

MAD RIVER CANOE

2009 Product Catalog



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Cover Photo: Joshua Compton

The story of Mad River Canoe begins in a patch of ferns, oh so long ago, with friend Rabbit. Native American legend has it that Rabbit was a great hunter and a bit of a trickster, but most of all Rabbit was confident in his abilities. So confident in fact, that even as Lynx circles the fern, planning his attack, Rabbit is free to enjoy his pipe, secure in his abilities to avoid this mortal enemy.

TRUTH et LEGEND

Within every legend, there is truth. And the truth in the legend of Rabbit is that confidence is a powerful asset when backed up by ability. The confidence you share with your Mad River Canoe will be backed up by our ability to produce the finest craft of its kind. We like to think that every Mad River Canoe is crafted from both truth and legend. For legends inspire us toward greatness, yet only through truth can we achieve it.





INNOVATE THEN.

Our story continues on a picturesque hillside in Vermont, circa: 1971. In his backyard shed, Jim Henry, the company founder, began his mission to build a better canoe through innovative thought, design and materials. With confidence in his abilities, he designed and built the first Malacite. He then raced in – and won – the Downriver National Championship and the rest, you know. Word spread and demand grew. A tradition of innovation was born.

From the beginning, Mad River Canoe explored new designs and experimented with new materials. We were the first to introduce Kevlar™ to the canoe industry and

among the pioneers to first mold our own Royalex® canoes. We now offer a wider variety of hull designs than any other canoe manufacturer and continue to push ourselves and our designs to new levels of performance. Our efforts have been rewarded with competitions won, accolades earned (including 3 “Manufacturer of the Year” awards from Canoe & Kayak magazine) and, most importantly, a growing base of loyal customers.

After more than 35 years in this industry, we have never lost sight of our founder’s original mission to build a better canoe. Our devotion to that ideal is not

INNOVATE NOW.

measured by a time clock or marked in a ledger. It is incorporated in every new design and evident in every innovation. We don’t innovate for glory, we innovate for results. And that you can feel with every stroke of the paddle.

The following pages introduce you the realization of our promise and our passion. We invite you to experience our heritage of fine craftsmanship combined with innovative materials and design in the 2009 line-up of truly modern classics.





VERSATILE

CANOES



In much the same way that Rabbit felt confident on all manner of terrain, our Versatile Canoes will help you feel confident on both flat and white water adventures. The moderate rocker and durable material offer all around performance with minimal compromise: the best design for most water. If your paddling takes you from rivers to lakes, our Versatile Canoes are your best bet.



VERSATILE CANOES

EXPLORER SERIES

This durable series is equally at home on the river as it is on open water. The Explorer Series tracks well and cruises on flat water and is seaworthy enough to handle chop, wind and waves with confidence.

I6_{RX}

Crafted with Royalex® for carefree use in rougher, more abusive conditions, it's as close to an "all-purpose" canoe as you'll get.



L 15' 11.25" / 486 cm
W 35.25" / 91 cm
Weight 72 lbs / 33 kg
Capacity 1100 lbs / 499 kg

STANDARD FEATURES
• Shallow Vee Hull
• Moderate Rocker
• Cane Seats (Buckets on IQ)
• Shaped Ash Yoke (Not in IQ)
• IQ Cupholders (2) (IQ & IQ2 Only)

OPTIONS
• Webbed Seats
• Contoured Ash Yoke (Not in IQ)
• Additional Ash Thwart (Not in IQ)
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates

I6_{KX}

This lighter and sleeker Kevlar Explorer counterpart offers a touch more speed, acceleration, glide and efficiency.



L 16' 3" / 495 cm
W 34.5" / 88 cm
Weight 54 lbs / 25 kg
Capacity 1100 lbs / 499 kg

STANDARD FEATURES
• Shallow Vee Hull
• Moderate Rocker
• Cane Seats (Buckets on IQ)
• Shaped Ash Yoke (Not in IQ)
• IQ Cupholders (2) (IQ Only)

OPTIONS
• Webbed Seats
• Cane Bucket Seats (Not in IQ)
• Contoured Ash Yoke (Not in IQ)
• Additional Ash Thwart (Not in IQ)
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates

I5_{RX}

All the benefits of the original in a compact design. You'll find it to be quite nimble in tighter waters and a spacious, stable solo canoe as well.



L 14' 9" / 449 cm
W 35.75" / 91 cm
Weight 62 lbs / 28 kg
Capacity 850 lbs / 386 kg

STANDARD FEATURES
• Shallow Vee Hull
• Moderate Rocker
• Cane Seats (Buckets on IQ)
• Shaped Ash Yoke (Not in IQ)
• IQ Cupholders (2) (IQ & IQ2 Only)

OPTIONS
• Webbed Seats
• Contoured Ash Yoke (Not in IQ)
• Additional Ash Thwart (Not in IQ)
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates

 EXPLORER SERIES 

Manufactured TripleTough™ for years of rugged, maintenance-free reliability, the Explorer TTs also offer versatility and stability for tandem paddlers or the whole family.



L 14' 6" / 442 cm
W 36" / 91 cm
Weight 72 lbs / 33 kg
Capacity 850 lbs / 386 kg

STANDARD FEATURES

- Shallow Vee Hull
- Web Seats
- Shaped Ash Yoke
- IQ Cupholders (2) (IQ2 Only)



I4_{TT}

Well suited for confined waterways, the classic Shallow V-Hull also offers great tracking and comforting final stability.



L 16' / 486 cm
W 36" / 91 cm
Weight 82 lbs / 38 kg
Capacity 1100 lbs / 499 kg

STANDARD FEATURES

- Shallow Vee Hull
- Web Seats
- Shaped Ash Yoke
- IQ Cupholders (2) (IQ2 Only)



I6_{TT}

This durable, full-sized family boat offers capacity, stability and sea worthiness.



FREEDOM SOLO

The perfect solo river-running boat for day trips or expeditions.

L 14' 6.75" / 444 cm
W 30.5" / 78 cm
Weight 55 lbs / 25 kg
Capacity 750 lbs / 340 kg

STANDARD FEATURES

- Shallow Vee Hull
- Moderate Rocker
- Cane Seats (Bucket in IQ)
- Thwarts (2)
- IQ Cupholders (2) (IQ & IQ2 Only)



OPTIONS

- Webbed Seats
- Cane Bucket Seats (Not in IQ)
- Slotted Ash Gunwales
- Stained Ash Gunwales
- Flotation Bag Lash System
- Flotation Bag Keeper Strap
- Skid Plates
- Ready-To-Go Outfitting
- Ready-To-Go Outfitting Upgrade



MALECITE

A sleek, fast traveler with surprising sea-worthiness and stimulating efficiency.

