

getonthewater.ca



OTTO VALLINGA YACHT DESIGN

Designers & Builders
of Smallcraft

Custom & Semi- Custom Designs

Stock Plans & Kits

About Us

Our focus is on helping you get on the water, we do this in a number of ways, first through the sale of our line of stock plans and kits aimed at guiding you through the process of building your own boat. Second; we can provide you with plans or a kit based on an existing design that has been modified to suit your needs, this option has been exercised by a number of our builders, in one case this resulted in the addition of a new model to our line of boats. Your next option is to commission a custom design, and possibly a kit developed from that design. Custom and semi custom designs and kits come with some increase in cost, least expensive is to modify an existing design, this requires altering the design and CNC code, custom work that requires a kit and building notes is the most expensive of the options, there is a number of combinations of these possibilities; we would be happy to discuss your options. Finally there is the option of having either a custom or stock design built for you, alongside this is the opportunity to purchase a boat already built out of our current inventory. .

Visit our website getonthewater.ca, questions can be sent to us via email getonthewater@sympatico.ca. Our kits are cut by Noahs Marine and many of them are available directly from them through their website noahsmarine.com.

Kayaks

The first portion of this booklet contains information on our line of kayaks, many of these boats have been designed to make use of the stitch & glue method of building. Construction of the decks varies from model to model, many have plywood decks, some have cedar strip decks. Hull type varies from series to series, some having single chine hulls, others multichine, to illustrate the differences between them a couple of the series have semi-transparent renderings to highlight the differences, caused by the number of panels used to form them. Building boats with multi chine hulls takes a little longer than a single chine hull, with a scratch built boat being more affected by this than a kit boat.

There is a variety of options for builders, ranging from purchasing plans or a kit, to having one of our current models built for you, to ordering a custom or semi-custom model built for you. Naturally these last options are more expensive and require more lead time.

Last year we introduced first fully striped kayak design, the Pukaskwa 15, over the last few months we have been working on increasing the number of boats in this range with the design of both 13 and 17 foot models. In addition to this we have been working on some more sporty designs. While having plans ready for boats other than the 15 is in our future plans right now we would be happy to build one of these for you.



Pukaskwa 15

LOA 14' 1 3/4" 4.56m

Beam @ deck 22.9" 58cm.

Beam @ wl 22.25" 56.6cm.

Cockpit Depth 11" 28cm.

Recommended Capacity 180 lbs. 82kg

Max. Rated Capacity 240 lbs. 109 kg.

Weight 31 lbs. 14 kg.



This booklet begins with our individual kayak designs, then covers kayaks designed as part of a series, following this you will find canoes, paddleboards our sailing dingy and information on our cyber boats, those that at this point exist only in the computer. This last category includes boats of a number of different types some designs are near completion and others which are just waiting for the right person to be made a reality, is that person you?

Smallwaters 8



Length 8 ft. 2.39 m
Beam 21.5 in. 54.7 cm
Weight 16 lbs. 7.5 kg.
Capacity 90 lbs. 40 kg.
PPI** 42 lbs. 19 kg.

Intended for children, this boat is constructed from one sheet of 3mm plywood. Plan set includes full size patterns, the boat has watertight flotation compartments both in the bow and the stern.

Little Lake 10



Length 10 ft. 3.05 m
Beam 22.5 in. 57.2 cm
Weight 28.5 lbs. 13 kg.

Recommended Load Range 100 to 150 lbs. 45 to 67 kg.
Max. Capacity 220lbs. 100 kg.*
Cockpit Depth 10.125 in. 25.4 cm
PPI** 58 lbs. 26kg.

Both boats shown have single chined hulls.

Steel River 12



A multi chine boat designed with fishing in mind, with an open cockpit, storage in the aft part of the boat and watertight compartments fore and aft to ensure flotation in case of swamping.

Length 12 ft. 3.66 m

Beam 31 in. 79 cm.

Weight 40 lbs. 18 kg.

Recommended Load Range 190 to 270 lbs. 86 to 123 kg.

Max. Capacity* 280 lbs. 127 kg.

PPI** 95 lbs. 43kg.

Massasauga 12



This boat is a hybrid design, with a single chine hull

Length 12 ft. 10 in. 3.925 m

Beam 25 in. 63.5 cm

Weight 38 lbs. 17.2 kg.

