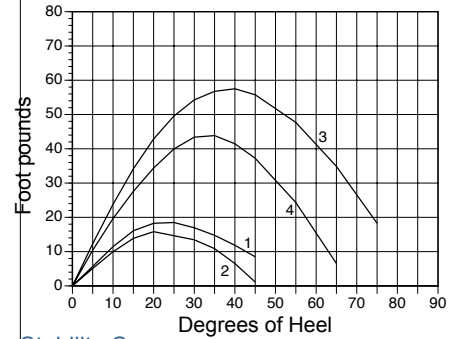


# Puffin Swift

by Pakboats

Righting/Heeling Moments (Fixed-weight)



Stability Curves

1. 150 lb. paddler, no cargo
2. 200 lb. paddler, no cargo
3. 150 lb. paddler, 100 lb. cargo
4. 200 lb. paddler, 100 lb. cargo

|  |          |          |          |          |
|--|----------|----------|----------|----------|
| Paddler Weight                           | 150 lbs  | 200 lbs  | 150 lbs  | 200 lbs  |
| Cargo weight                             | none     | none     | 100 lbs  | 100 lbs  |
| Waterline length                         | 13.27    | 13.44    | 13.56    | 13.64    |
| Waterline beam                           | 1.88     | 1.94     | 1.99     | 2.03     |
| Draft                                    | 0.33     | 0.38     | 0.43     | 0.47     |
| Prismatic coefficient                    | 0.50     | 0.52     | 0.53     | 0.54     |
| Block coefficient                        | 0.34     | 0.36     | 0.38     | 0.39     |
| Wetted surface in sq.ft.                 | 17.50    | 19.14    | 20.63    | 21.99    |
| Pounds to immerse one inch               | 81.84    | 86.83    | 90.76    | 93.61    |
| Effective waterline length               |          |          | 13.56    |          |
| Volume, cu.ft.                           |          |          | 4.41     |          |
| Center of buoyancy, % of length from bow |          |          | 51.17    |          |
| <b>Metric equivalents</b>                |          |          |          |          |
| 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                         | 4.04     | 4.01     | 4.13     | 4.16     |
| Waterline beam                           | 0.57     | 0.59     | 0.61     | 0.62     |
| Draft                                    | 0.10     | 0.12     | 0.13     | 0.14     |
| Prismatic coefficient                    | 0.50     | 0.52     | 0.53     | 0.54     |
| Block coefficient                        | 0.34     | 0.36     | 0.38     | 0.39     |
| Wetted surface in sq.meters              | 1.63     | 1.78     | 1.92     | 2.04     |
| Kgs to immerse 2.54 cm                   | 37.12    | 39.39    | 41.17    | 42.46    |
| Effective waterline length               |          |          | 4.13     |          |
| Volume cubic meters                      |          |          | 0.12     |          |

| <b>Measurements</b>            |       |
|--------------------------------|-------|
| Length overall in decimal ft   | 14.14 |
| Beam in inches                 | 24.75 |
| Volume in cu.ft.               | 14.87 |
| Cockpit width in inches        | 16.00 |
| Cockpit length in inches       | 26.50 |
| Coaming height forward, inches | 11.25 |
| Coaming height aft, inches     | 10.75 |
| Height of seat in inches       | 1.88  |
| Weight in pounds               | 32.25 |
| <b>Metric Equivalents</b>      |       |
| Length overall in meters       | 4.31  |
| Beam in meters                 | 0.63  |
| Volume in kiloliters           | 0.42  |
| Cockpit width, cm              | 40.64 |
| Cockpit length, cm             | 67.31 |
| Coaming height forward, cm     | 28.58 |
| Coaming height aft, cm         | 27.31 |
| Height of seat, cm             | 4.76  |
| Weight in kg                   | 14.63 |