L 16' 5.25" / 501 cm
W 34.5" / 88 cm
Weight 51 lbs / 23 kg
Capacity 850 lbs / 386 kg

STANDARD FEATURES

- Shallow Vee Hull
- Moderate Rocker
- Cane Seats (Bucket in IQ)
- Shaped Ash Yoke (Not in IQ)
- IQ Cupholders (2) (IQ Only)



OPTIONS

- Webbed Seats
- Cane Bucket Seats (Not in IQ)
- Contoured Ash Yoke (Not in IQ2)
- Additional Ash Thwart (Not in IQ)
- Slotted Ash Gunwales
- Stained Ash Gunwales
- Flotation Bag Lash System
- Flotation Bag Keeper Strap
- Center Seat Lash
- Skid Plates



RIVER

∞ CANOES ∞

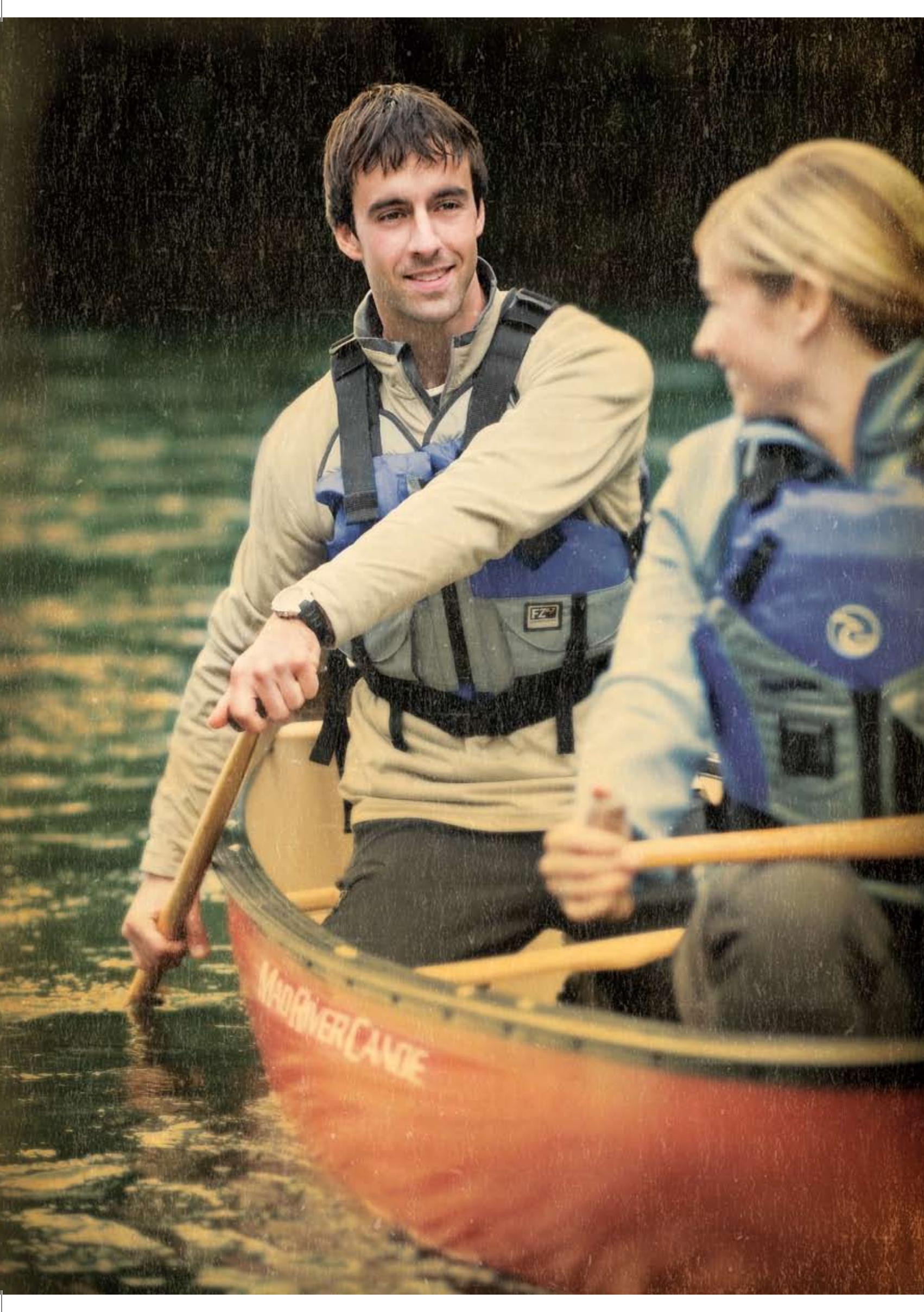


The question is inevitable. And the answer is yes. There is, in fact, a Mad River. Its waters run through Waitsfield, Vermont, where Mad River Canoe was first founded. Our River Canoes are good, adaptable boats designed with added emphasis on performance in moving waters, favoring maneuverability over tracking.

RIVER CANOES

LEGEND SERIES

The shallow arch hull and moderate rocker of these canoes allow for effortless exploration and discovery of your favorite river along with all its treasures.



I5_{RX}

Class II-III capable.
Nimble and capable of
negotiating rocky rivers
and coastal bayous.



L 15' / 457 cm
W 33.5" / 85 cm
Weight 66 lbs / 30 kg
Capacity 960 lbs / 435 kg



STANDARD FEATURES
• Shallow Arch Hull
• Moderate Rocker
• Cane Seats
• Shaped Ash Carry Yoke
• IQ Cupholders (2) (IQ2 Only)

OPTIONS
• Webbed Seats
• Cane Bucket Seats (Not in IQ)
• Contoured Ash Yoke (Not in IQ)
• Additional Ash Thwart
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates

I6_{RX}

Ideally suited for shallow,
boisterous rivers with
capacity for extended
mixed water trips with or
without gear.



L 16' / 488 cm
W 33.5" / 85 cm
Weight 72 lbs / 33 kg
Capacity 1100 lbs / 499 kg



STANDARD FEATURES
• Shallow Arch Hull
• Moderate Rocker
• Cane Seats
• Shaped Ash Carry Yoke
• Ash Tripping Thwart
• IQ Cupholders (2) (IQ2 Only)

OPTIONS
• Webbed Seats
• Cane Bucket Seats (Not in IQ)
• Contoured Ash Yoke (Not in IQ)
• Additional Ash Thwart
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates



TOURING

CANOES



The process of designing and building boats is as much art as science. And for many of us, the journey can be more rewarding than the destination. If you are one who appreciates the beauty and discovery of the journey, then our Touring Canoes were crafted with you in mind. Designed for cruising on open waters, these hulls and material offer a light weight and maximum paddling efficiency.

∞ EXPEDITION ∞

At 45-48 lbs and 18'6" long, the Expedition is bringing tripping back in a big way. Designed with very little rocker and an asymmetrical hull, this hybrid composite "super" canoe will track true and stay on course throughout your entire journey.

EXPEDITION 186



L 18' 6" / 564 cm
W 34" / 86 cm
Weight 55 lbs / 25 kg
Capacity 1250 lbs / 568 kg



STANDARD FEATURES
• Shallow Vee Hull
• Moderate Rocker
• Cane Bucket Seats
• Stern Footbrace
• Contoured Ash Yoke
• Ash Thwarts (1)

OPTIONS
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates

∞ REFLECTION SERIES ∞

The Reflection series offers reassuring stability, effortless straight-ahead efficiency and surprising maneuverability for use on lakes or rivers.

NEW I5

This compact responsive tandem sustains speed while remaining nimble on both flat water and river.