Recommended Load Range 130 to 180 lbs 60 to 82 kg.

Max. Capacity* 240 lbs. 109 kg.

Cockpit Depth 11 in. 28cm.

PPI** 72 lbs. 33kg.

**Max. Capacity calculated using the ABYC method, these are methods that are cited in the Canadian regulations as well, this is the maximum weight the boat should carry. The recommended capacity is the loading at which we feel the boat will operate at or close to its best and is in most cases a displacement that spans the waterline around which the hull was originally drawn.*

*** PPI this is the pounds per inch immersion, the weight it takes to sink the boat 1 inch [25mm] deeper in the water this number is included as it gives a good indication of the effects of loading on your boat.*

Aulavik 11



Length 11 ft. 3.35m

Beam 23 in. 58.5 cm

Weight 23 lbs. 10 kg.

Recommended Load Range 90 to 130 lbs. 41 to 59 kg.

Max Capacity* 155 lbs. 70 kg.

Cockpit Depth 10.625 in. 27 cm.

PPI** 57 lbs. 26 kg.

These boats are hybrids, having single chine stitch & glue hulls coupled with cedar strip decks, allowing more shape in the deck without the hassle of having to torture plywood to force it into shape with the possibility of it splitting. It also adds a lot of curb appeal and can be made as simple or as fancy as you want it to be.

Aulavik is both the name of a national park located in the Northwest Territories of Canada and a Inuvialuktun word meaning 'place where people travel'

NOTE: The weights given for all boats is likely to vary from that cited in this brochure, wood weights vary, as do building techniques, as such the weights given should be treated as a best estimate, your boat may be either heavier or lighter.

Aulavik 18



Length 18 ft. 8 in. 5.69 m

Beam 23.75 in. 60 cm.

Weight 52 lbs. 23.5 kg.

Recommended Load Range 170 to 250 lbs. 77 to 113 kg.

Max. Capacity* 280 lbs. 127 kg.

Cockpit Depth 12.4" 31.5 cm.

PPI** 99 lbs. 45 kg.

Sport Series

This group of boats has multi-chine hulls and can be built using all plywood stitch and glue construction with hulls made of 4mm plywood, decks made of 3mm plywood, or they may be constructed as hybrids employing a cedar strip deck, the 15 and the 17 are the most popular boats of this series.

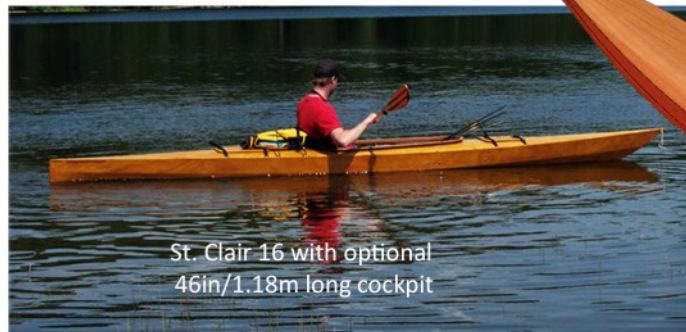


As can be seen above the 20 is a double

| Length | Beam | Weight | Recommended Load Range | Maximum Capacity* | Cockpit Depth | PPI** |
|-------------|--------------|---------------|------------------------|-------------------|---------------|---------------|
| <i>Ft/m</i> | <i>In/cm</i> | <i>Lbs/kg</i> | <i>Lb/kg</i> | <i>Lb/kg</i> | <i>In/cm</i> | <i>Lbs/kg</i> |
| 13/3.96 | 22/56 | 32/14.5 | 100 to 160/45 to 72 | 190/86 | 10/25.4 | 65/30 |
| 15/4.28 | 22/56 | 35/16.3 | 130 to 190/60 to 86 | 235/107 | 10.25/26 | 79/36 |
| 17/5.18 | 23/58.4 | 40/18 | 150 to 230/68 to 105 | 315/143 | 11/28 | 94/43 |
| 17/5.18 | 25/63.5 | 42/19 | 160 to 250/72 to 114 | 365/166 | 11.5/29 | 102/46 |
| 20/5.8 | 26/66 | 65/29.5 | 350 to 420/159 to 188 | 775/351 | 12/30 | 125/57 |

