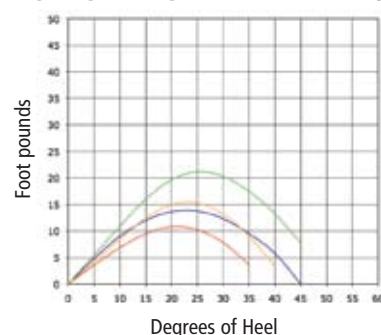


## Etain by Valley Sea Kayaks

Tech Specs				
Paddler Weight	150 lbs.	200 lbs.	150 lbs.	200 lbs.
Cargo weight	none	none	100 lbs.	100 lbs.
Waterline length	14.62	14.85	15.03	15.21
Waterline beam	1.75	1.77	1.79	1.80
Draft	0.35	0.40	0.45	0.50
Prismatic coefficient	0.52	0.53	0.64	0.54
Block coefficient	0.37	0.39	0.40	0.41
Wetted surface in sq. ft.	18.68	20.36	21.90	23.37
Pounds to immerse one inch	83.63	87.50	90.43	92.66
Effective waterline length			14.98	
Volume, cu. ft.			13.97	
Center of buoyancy, % of length from bow			54.15	
Metric Equivalents				
Paddler Weight	68.04 kg	90.72 kg	68.04 kg	90.72 kg
Cargo weight	none	none	45.46 kg	45.46 kg
Waterline length	4.46	4.53	4.58	4.63
Waterline beam	0.53	0.54	0.54	0.55
Draft	0.11	0.12	0.14	0.15
Prismatic coefficient	0.52	0.53	0.64	0.54
Block coefficient	0.37	0.39	0.40	0.41
Wetted surface in sq. meters	1.74	1.89	2.03	2.17
Kgs to immerse 2.54 cm	37.93	39.69	41.02	42.03
Effective waterline length			4.57	
Volume in liters			395.50	

Righting/Heeling Moments (Fixed-weight)



Stability Curves\*

- 150 lb. paddler, no cargo
- 200 lb. paddler, no cargo (all values negative)
- 150 lb. paddler, 100 lb. cargo
- 200 lb. paddler, 100 lb. cargo

\*Formula revised December 2009. (not comparable with stability graphs generated prior to December 2009.)

Measurements	
Length overall in decimal ft.	17.54
Beam in inches	21.75
Volume in cu. ft.	13.97
Cockpit width in inches	15.75
Cockpit length in inches	30.38
Coaming height forward, inches	12.00
Coaming height aft, inches	8.50
Height of seat in inches	1.00
Weight in pounds	61.50
Metric Equivalents	
Length overall in meters	5.35
Beam in Centimeters	55.25
Volume in liters	395.50
Cockpit width, cm	40.01
Cockpit length, cm	77.15
Coaming height forward, cm	30.48
Coaming height aft, cm	21.59
Height of seat, cm	2.54
Weight in kg	27.90