L 15' 4" / 467 cm
W 34" / 86 cm
Weight 58 lbs / 27 kg
Capacity 800 lbs / 363 kg



STANDARD FEATURES
• Shallow Arch Hull
• Minimal Rocker
• Cane Seats (Buckets in IQ)
• Shaped Ash Carry Yoke (Not in IQ)
• IQ Cupholders (2) (IQ & IQ2 Only)

OPTIONS
• Webbed Seats
• Cane Bucket Seats
• Contoured Ash Yoke (Not in IQ)
• Additional Ash Thwart (Not in IQ)
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates

I7

The large capacity and long hull make this an ideal choice for multi-day tripping and family use.

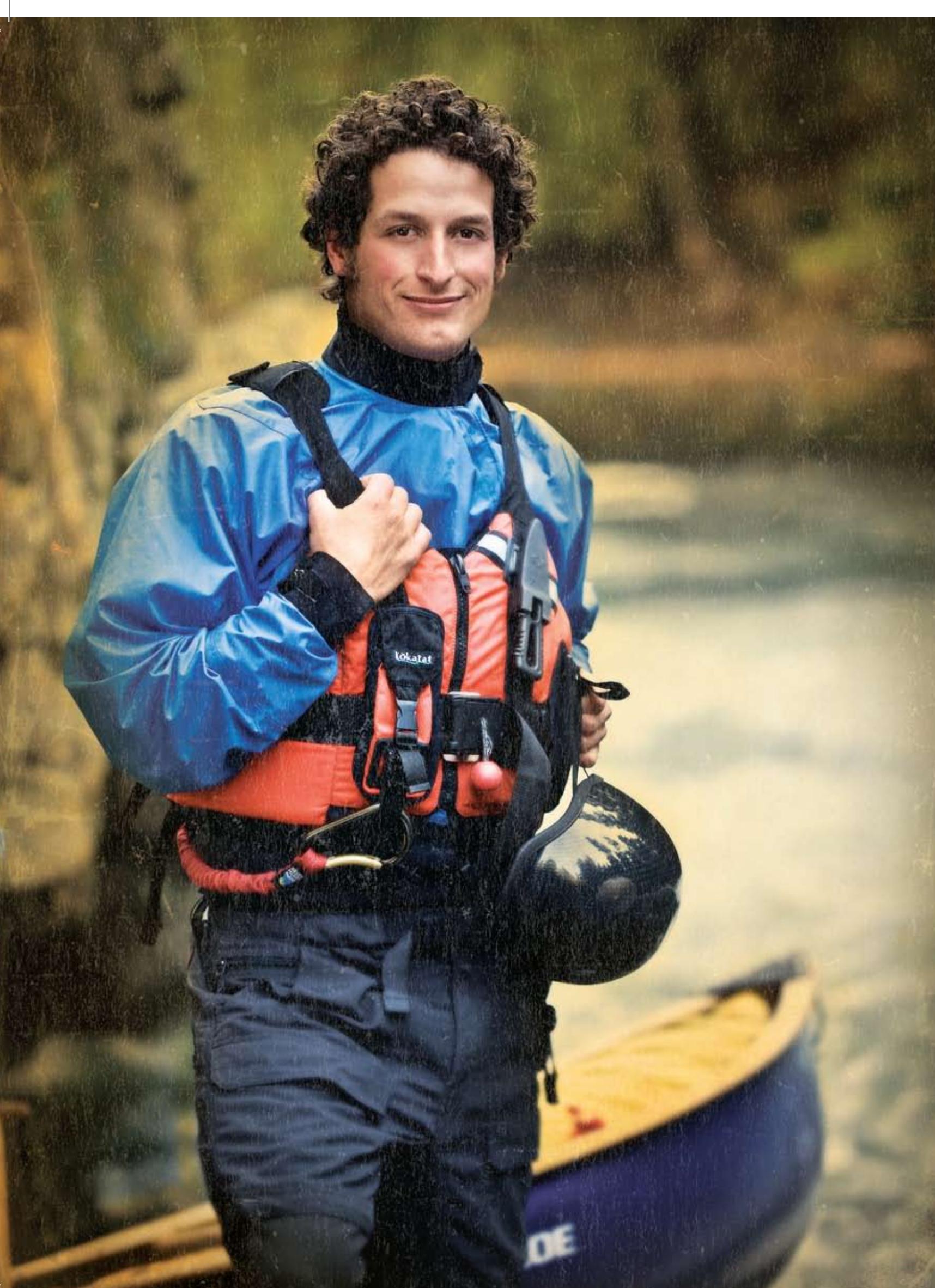


L 17' 4" / 528 cm
W 35.5" / 90 cm
Weight 66 lbs / 30 kg
Capacity 900 lbs / 408 kg



STANDARD FEATURES
• Shallow Arch Hull
• Minimal Rocker
• Cane Seats (Buckets in IQ)
• Shaped Ash Carry Yoke (Not in IQ)
• IQ Cupholders (2) (IQ & IQ2 Only)

OPTIONS
• Webbed Seats
• Cane Bucket Seats
• Contoured Ash Yoke (Not in IQ)
• Additional Ash Thwart (Not in IQ)
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates



WHITEWATER

∞ CANOES ∞



Rabbit's reputation as a trickster reminds us to incorporate an element of play in our days as well as our designs. And always end our day with a smile. We invite you to do the same and offer our Whitewater Canoes to help find the fun. These are very specialized boats for high level whitewater play. These tried and true designs can go anywhere a kayak can go and have won more than their share of whitewater championships.



When you say "play boat" the image in your head is the Outrage. Designed for different sized paddlers, select the edition that fits you best. And for tandem performance and agility, Caption is the only name you need to know.

OUTRAGE_{RX}

Royalex construction and proven design bring this canoe victories time and again. For the 190lb. and under paddler.



L 12' / 365 cm
W 28.25" / 72 cm
Weight 52 lbs / 24 kg
Capacity 425 lbs / 193 kg

STANDARD FEATURES
• Shallow Arch Hull
• Extreme Rocker
• Ash Thwarts (2)
• IQ Cupholders (IQ2 Only)

OPTIONS
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates
• Ready-To-Go Outfitting
• Ready-To-Go Outfitting Upgrade

OUTRAGE X_{RX}

A high performance play boat for the 190 pound and up paddler.



L 13' / 396 cm
W 28.75" / 74 cm
Weight 53 lbs / 24 kg
Capacity 550 lbs / 250 kg

STANDARD FEATURES
• Shallow Arch Hull
• Extreme Rocker
• Ash Thwarts (2)
• IQ Cupholders (IQ2 Only)

OPTIONS
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates
• Ready-To-Go Outfitting
• Ready-To-Go Outfitting Upgrade

CAPTION_{RX}

The celebrated benchmark for tandem, open canoe, whitewater play boats.



L 14' / 428 cm
W 32" / 81 cm
Weight 58 lbs / 26 kg
Capacity 850 lbs / 386 kg

STANDARD FEATURES
• Shallow Arch Hull
• Extreme Rocker
• Ash Thwarts (2)
• IQ Cupholders (IQ2 Only)

OPTIONS
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates



RECREATION

∞ CANOES ∞



The innovation we bring to the canoe industry is not limited to design and construction. We're constantly investigating new ways to grow our family of paddlers. For those who are newly introduced to this world or who are looking for a low maintenance solution for getting their family on the water, we offer our selection of Recreational Canoes. Easy paddling, multiple uses and virtually no upkeep, make these the ultimate grab-and-go boats.