St. Clair Series

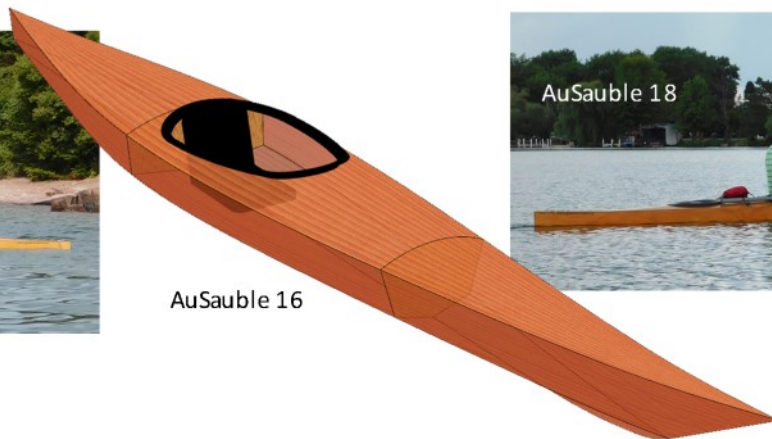
This series consists of stable, multi-chine hulled boats with wider hulls to suit larger paddlers, the 15'7" version is available with a larger cockpit, for paddlers who want more room for fishing, are not as nimble as they once were, or other on water activities where you desire a boat with easier ingress and egress. These boats have both a plywood hull and deck.



| Length | Beam | Weight | Recommended Load Range | Maximum Capacity** | Cockpit Depth | PPI* |
|-----------------|--------------|---------------|------------------------|--------------------|---------------|----------------|
| <i>ft/m</i> | <i>In/cm</i> | <i>Lbs/kg</i> | <i>Lbs/kg</i> | <i>Lbs/kg</i> | <i>In/cm</i> | <i>Lbs/kg.</i> |
| 15ft. 7in/4.75m | 25.75/65 | 44/20 | 220 to 280/100 to 127 | 515/234 | 11.5/25 | 100/45 |
| 18ft/5.49m | 24.75/63 | 46/21 | 220 to 280/100 to 127 | 505/229 | 11.5/25 | 106/48 |
| 19ft/5.8m | 30/76 | 63/29 | 250 to 450/113 to 205 | 845/383 | 13/33 | 140/64 |

AuSauble Series

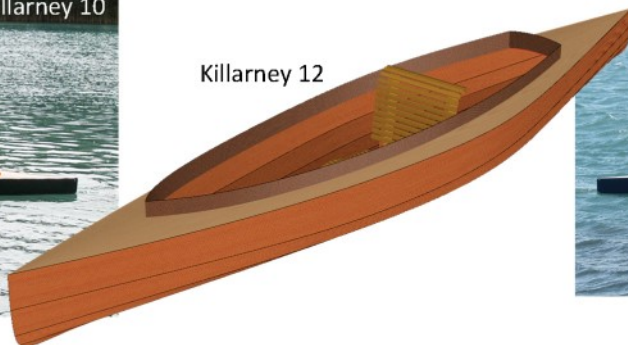
This series of boats was designed with a single chine hull and a deck with minimal camber to make them a relatively easy to build boat. They are additionally a fun group of easily paddled boats.



| Length | Beam | Weight | Recommended Load Range | Maximum Capacity** | Cockpit Depth | PPI* |
|-------------|--------------|---------------|------------------------|--------------------|---------------|----------------|
| <i>ft/m</i> | <i>In/cm</i> | <i>Lbs/kg</i> | <i>Lbs/kg</i> | <i>Lbs/kg</i> | <i>In/cm</i> | <i>Lbs/kg.</i> |
| 14/3.96 | 22/56 | 37/17 | 120 to 170/54 to 77 | 220/100 | 10/25 | 70/42 |
| 16/4.8 | 23/58 | 45/20 | 150 to 220/68 to 100 | 320/145 | 11/28 | 88/40 |
| 18ft/5.49m | 23.5/60 | 52/24 | 240 to 315/109 to 142 | 465/211 | 11.5/29 | 100/45 |

Killarney Series

This series is designed with tripping in mind, propelled by a kayak paddle, with enough cockpit room to allow you to load your gear in a backpack, no need to stuff your gear through tiny hatches as you would with a conventional kayak design. The concept was to design a series of boats that has more of the performance of a kayak combined with the ability to be packed like a canoe. There is the option of installing a movable seat in the two larger boats, allowing you to adjust the boats balance depending on loading and of building a seat having the back and seat of one piece made in wood as shown in the rendering.



