craft - SOLAS Hard Shell Life Capsule, 22 man	SOLAS Hard Shell Capsule	0.038	-0.08	22	0.03
Survival Craft - Ovatek Hard Shell Life Raft, 4 and 7 man, lightly load, no drogue	Ovatek LR (4-7) Light, no Drg	0.041	0	17	0.15
Survival Craft - Ovatek Hard Shell Life Raft, 4 man, lightly loaded, no drogue	Ovatek LR (4), Light, no Drg	0.039	0	7	0.05
Survival Craft - Ovatek Hard Shell Life Raft, 7 man, fully loaded, drogued	Ovatek LR (7 man), Heavy, Drg	0.014	0	9	0.05
Survival Craft - USCG Sea Rescue Kit - 3 ballasted life rafts and 300 meter of line	USCG Sea Rescue Kit	0.025	-0.04	7	0.1
Survival Craft - Aviation Life Raft, No Ballast, Canopy, 4-6 man, No Drogue	Aviation LR (4-6)	0.037	0.11	24	0.05
Survival Craft - Aviation Life Raft, Evacuation / Slide Raft 46-man	Aviation Evac Slide (46)	0.028	-0.01	15	0.1
Person-Powered Craft - Sea Kayak w/ person on aft deck	Sea Kayak	0.011	0.24	15	0.15
Person-Powered Craft - Surfboard w/ person	Surfboard	0.02	0	15	0.2
Person-Powered Craft - Windsurfer w/ person - mast & sail in water	Windsurfer/Sailboard	0.023	0.1	12	0.1
Skiff - modified-v, cathedral-hull, runabout outboard powerboat	Boston Whaler	0.034	0.04	22	0.05
Skiff - V-hull forward, round bottom aft (wooden Newfoundland)	Wooden Skiff	0.03	0.08	15	0.1
Swamped/Capsized Boat	Swamped/Capsized Boat	0.017	0	15	0.1
Sport Boats - Cuddy Cabin	Cuddy Cabin	0.069	-0.08	19	0.1
Sport Boats - Center Console	Center Console	0.06	-0.09	22	0.1
Commercial FISHING VESSELS (Average)	FV Avg	0.037	0.02	48	0.3
Sampan	Sampan	0.04	0	48	0.2
Side-Stern Trawler	Trawler	0.042	0	48	0.2
Long liner	Long Liner	0.037	0	48	0.2
Coastal Fishing Vessel	FV Coastal	0.027	0.1	48	0.1
Gill-Netter w/rear reel	Gill Netter	0.04	0.01	33	0.1

Coastal Freighter	Coastal Freighter	0.028	0	48	0.2
Boating Debris - F/V debris	Boating Debris	0.02	0	10	0.2
Bait/wharf Box holds 1 cubic meter of ice (Average)	Bait Box Avg	0.013	0.27	31	0.2
Bait/wharf Box - Lightly loaded	Bait Box Light	0.026	0.18	15	0.15
Bait/wharf Box - Heavily loaded	Bait Box Heavy	0.016	0.16	33	0.1
Immigration Vessel - Refugee raft w/o sail	Refugee Raft w/o Sail	0.015	0.17	17	0.1
Immigration Vessel - Refugee raft w/ sail	Refugee Raft w/Sail	0.079	-0.17	33	0.1
Sewage Floatables	Sewage	0.018	0	5	0.1
MEDICAL WASTE (Average)	Medical Waste Avg	0.028	0	10	0.3
Vials (Average)	Vials Avg	0.037	0	10	0.3
Vials - Large	Vials Large	0.044	0	10	0.1
Vials - Small	Vials Small	0.03	0	10	0.15
Syringes (Average)	Syringes Avg	0.018	0	5	0.3
Syringes - Large	Syringes Large	0.018	0	5	0.15
Syringes - Small	Syringes Small	0.018	0	5	0.05
PIW without PFD (Average)	PIW w/o PFD Avg	0.015	0.07	16	0.3