Our Adventure line offers as versatile and family-friendly an entry level boat as possible. And the Destiny, with its comfort and speed, brings new performance to rotationally molded canoes.

ADVENTURE NEW I6

Everything you want – contoured seats, padded adjustable backrests, even cup holders and center seats are standard. New Squareback design supports a trolling motor without any modifications.



L 16' / 488 cm
W 37" / 94 cm
Weight 84 lbs / 38 kg
Capacity 950 lbs / 431 kg

STANDARD FEATURES:

- Multi-chine Hull
- Adjustable Padded Backrest
- Padded Seats
- Padded Center Seat
- Cupholders



- Gear Tray
- Mesh Pockets
- Padded Carry Handles
- Integral Transom for Trolling Motor

ADVENTURE I4

All the performance and maintenance-free ease of the 16, with added stability and ease of handling.



L 14' / 427 cm
W 37" / 94 cm
Weight 75 lbs / 34 kg
Capacity 875 lbs / 397 kg

STANDARD FEATURES:

- Multi-chine Hull
- Adjustable Padded Backrest
- Padded Seats
- Center Seat



- Cupholders
- Gear Tray
- Mesh Pockets
- Padded Carry Handles

DESTINY

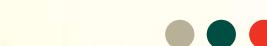
The asymmetrical hull offers increased speed and glide, while the extended stern enhances tracking.



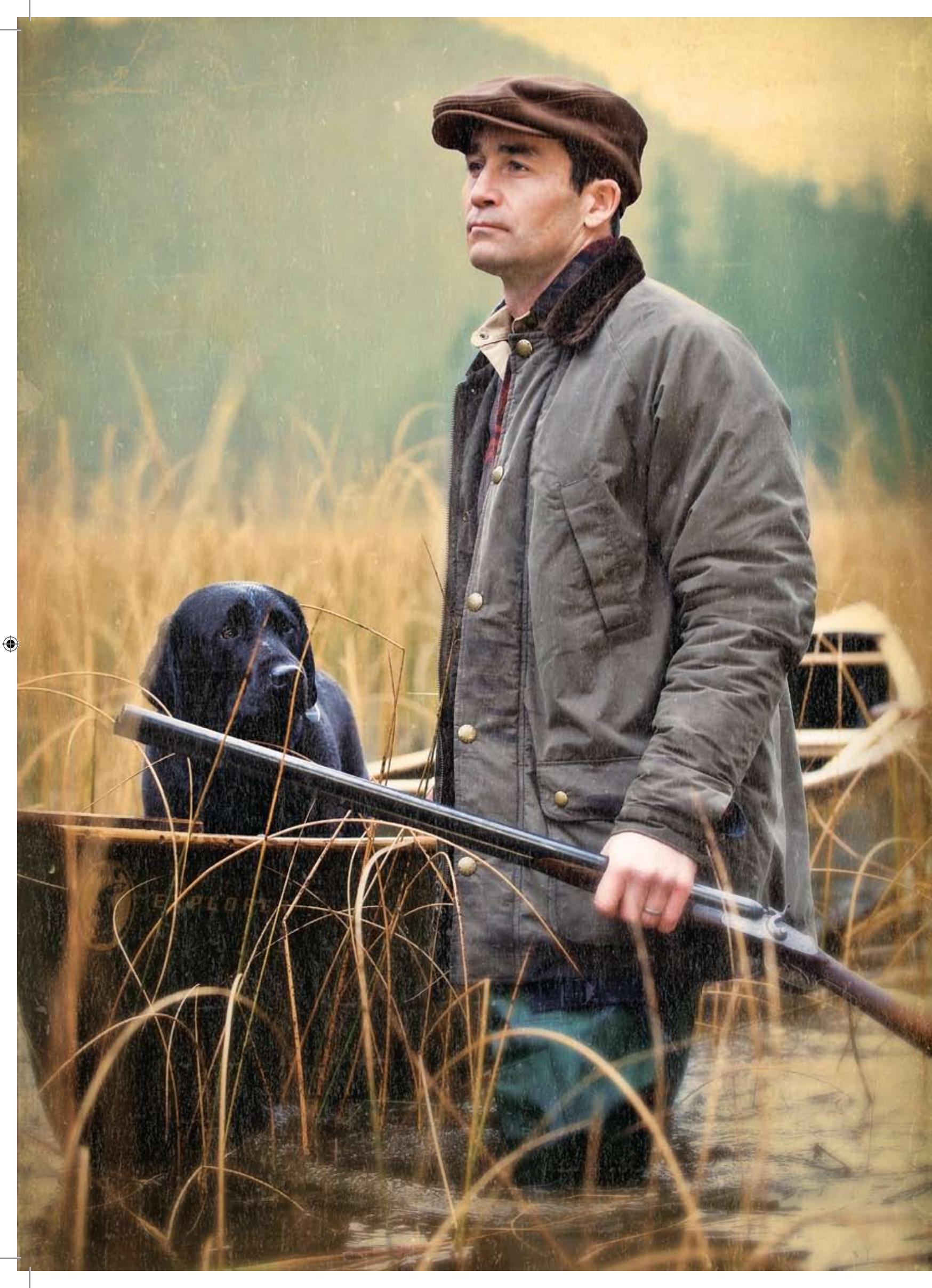
L 16' / 488 cm
W 35.75" / 91 cm
Weight 81 lbs / 37 kg
Capacity 950 lbs / 431 kg

STANDARD FEATURES:

- Multi-chine Hull
- Adjustable Padded Backrest
- Padded Seats
- Center Seat

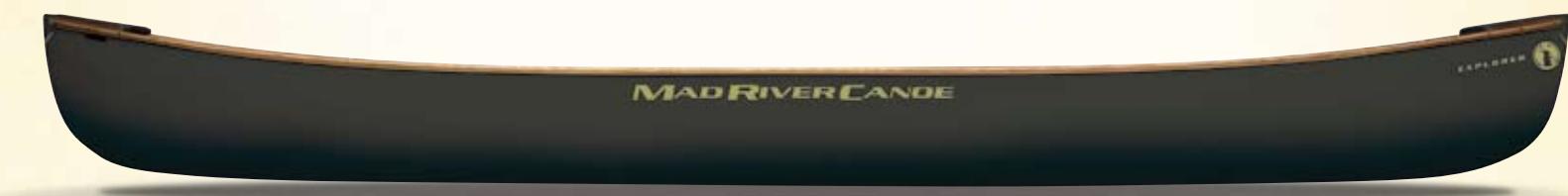


- Cupholders
- Gear Tray
- Mesh Pockets
- Padded Carry Handles



SPORTING

❖ CANOES ❖



Legend has it, that Rabbit was a great hunter. In fact, he once caught The Man in the Moon. He returned him of course. It was the sporting thing to do. Naturally, any sporting canoe we would put forth would be designed with the sportsman in mind. Our Sporting Canoes offer a high level of stability and easy access to gear, making for enjoyable days on the lake or in the marsh.