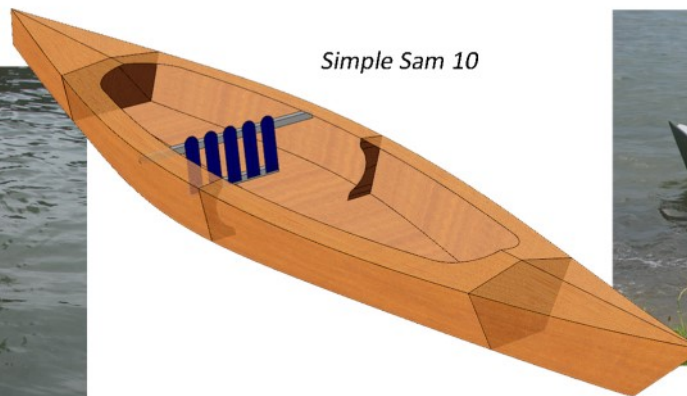
| Length | Beam | Weight | Recommended Load Range | Maximum Capacity** | Cockpit Depth | PPI* |
|---------------|--------------|---------------|-------------------------------|---------------------------|----------------------|----------------|
| <i>ft/m</i> | <i>In/cm</i> | <i>Lbs/kg</i> | <i>Lbs/kg</i> | <i>Lbs/kg</i> | <i>In/cm</i> | <i>Lbs/kg.</i> |
| 10/3.05 | 26/66 | 34/15.4 | 120 to 175/54 to 80 | 195/88 | NA | 65/30 |
| 12/3.66 | 26.5/67 | 40/18 | 180 to 240/82 to 108 | 270/122 | NA | 80/36 |
| 14/4.27 | 27/69 | 46/21 | 200 to 290/90 to 132 | 335/152 | NA | 92/42 |

Simple Series

These boats have been designed to be both simple and inexpensive to build, the plans focus on building using lumber from your local lumber yard, this greatly reduces the cost, as well as inexpensive resins to seal and protect the wood surfaces. The boats are flat bottomed and have compartments fore and aft for flotation or in the larger boats storage. The use of less expensive materials in the construction naturally has an effect on the boats longevity, but for some the effect on their wallet is more important than the boats lifespan.



Simple Simon 8



Simple Sam 10



Simple Simone 12

| Length | Beam | Weight | Recommended | Maximum | Cockpit | PPI* |
|---------------|--------------|---------------|---------------------|---------------|--------------|----------------|
| <i>ft/m</i> | <i>In/cm</i> | <i>Lbs/kg</i> | <i>Lbs/kg</i> | <i>Lbs/kg</i> | <i>In/cm</i> | <i>Lbs/kg.</i> |
| 7' 8.25"/2.34 | 21/53 | | 40 to 85/18 to 39 | 88/40 | NA | 42/19 |
| 10' 2"/3.1 | 24.5/62 | | 70 to 120/32 to 54 | 125/57 | NA | 57/26 |
| 12'9"/3.88 | 24/61 | | 120 to 180/54 to 82 | 200/91 | NA | 70/32 |

Full size patterns are available for these boats.

New Strip Kayak Designs

Over the past winter we have been working on new cedar strip kayak designs, the first of which are designed to fill out the Pukaskwa series. The others are the result of conversations at shows and online, these are more performance oriented and sized based on the type of boats being used in different areas by paddlers for 'recreational' distance races.



Pukaskwa 13
Length 13'2" 4.01m.
Beam 23" 58cm.
Cockpit Depth 10.5' 26.7cm.
Recommended Capacity
120 to 160 lbs./ 54 to 73 kg.



Pukaskwa 17
Length 17' 5.18m.
Beam 24.5" 62.2 cm.
Cockpit Depth 11" 28cm.
Recommended Capacity
150 to 280 lbs./ 68 to 127 kg.



NA 18
Length 18' 5.49m.
Beam 22" 55.9cm.
Cockpit Depth 11" 28cm.
Recommended Capacity
150 to 290 lbs. / 68 to 132 kg.