Life Raft - SHALLOW BALLAST SYSTEMS, CANOPY, 4-14 MAN (Average)	LR(4-14) Shallow, Cnpy, Avg	0.029	0	22	0.3
SLDMB	SLDMB	0	0	0	0
Person-Powered Craft - Outrigger Canoe	Outrigger Canoe	0.024	0	10	0.1
Survival Craft - Ovatek Hard Shell Life Raft, 7 man, lightly loaded, no-drogue	Ovatek LR (7), Light, no Drg	0.042	0	21	0.2
Survival Craft - Ovatek Hard Shell Life Raft, 4&7-man, fully loaded, drogued	Ovatek LR (4-7) Heavy, Drg	0.014	0	8	0.05
Survival Craft - Ovatek Hard Shell Life Raft, 4 man, fully loaded, drogued	Ovatek LR (4) Heavy, Drg	0.014	0	7	0.05
Sailboat Mono-hull (Dismasted, Average)	SV Dismasted Avg	0.042	0	27	0.5
Sailboat Mono-hull (Dismasted - rudder amidships)	SV Dismasted Rudder Amidships	0.075	0	33	0.25
Sailboat Mono-hull (Dismasted - rudder missing)	SV Dismasted No Rudder	0.026	0	18	0.05
Sailboat Mono-hull (Bare-masted, Average)	SV Bare Mast Avg	0.084	0	49	0.5
Sailboat Mono-hull (Bare-masted, rudder amidships)	SV Bare Mast Rudder Amidships	0.103	0	48	0.45
Sailboat Mono-hull (Bare-masted, rudder hove-to)	SV Bare Mast Rudder Hove-to	0.048	0	52	0.3
Sunfish sailing dingy (Bare-masted, rudder missing)	Sunfish	0.023	0	13	0.1
Skiff - v-hull bow to stern (aluminum, Norway)	Aluminum Skiff	0.04	0	10	0.15
Personal Water Craft 2-person sit on top	PWC	0.042	0	9	0.1
Panga 1-POB loading	Panga 1-POB	0.06	0	15	0.3
Panga 2-POB loading	Panga 2-POB	0.057	0	14	0.3
Panga 3-POB loading	Panga 3-POB	0.054	0	13	0.3
Panga 4-POB loading	Panga 4-POB	0.051	0	13	0.3
Panga 5-POB loading	Panga 5-POB	0.048	0	12	0.3
Panga 6-POB loading	Panga 6-POB	0.045	0	12	0.3
Panga 7-POB loading	Panga 7-POB	0.042	0	11	0.3
Panga 8-POB loading	Panga 8-POB	0.039	0	11	0.3
Panga 9-POB loading	Panga 9-POB	0.036	0	10	0.3
Panga 10-POB loading	Panga 10-POB	0.033	0	9	0.3
Panga 11-POB loading	Panga 11-POB	0.03	0	9	0.3
Panga 12-POB loading	Panga 12-POB	0.027	0	8	0.3
Bale of Cocaine	Bale	0.018	0	39	0.2
55-gallon Oil Drum	55 Gallon Drum	0.014	0	39	0.1
40-ft Shipping Container (70% submerged)	40 FT Container	0.02	0	1	0.1
WWII L-MK2 mine	WWII Mine	0.018	0	19	0.2
Navy Submarine EPIRB (SEPIRB)	EPIRB	0.006	0	72	0.15
20-ft Shipping Container (80% submerged)	20 FT Container	0.0183	0	11	0.1
User-Defined Search Object	User Def	0	0	0	0

Person-Powered Craft - Open Canoe w/2 POB	Open Canoe 2-POB	0.0968	0	20	0.15
Person-Powered Craft - Empty Open Canoe	Open Canoe Empty	0.1471	0	11	0.25
Person-Powered Craft - Sit-On-Top Kayak w/1 POB	Sit-On-Top Kayak 1-POB	0.0424	0	14	0.1
Person-Powered Craft - Empty Sit-On-Top Kayak	Sit-On-Top Kayak Empty	0.0473	0	9	0.2
Person-Powered Craft - Stand-Up-Paddleboard w/1 POB	SUP 1-POB	0.0275	0	20	0.1
Person-Powered Craft - Empty Stand-Up-Paddleboard	SUP Empty	0.049	0	11	0.25