ANGLER / DUCK HUNTER


The Duck Hunter offers classic styling paired with uncompromising functionality. And the Angler provides reassuring stability that allows you to focus on your fishing.



L 13' 11" / 424 cm
W 37.25" / 96 cm
Weight 56 lbs / 25 kg
Capacity 750 lbs / 340 kg

STANDARD FEATURES
• Flared Shallow Arch Hull
• Minimal Rocker
• Cane Seats (Buckets In IQ)
• Shaped Ash Carry Yoke (Not In IQ)
• IQ Cupholders (2) (IQ & IQ2 Only)

OPTIONS
• Additional Ash Thwart (Not In IQ)
• Slotted Ash Gunwales
• Stained Ash Gunwales
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates

ANGLER I4

The lightweight yet durable Royalex® hull design makes this an ideal “poke-around” canoe for lakes and ponds: excellent for fishing and hunting.


SYNERGY SERIES


This hybrid angling boat was designed specifically for anglers. It's a canoe version of a sit-on-top with the added benefit of generous, easily-accessible gear storage.



L 12' / 366 cm
W 30.75" / 78 cm
Weight 60 lbs / 27 kg
Capacity 350 lbs / 131 kg

STANDARD FEATURES
• Multi-chine Hull
• Adjustable Padded Backrest
• Padded Seat
• Adjustable Footbraces
• Molded Cup Holder
• Recessed Rod Holders (2)
• Rod Notches (2)
• Mesh Gear Covers (Bow & Stern)
• Cockpit Bungee Tie Down

OPTIONS
• Angler Package
• Rudder
• Weight with Rudder 64 lbs / 29 kg



L 14' / 428 cm
W 30" / 76 cm
Weight 64 lbs / 29 kg
Capacity 400 lbs / 149 kg

STANDARD FEATURES
• Multi-chine Hull
• Adjustable Padded Backrest
• Padded Seat
• Adjustable Footbraces
• Molded Cup Holder
• Recessed Rod Holders (2)
• Rod Notches (2)
• Mesh Gear Covers (Bow & Stern)
• Cockpit Bungee Tie Down

OPTIONS
• Angler Package
• Rudder
• Weight with Rudder 68 lbs / 31 kg



L 15' 11.25" / 486 cm
W 35.25" / 90 cm
Weight 73 lbs / 33 kg
Capacity 1100 lbs / 499 kg

STANDARD FEATURES
• Shallow Vee Hull
• Moderate Rocker
• Cane Seats
• Shaped Ash Carry Yoke
• Ash Tripping Thwart
• Stained Wood Gunwales and Seats
• Slotted Wood Gunwales

OPTIONS
• Flotation Bag Lash System
• Flotation Bag Keeper Strap
• Skid Plates

DUCK HUNTER

Crafted with an Explorer hull (olive drab in and out), this timeless canoe is fashioned with classic cane seats along with dark stained slotted ash gunwales, thwart and yoke.



CANOE DESIGN

❖ THE ELEMENTS ❖

BEAM (width)



Measured at the widest point of the canoe and largely impacts stability and speed. The most common reference is width at the gunwales but an often more telling dimension is width at the waterline as this will determine the amount of effort required to move the boat through the water.

NARROW (33" OR LESS):

Pros

- Speed
- Paddling efficiency

Cons

- Lower initial stability

MEDIUM (34-37"):

Pros

- Good blend of speed, stability, and capacity
- Versatility, can be paddled solo or tandem

Cons

- Speed/glide falls below narrow canoe
- Initial stability lower than a wide canoe

WIDE (38" OR MORE):

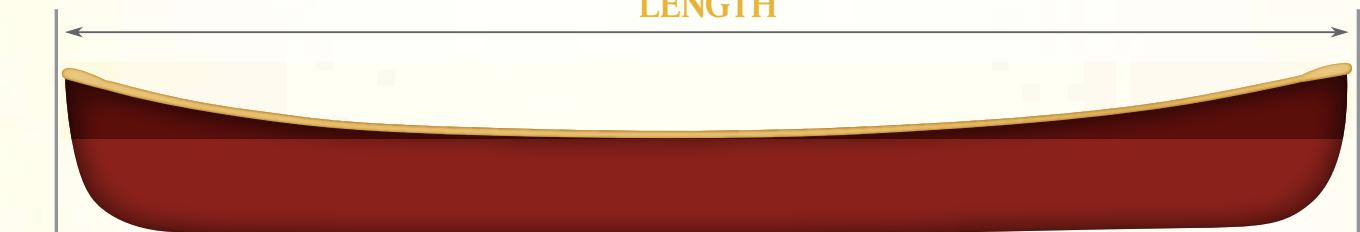
Pros

- Higher initial stability
- Stable platform for fishing, photography, etc.

Cons

- Slow
- Poor glide
- Farther reach to water
- Difficult to paddle solo

LENGTH



Measured stem to stem and is the most straightforward of all the aspects of canoe design. In terms of versatility, canoes in and around 16' are preferred. Large enough to be paddled tandem with a load or soloed on occasion and fast enough for touring yet nimble enough to work their way down a twisty stream. Canoes with emphasis on cruising speed tend to be longer while whitewater canoes shorter with a premium on maneuverability.

SHORT (14' OR LESS):

Pros

- Increased maneuverability
- Higher initial stability
- Nimble and responsive to turning strokes

Cons

- Slower
- Less glide or carry
- Poor tracking

MEDIUM (14.5'-17'):

Pros

- Moderate speed and glide
- Can be paddled tandem or solo
- Moderate maneuverability

Cons

- Slower than long canoes
- Less nimble than shorter canoes

LONG (17.5'+):

Pros

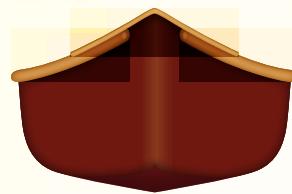
- Faster on open, flat water
- Better carry or glide between strokes
- Increased capacity

Cons

- Less maneuverable or nimble
- Heavier than short canoe of same material

HULL (Cross Section)

To visualize this aspect of canoe design, think about bisecting the canoe from side to side. The hull can impact canoe performance in a number of ways, from stability to maneuverability to speed. Canoes usually feature one of three hull cross sections: Flat, Shallow Arch, and Shallow Vee. Note that both Shallow Arch and Vee can vary in terms of degree or angle.



