

Appendix A

MATERIALS LIST - TIMBER

Section 1 - Timber required for hull construction. This does not include the material required for construction of Coxes seat and bow seat, though these can be probably be made up from off cuts.

The fitlins or stretchers or footrests are not included - these are "open design" and it is up to the builder to construct what they think is the best arrangement.

Unless otherwise mentioned, all timber should be entirely clear of knots. Lengths given are the bare minimum; timber should be purchased with some excess to allow for scarphs, shakes, etc.

Though Larch is preferred as the timber for most of the construction due to its durability, Douglas Fir (also known as Columbian Pine) is a highly adequate substitute. Oak can be substituted with other hard wearing woods such as Greenheart.

After five years of racing experience, most clubs have made modifications to the design of the oarlocks. The Kabes Rouths and Sclates shown on the plan are not as effective as other methods that have been adopted. Before commencing your build, please refer to the Welcome Pack issued by the SCRA, and consult with other clubs as to what they have found effective.

Part	Cross-section Inches	Tot Len Feet	Material	Comments
Hog	1½" x 4"	17	Larch	May be made in 2 parts with scarph. Some small knots are acceptable.
Keel	2" x 2¾"	17	Larch	May be made in 2 parts with scarph. Some small knots are acceptable
Stems - Sawn	2" x 4"	32	Larch	<i>Stems are either <u>sawn</u> or laminated.</i>
Stems - Laminated	2¼" x 5/16"	170	Larch	28 off 6'6" lengths
Beams	1¼" x 2½"	20	Larch	4 off 5'
Thwarts (Tafts)	7/8" x 8"	20	Larch	4 off 5' Some small knots are acceptable
Gunwales	5/8" x 1¾"	130	Larch	10 off 12-13ft lengths
Rouths	1" x 2½"	12	Oak	
Kabes	¾" x 3"	6	Oak	
Oars	2¼" x 2¼"	52	Larch, D.Fir, Ash	4 off 13ft Must be fine grained & clear.
Sclates	2 ¾" x ½"	16	Oak	

Section 2 - Timber required to complete the hull as shown in designer's drawings, builder to check quantities. Please see the outline rules of boat construction.

Bottom boards	3/4 x 6"	± 60	Red Pine	
Spine	3/4" x 2-1/2"	16	Red Pine	
Deckbeams	3/4" x 1-3/4"	30	DFir/Larch	
Kingplank	1-1/8" x 2-1/2"	8	DFir/Larch	
Gunwale Rubbing Strip	5/8" x 1"	60	Oak/Elm	