M6
Length 19' 8" 6m
Beam 21.5" 54.5cm.
Cockpit Depth 11.25" 28.6cm.
Recommended Capacity
150 to 290 lbs./ 68 to 132 kg.



Canoes

Our canoes are constructed using the cedar strip plank method and are intended to be sheathed with fiberglass cloth inside and out. The weight of cloth you choose to sheath the boat with can be varied to save some weight, or if you are willing to carry a little extra weight in return for added toughness.

Our line of canoes at the moment consists of the Touring model and three solo canoes that form the Vuntut line, plans are available for these four and we have just finished at this writing a fifth canoe, the boat displayed in the rendering on the following page.

In addition to these, there is a more sporty design we refer to as the Muskogan 18 which has been designed but not yet built. This boat has been designed around the rules governing races such as the Muskoka River X.

As with the kayaks the canoes can be built either by yourself from plans or you can order a boat from us, delivery timing dependant on available shop time.

Muskogan 18



Length 18 ft. 4 in. 5.6m.

Beam 33 in. 84 cm.

Displacement @ 4in. 475 lbs. 215 kg.

Maximum Capacity 750 lbs. 340 kg.

PPI 155 in. 70kg.

Height at Bow 17.25 in. 44 cm.

Mid 12.75 in. 32 cm.

Stern 16.25 in. 41 cm.

Vuntut Solo Canoes

These cedar strip solo canoes have been designed to be propelled with a kayak paddle, giving increased directional stability, helping fight the tendency of all short boats to spin around the force of each paddle stroke. Being small and light helps make them easily portable, a boat that can live up to its name, which means 'among the lakes'.



Length 10 ft. 3.05m
Beam 24in. 61cm
Weight* 26lbs. 12 kg.
Displacement @ 2in. [50mm] 68lbs. 31kg
Displacement @ 3in. [75mm] 124lbs. 56kg.
Recommended Max. Capacity 140lbs. 64kg.
Height a@: Bow 12.9in. 33cm
Mid 10.1in. 26cm
Stern 12in. 31cm



Length 12ft. 3.66m
Beam 25in. 64cm
Weight* 34.5lbs. 15.6kg.
Displacement @2 in. [50mm] 95lbs. 43kg.
Displacement@3in. [75mm] 163lbs. 74kg.
Displacement@4in. [100mm] 237lbs. 108kg.
Max. Recommended Capacity 260 lbs. 118kg.
Height @ Bow 15.5in. 39cm
Mid 11in. 28cm.
Stern 14.375in. 37cm



Length 14ft. 4.26m
Beam 29in. 73cm
Beam at Sheer 27.4in. 70cm
Weight* 39lbs. 18kg.
Displacement @2in.[50mm] 109 lbs 49kg.
Displacement @3in. [75mm] 193lbs. 87kg.
Displacement @4in. [100mm] 284lbs. 129kg.
Max. Recommended Capacity 415lbs. 188kg.
Hull Depth @ Bow 18 in. 45cm
Mid 12.5in. 32cm
Stern 17in. 42cm.

* Weight will vary from boat to boat depending on materials and build.

Designs Copyright Otto Vallinga Yacht Design

Touring 15.7



Length 15.7 ft. 4.79 m

Beam 33 in. 84 cm.

Weight 60lbs. 27 kg.

Displacement @ 4 in.[100mm] 450 lbs. 205 kg.

Displacement @ 5 in.[125mm] 580 lbs. 263 kg.

Displacement @ 6" [150mm] 721 lbs. 327 kg.

Maximum Capacity 860 lbs. 390 kg.

Hull Depth @ Bow 18.5 in. 47 cm.

Mid 14.5 in. 36 cm

Aft 17.4 in. 44 cm.

One of the great things about building with strips is that it allows great flexibility in the shape of the hull, another of its great features is the degree of customization it allows. By using a variety of woods glued together or inlays your ability to build a boat that is uniquely yours is truly amazing.

Tay 15



Hull number one has been completed, though plans will not be available until sometime next year, we are taking orders for finished boats, book your build today.



Length 15 ft. 4.57 m.

Beam 35 in. 89 cm.

Weight 51 lbs. 23 kg.

Displacement @ 3in.[75mm] 268 lbs. 122 kg.

Displacement @ 4 in [100mm] 400 lbs. 181 kg.

Displacement @ 5" [125mm] 527 lbs. 240 kg.