SHALLOW VEE

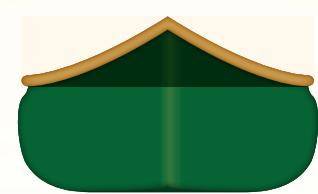
Explorer, Explorer 15, Explorer 16TT & 14TT, Freedom 17, Malecite, Expedition 186

Pros

- Most versatile hull cross section
- Highest final stability
- Superior rough water performance
- Better tracking
- Superior rigidity for increased hull efficiency
- Can be "tuned" (track: paddle straight up; maneuver: lean hull into turn)

Cons

- Wear concentrated at point of Vee
- Lower initial stability
- Slower than shallow arch in calm conditions



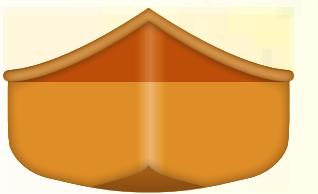
FLAT BOTTOM

Pros

- High initial stability
- Maneuverable

Cons

- Reduced final stability
- Low structural integrity
- Slow
- Unpredictable if leaned or in waves
- Stability reduced as load increases
- Tends to invert (oilcan) unless reinforced or heavily built



SHALLOW ARCH

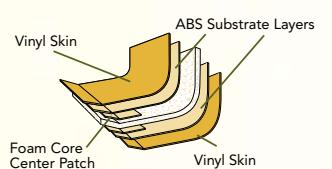
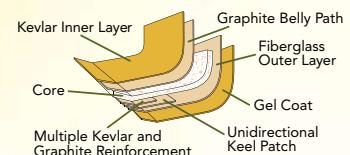
Adventure 14 & 16, Freedom Solo, Legend 15 & 16, Outrage, Outrage X, Caption, Destiny, Synergy 12 & 14, Angler 14, Reflection 15 & 17

Pros

- Paddling efficiency & speed in calm conditions
- Higher final stability than flat bottom
- Maneuverable when combined with moderate to extreme rocker

Cons

- Performance degrades in rough waters
- Lower final stability than shallow vee



HULL MATERIALS

KEVLAR™ KX

Mad River's been building canoes of Kevlar® aramid fiber longer than anyone else so we know it well. Kevlar's got an awful lot going for it, such as a tensile strength 5 times that of steel. This provides tremendous impact absorption and tear resistance, traits that make Kevlar a choice material for body armor for the military and police. At the same time, Kevlar's not perfect in all respects and over the years Mad River has married the best attributes of Kevlar to a hybrid composite matrix containing fiberglass, graphite, and core material to build the most durable canoes per pound available.

ROYALEX™ RX

Royalex is a vacuum-formed sheet laminate consisting of external vinyl layers enclosing multiple ABS plastic layers and a foam core. Not all Royalex is the same. Each canoe is made of a specific Royalex sheet designed for the intended use of that canoe. Royalex is very resistant to impact and its' moderate weight makes it the preferred material for paddlers wanting to balance durability and weight in demanding conditions. It has "memory," allowing it to distort to absorb impact and then rebound to original form after pressure is relieved. Royalex is repairable should the worst-case scenario ever occur.

POLYETHYLENE

Single solid layer of linear high-density polyethylene is used exclusively in our economically priced Adventure 14+16s. Polyethylene has excellent abrasion and impact resistance but if unsupported is too flexible for efficient paddling. Rather than simply put a reinforcing pole down the center of the hull we opted to integrate the hull and deck structure to provide the necessary rigidity and gain the strength available in a uni-body style construction. The result is a very tough and virtually maintenance free hull at a very modest price. Weight is comparable to TT hulls.

TRIPLE TOUGH™ TT

Mad River's proprietary polyethylene skin/foam/skin hull material produces a tough, durable, maintenance-free, value-priced hull. Foam core provides integral flotation and stiffness. High density linear polyethylene skins provide superior impact protection and are repairable. TT hulls average about 15 - 20% heavier than Royalex and offer similar performance characteristics.

HULL (Side Profile)

Refers to the form of the side of the canoe looking at it from one end. Canoe sides can be straight, flared, (wider from waterline to gunwale) or tumble-home (narrower at gunwale than at waterline). A canoe can actually feature all three profiles from end to end with flare at bow, tumble-home at center and straight at the stern. The primary factors in determining choice of side profile are stability, paddling efficiency, and ability to shed waves and water. The amount of flare or tumble-home can vary from model to model.



STRAIGHT

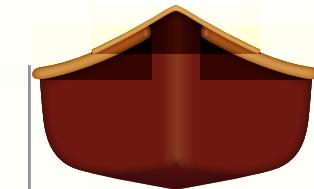
Freedom Solo

Pros

- Maintains final stability
- Moderately dry vs. side waves

Cons

- In deep hulls makes for long reach to water
- Subject to windage



FLARED

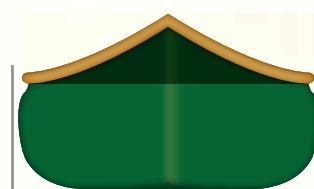
Explorer, Explorer 15, Explorer 16TT & 14TT, Freedom 17, Legend 16, Malecite, Angler 14, Caption, Synergy 12 & 14

Pros

- Driest side hull profile
- Increases final stability
- Allows for narrower waterline for increased efficiency and speed

Cons

- Reduced paddling comfort and efficiency (farther reach to water)



TUCKED

Outrage, Outrage X, Legend 15, Adventure 14 & 16, Destiny, Reflection 15 & 17, Expedition 186

Pros

- Moderately dry
- Maintains final stability
- Protects gunwales from side impact or abrasion

Cons

- Reduced paddling comfort and efficiency (farther reach to water)



TUMBLE HOME

Pros

- Allows more efficient paddle stroke
- Preferable for flat/calm water solos

Cons

- Reduces final stability
- Wet vs. side waves as water will follow curve of hull up side

SYMMETRY

Symmetry refers to the shape of the canoe viewed from overhead. Canoes can be symmetrical or asymmetrical. Asymmetrical canoes can be fish-form with widest point ahead of center or swede-form with widest point behind center.



SYMMETRICAL

Explorer, Explorer 15, Explorer 16TT & 14TT, Freedom 16, 17 & Solo, Legend 15 & 16, Malecite, Adventure 14

Pros

- Predictable handling
- Can be paddled in reverse for better trim with adult/child paddlers or solo paddler

Cons

- Slower than swede-form hull



ASYMMETRICAL SWEDE FORM

Destiny, Synergy 12 & 14, Adventure 16, Reflection 15 & 17, Expedition 186

Pros

- Enhanced forward speed
- Enhanced glide

Cons

- Can't be paddled backwards without some performance degradation in speed and glide
- Can be wet when paddling into waves



ASYMMETRICAL FISH FORM

Outrage, Outrage X, Caption

Pros

- Improved buoyancy over drops
- Increased dryness and wave deflection

Cons

- Slow
- Decreased glide

KEEL LINE

A canoe's keel line is the profile of the hull bottom running from stem to stern, best seen by standing back and viewing the canoe from the side. The keel line can range from straight or level to highly arched or rockered (think of the runner on bottom of a rocking chair). We classify canoes that have less than 2" of rocker as slightly rockered. Models with rocker ranging from 2" to 3" are considered moderately rockered and those with over 3" of rocker as extremely rockered.