Maximum Capacity 665 lbs. 302 kg.

Hull Depth Fwd 19.5 in. 49.5 cm.

Mid 13.25 in. 43.5 cm.

Aft 18.25 in. 46.4 cm.

Paddleboards



Northern Light 10.5

Length 10 ft. 6 in. 3.2m

Width 30 in. 76 cm.

Board Depth 5.5" 14 cm.

Capacity Range 120 to 160 lbs. 54 to 72kg.

Weight* 32 pounds

Both paddleboards are constructed using what we refer to as the eggcrate method, the structure is assembled like an eggcrate then the hull is wrapped around it.

These are available only as kits, this is due to the precision required when cutting the individual parts to ensure that they all accurately fit together when the boat is assembled.



Northern Light 12.5

Length 12 ft. 6 in. 3.8m.

Width 32 in. 81 cm.

Board Depth 6 in. 15 cm.

Capacity Range 160 to 200 lbs. 72 to 91 kg.

Weight* 39 lbs. 18 kg.

There is a 14.5 in the design stage as well, that I intended to build for myself but the opportunity has not yet arisen, a kit can be put together for interested parties. Length 14ft 6 in./4.42m., Width 30 in./ 76 cm., Depth of hull 8.5 in./ 21.6cm.

Capacity range 200 to 300 lbs./ 91 to 136 kg.

* As with all the other boats in this booklet, weight will vary with the builder and materials

Sail



Rondane 8

Length 7 ft. 8 in. 2.35m

Beam 49 in. 1.24m.

Design Displacement 325 lbs. 147 kg.

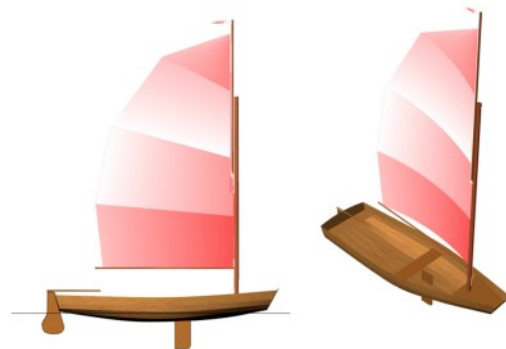
Draft 5 in. 12.8 cm.

Draft CB 25 in. 64 cm.

Sail Area 35 sq. ft. 3.25 sq. m.



The Rondane 8 is the one of our sailing/rowing designs that has been brought to completion. Other designs such as the daysailer and the trimaran are close to completion and simply need a buyer or two for the plans, or a single buyer for a complete boat. the 12 ft. pram on this page and the skiff on the next page were sketched in answer to inquiries, they were not built but design work on either one could be completed in about a week if you are interested in either.



This sailing pram is a larger version of the boat seen on the left side of the page, drawn for a gentleman who was looking for a boat for his grandsons, he unfortunately did not pursue it to completion. The preliminary work is done and we would love the opportunity to complete the design.

Length 12 ft. 3.66m

Beam 3 ft.11 in. 1.16m

Sail Area 75 sq. ft. 6.97m.

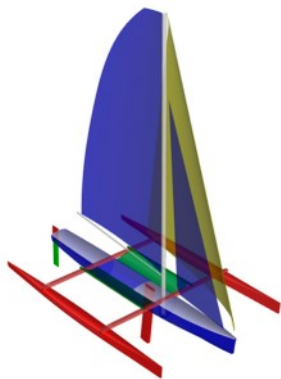
Designed Displacement 500 lbs. 226kg.

Draft 5 3/4 in. 14.6 cm.

PPI 147 lbs. 67 kg.

Cyber Sailers

The boats here and following are in various stages of the design spiral but to this point only exist in the computer, some are basically sketches, others are nearly ready to go. In the case of the 16 foot day sailer it had reached the point where we had costed out the CNC cutting, before the builder lost interest. Others such as the little trimaran and the trailer sailer designs are boats I would like, but time has not allowed them to be pursued to completion.



Length 18 ft. 5.49 m.
Beam 11.8 ft. 3.61m
Designed Displacement 700 lbs. 318 kg.
Sail Area Main& jib 154 ft.sq. 14.3 sq.m.
Reacher 105 ft.sq. 9.75 sq.m.