SLIGHTLY ROCKERED

Angler 14, Adventure 14 & 16, Malecite, Destiny, Synergy 12 & 14, Reflection 15 & 17, Expedition 186

Pros
• Enhanced tracking, speed

Cons
• Limited maneuverability

MODERATELY ROCKERED

Explorer, Explorer 15, Explorer 16TT, Explorer 14TT, Freedom 17, Freedom Solo, Legend 15, Legend 16

Pros
• Good balance between maneuverability and speed
• Most versatile keel line

Cons
• Reduced tracking than straight keel
• Reduced speed than straight keel
• Less maneuverable than highly rockered

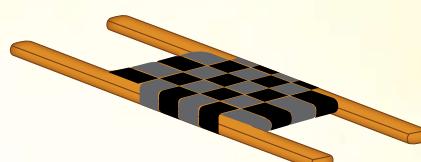
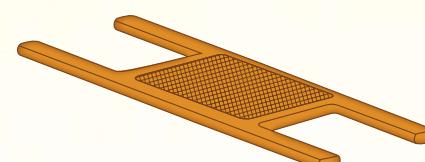
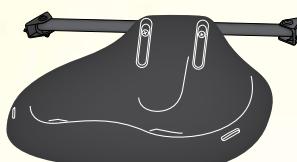
EXTREMELY ROCKERED

Outrage, Outrage X, Caption

Pros
• Enhanced maneuverability

Cons
• Poor tracking
• Reduced forward speed

SEATING



IQ SEAT

Bucket seat is contoured for stability and can be adjusted for height and for angle for maximum comfort and support. Standard on all IQ outfitted canoes. Not available on IQ2, aluminum or wood gunwaled canoes.

CANE SEAT

Traditional flat ash framed seat with cane insert. Lightweight and comfortable and cane does not hold or absorb water making for a drier ride. Standard on Royalex and composite canoes with wood, IQ2, or aluminum gunwales. Not available on IQ.

WEB SEAT

Traditional flat ash framed seat with woven web seating. Provides increased durability over cane at comparable weight. Standard on Explorer 16TT, and 14TT, with vinyl gunwales and optional on Royalex and composite canoes with wood, IQ2, or aluminum gunwales. Not available on IQ.

GUNWALE & SEATING SYSTEM

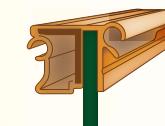
Mad River offers more choice in how you want your canoe outfitted than any other manufacturer with 6 gunwale options and 3 seating choices providing more performance and more comfort.

CANOES	GUNWALES						SEATING SYSTEMS		
	IQ	IQ2	WOOD	ALUMINUM RX	ALUMINUM KX	INTEGRAL	IQ	CANE	WEB
Explorer 16 RX									
Explorer 16 KX									
Explorer 15 RX									
Explorer 14 TT									
Explorer 16 TT									
Freedom Solo									
Malecite									
Legend 15 RX									
Legend 16 RX									
Expedition 186									
Reflection 15									
Reflection 17									
Outrage									
Outrage X									
Caption									
Adventure 16									
Adventure 14									
Destiny									
Angler 14									
Duckhunter									
Synergy 12									
Synergy 14									

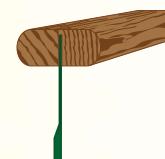
Polyethylene expands and contracts with changes in temperature and humidity. Actual dimensions can vary from those shown in the Specifications Chart due to molding process and/or exposure to extreme hot or cold temperatures. Slight variations are not covered by warranty. Specifications and features are subject to change.



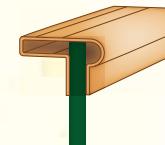
IQ™ Aluminum gunwale with dual internal channels to allow repositioning of seats and installation (and removal) of modular accessories. Hidden fasteners for clean sleek appearance and nothing to snag your hand on. Moderately light and very stiff to maximize hull efficiency. Minimal maintenance.



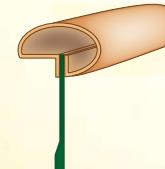
IQ2™ Vinyl gunwale version of the IQ. Features same two internal channels as original IQ and provides same capabilities except for movable seats. Moderate to heavy weight with moderate stiffness with internal aluminum "L" insert. Maintenance free.



WOOD To many, there's nothing like a wood gunwaled canoe and Mad River's always been known for the quality workmanship in our wood gunwales. Crafted of native white ash specially selected for long, straight, tight grain providing strength, stiffness, and a touch of flex. Periodic maintenance required. Choice of natural or dark walnut finish.

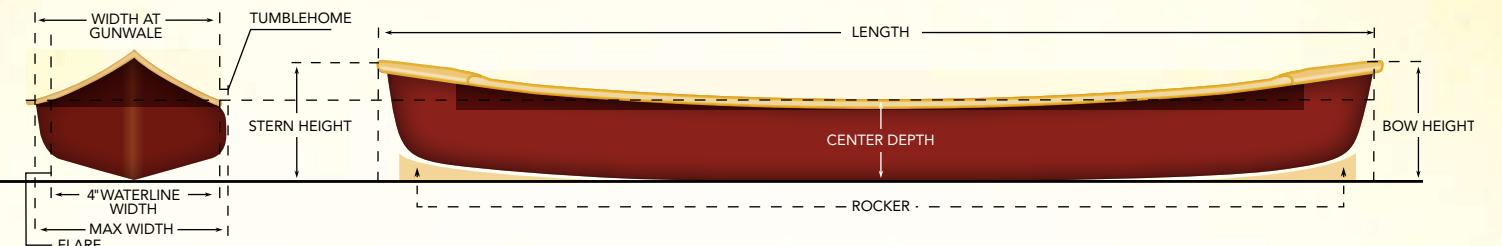


ALUMINUM FOR ROYALEX Slightly "beefier" than our aluminum rail for composite canoes. Designed to minimize weight and maximize efficiency in select cruising Royalex canoes such as the Horizon 15 and 17. Light to moderate in weight and high stiffness. Minimal maintenance.



ALUMINUM FOR COMPOSITE Specifically engineered for Kevlar composite canoes for lightest weight and maximum stiffness for efficiency. Proprietary design captures and hides rough edges of fasteners. Light weight with minimal maintenance.

∞ CANOE SPECIFICATIONS ∞



PAGE	CANOES	LENGTH	WIDTH			DEPTH			ROCKER		CAPACITY	AVERAGE WEIGHT	IQ SYSTEM
			GUNWALE	@ 4" WATERLINE	MAXIMUM	@ CENTER	@ BOW	@ STERN	@ BOW	@ STERN			
7	Explorer 16 RX	15' 11.25" / 486 cm	35.25" / 90 cm	33.25" / 85 cm	35.25" / 90 cm	14.5" / 37 cm	21.25" / 54 cm	21" / 53 cm	2.25" / 6 cm	2.25" / 6 cm	1100 lbs / 499 kg	72 lbs / 33 kg	IQ / IQ2
7	Explorer 16 KX	16' 3" / 495 cm	34.5" / 88 cm	33.25" / 85 cm	34.5" / 88 cm	14.5" / 37 cm	22.75" / 58 cm	21" / 53 cm	2.25" / 6 cm	2.25" / 6 cm	1100 lbs / 499 kg	54 lbs / 25 kg	IQ
7	Explorer 15 RX	14' 9" / 449 cm	35.75" / 91 cm	33.75" / 86 cm	35.75" / 91 cm	14.25" / 36 cm	21" / 53 cm	20" / 51 cm	2.25" / 6 cm	2.25" / 6 cm	850 lbs / 386 kg	62 lbs / 28 kg	IQ / IQ2
8	Explorer 14 TT	14' 6" / 442 cm	36" / 91 cm	34" / 86 cm	36" / 91 cm	14.5" / 37 cm	22" / 56 cm	21" / 53 cm	2.25" / 6 cm	2.25" / 6 cm	850 lbs / 386 kg	72 lbs / 33 kg	IQ2
8	Explorer 16 TT	16' / 486 cm	36" / 91 cm	34" / 86 cm	36" / 91 cm	15" / 38 cm	22" / 56 cm	21" / 53 cm	2.25" / 6 cm	2.25" / 6 cm	1100 lbs / 499 kg	82 lbs / 38 kg	IQ2
9	Freedom Solo	14' 6.75" / 444 cm	29" / 74 cm	29" / 74 cm	30.5" / 78 cm	14.25" / 36 cm	20" / 51 cm	19.75" / 50 cm	2.5" / 6 cm	2.5" / 6 cm	750 lbs / 340 kg	55 lbs / 25 kg	IQ / IQ2
9	Malecite	16' 5.25" / 501 cm	33" / 84 cm	32.25" / 82 cm	34.5" / 88 cm	13" / 33 cm	19" / 48 cm	18" / 46 cm	1.5" / 4 cm	2.25" / 6 cm	850 lbs / 386 kg	51 lbs / 23 kg	IQ