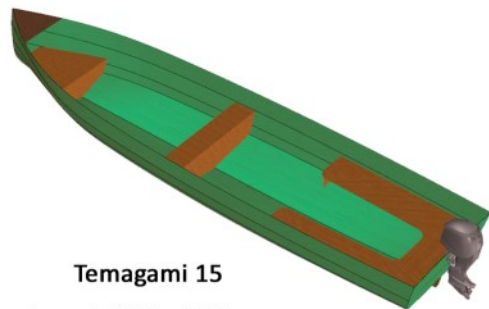


Shore Bird
Length 24 ft. 7.3 m.
Length w/sprit 28.75 ft. 8.76 m.
Beam 8 ft. 2.44m
Displacement 4,000 lbs. 1815kg.



Length 16 ft. 4.88 m.
LWL 15 ft. 9 in. 4.8 m.
Beam 5 ft. 1.75 m.
Sail Area 144 ft. sq.13.4 m sq.
Displacement 620 lbs. 280 kg.

Power

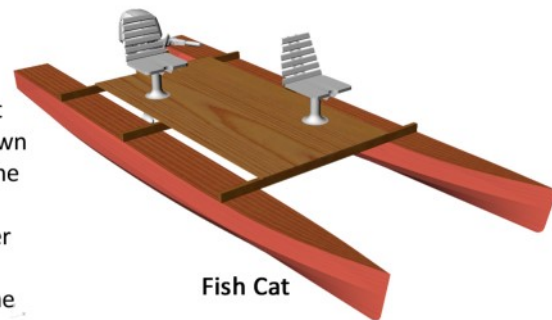


Temagami 15

Length 15 ft. 4.57 m.
Beam 3 ft. 8in. 1.11 m.
Capacity 700 lbs. 317 kg.



Presented here is a variety of powered craft drawn over the years, the Temagami was drawn for a friend who liked to fish that region of the province. The cats have been drawn in response to the fact that some of the newer model fishing kayaks are losing the portability and agility that kayaks have as one of their purposes. Rather than sitting in a heavy, plastic sit on top kayak with water slopping about in it, why not a more stable, drier, faster platform that will require a similar small trailer. The runabout featured was drawn simply for the fun of drawing a boat in that style. As with any boat and in particular those that do not have the design work completed specifications are subject to change.



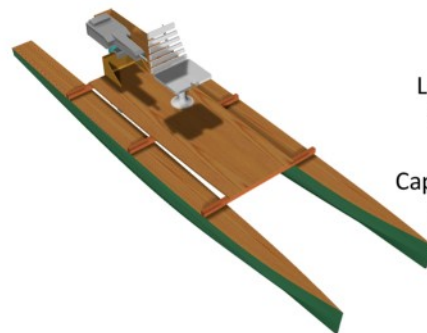
Fish Cat

Length 15 ft. 10 in. 4.83 m.
Beam 6 ft. 3 in. 1.91m
Draft 8 in. 20 cm.
Capacity 725 lbs. 330 kg.
Max. hp. 10 7.46 Kw.
Speed Estimate
12 knots 20 kmh
Capacity 3



M18 Preliminary Design Details

Length 18 ft. 5.48 m.
Beam 6.52 ft. 1.99 m.
Draft 9.25" 23.5 cm.
Displacement 2200 lbs. 997 kg.
Deadrise 10.5 degrees
HP 125 93 kw



Solo Cat

Length 15 ft. 4.57 m.
Beam 4 ft. 1.22 m.
Draft 5 in. 13 cm.
Capacity 372 lbs. 169 kg.
Max. hp 5 3.8 Kw
Speed Estimate
6 knots 11 kmh.
Capacity 2



In addition to our website **getonthewater.ca**, there are three other ways to follow us and get more information about our boats!



Check Facebook for boats in production, articles of interest, and the latest designs in progress.

@OttoVallingaYachtDesign



Check Instagram for photos of our boats in use, some progress shots and nature photography from our trips.

@getonthewaterca



Check Blogspot to find helpful tips on building, preparation and paddling your own boat.

OttoVallingaDesign.blogspot.ca



Our kits are put together by the good folks at **Noahs Marine** - noahsmarine.com, many of which can be found on their web site, on our site there are direct links to these. Contact us directly we can make the arrangements for you, or aid in your boat selection so you can begin to build your adventure.