13	Legend 15 RX	15' / 457 cm	33.5" / 85 cm	33" / 84 cm	33.5" / 85 cm	14.5" / 37 cm	22" / 56 cm	20" / 51 cm	2" / 5 cm	2" / 5 cm	960 lbs / 435 kg	66 lbs / 30 kg	IQ2
13	Legend 16 RX	16' / 488 cm	35" / 89 cm	33.5" / 85 cm	33.5" / 85 cm	14.5" / 37 cm	22" / 56 cm	20" / 51 cm	2" / 5 cm	2" / 5 cm	1100 lbs / 499 kg	72 lbs / 33 kg	IQ2

16	Expedition 186	18' 6" / 564 cm	34" / 86 cm	31" / 79 cm	34" / 86 cm	14.5" / 37 cm	20.5" / 52 cm	18.75" / 48 cm	2.25" / 6 cm	1" / 3 cm	1250 lbs / 568 kg	45 lbs / 21 kg	N/A
17	Reflection 15	15' 4" / 467 cm	33" / 84 cm	33" / 84 cm	34" / 86 cm	13.5" / 34 cm	19" / 48 cm	19" / 48 cm	1" / 3 cm	1" / 3 cm	800 lbs / 363 kg	58 lbs / 27 kg	IQ / IQ2
17	Reflection 17	17' 4" / 528 cm	33" / 84 cm	33" / 84 cm	35.5" / 90 cm	13" / 33 cm	19.5" / 50 cm	19.5" / 50 cm	2.25" / 6 cm	.5" / 1 cm	900 lbs / 408 kg	66 lbs / 30 kg	IQ / IQ2

21	Outrage RX	12' / 365cm	25.5" / 65 cm	26.75" / 68 cm	28.25" / 72 cm	15.5" / 39 cm	23.5" / 59 cm	22.25" / 57 cm	5.5" / 14 cm	5.75" / 14 cm	425 lbs / 193 kg	52 lbs / 24 kg	IQ2
21	Outrage X RX	13' / 396 cm	25.75" / 65 cm	27.25" / 69 cm	28.75" / 74 cm	15" / 38 cm	24.75" / 63 cm	22" / 56 cm	6" / 15 cm	5" / 13 cm	550 lbs / 250 kg	53 lbs / 24 kg	IQ2
21	Caption RX	14' / 428 cm	30" / 77 cm	30.5" / 77 cm	32" / 81 cm	15.5" / 39 cm	23" / 59 cm	23" / 59 cm	5" / 13 cm	5" / 13 cm	850 lbs / 386 kg	58 lbs / 26 kg	IQ2

25	Adventure 16	16' / 488 cm	33" / 84 cm	34" / 86 cm	37" / 94 cm	14" / 36 cm	19" / 48 cm	16.75" / 43 cm	3.25" / 9 cm	3" / 7 cm	950 lbs / 431 kg	84 lbs / 38 kg	N/A
25	Adventure 14	14' / 427 cm	33" / 84 cm	34" / 86 cm	37" / 94 cm	14.5" / 37 cm	21" / 53 cm	18" / 46 cm	1" / 3 cm	.5" / 1 cm	875 lbs / 397 kg	75 lbs / 34 kg	N/A
25	Destiny	16' / 488 cm	31" / 79 cm	30" / 76 cm	35.75" / 91 cm	15" / 38 cm	20.75" / 53 cm	17" / 43 cm	2" / 5 cm	.5" / 1 cm	950 lbs / 431 kg	81 lbs / 37 kg	N/A

28	Angler 14	13' 11" / 424 cm	37.75" / 96 cm	37.25" / 96 cm	37.25" / 96 cm	14.25" / 36 cm	21" / 53 cm	21.25" / 54 cm	.75" / 2 cm	.875" / 2 cm	750 lbs / 340 kg	56 lbs / 25 kg	IQ / IQ2
28	Duckhunter	15' 11.25" / 486 cm	35.25" / 90 cm	33.25" / 85 cm	35.25" / 90 cm	14.5" / 37 cm	21.25" / 54 cm	21" / 53 cm	.25" / 6 cm	.225" / 6 cm	1100 lbs / 499 kg	73 lbs / 33 kg	N/A
29	Synergy 12™	12' / 366 cm	29.25" / 74 cm	28" / 71 cm	30.75" / 78 cm	10" / 25 cm	14.5" / 37 cm	12.25" / 31 cm	.2" / 5 cm	.5" / 1 cm	350 lbs / 131 kg	60 lbs / 27 kg	N/A
29	Synergy 12™ w/ Rudder	12' / 366 cm	29.25" / 74 cm	28" / 71 cm	30.75" / 78 cm	10" / 25 cm	14.5" / 37 cm	12.25" / 31 cm	.2" / 5 cm	.5" / 1 cm	350 lbs / 131 kg	64 lbs / 29 kg	N/A
29	Synergy 14™	14' / 428 cm	28.75" / 73 cm	28" / 71 cm	30" / 76 cm	10" / 25 cm	14.25" / 36 cm	12.25" / 31 cm	.2" / 6 cm	.5" / 4 cm	400 lbs / 149 kg	64 lbs / 29 kg	N/A
29	Synergy 14™ w/ Rudder	14' / 428 cm	28.75" / 73 cm	28" / 71 cm	30" / 76 cm	10" / 25 cm	14.25" / 36 cm	12.25" / 31 cm	.2" / 6 cm	.5" / 4 cm	400 lbs / 149 kg	68 lbs / 31 kg	N/A

∞ COLOR OPTIONS ∞

ROTMOLDED & TRIPLE TOUGH COLORS

Sand	Spruce	Red	Camo
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ROYALEX COLORS

Olive	Sand	Red	Green	Tabasco	Cobalt
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KEVLAR COLORS

Green	White	Sand	Red
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CUSTOM KEVLAR COLORS

Customers may order a Kevlar canoe in any gel coat color listed below for an additional \$200 (wholesale or retail):

Sky Blue	Orange	Iv

U.S./GLOBAL HEADQUARTERS
MAD RIVER CANOE
111 Kayaker Way
Easley, SC 29642
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(888-525-2925)
www.madrivercanoe.com

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