

# **(r) Mad River Canoe**

2015 PRODUCT CATALOG



# TRUTH & LEGEND

The iconic Mad River Canoe confident Rabbit has its origins in Native American legend and lore. Tribes along the coast of Maine tell tales of the confident rabbit who could sit amidst the ferns enjoying his pipe even though his mortal enemy the Lynx prowled nearby, for the Rabbit knew he possessed the intelligence and wisdom to elude and confound the Lynx.

The "smokin' bunny" adorned the first Mad River canoes built in 1971. The tale and the talents of the Confident Rabbit align nicely with Mad River's intent to build the finest canoes possible, thus engendering confidence in all who use our canoes. Confidence is a liberating emotion, freeing you to engage with and enjoy the environments our canoes are so well suited to traverse and experience.



# INNOVATE THEN.

In 1971 in a small workshop on a picturesque hill in Vermont, a legacy of both truth and legend was born in Mad River Canoe. In his backyard shed, our company founder, Jim Henry, 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 Malecite. He then raced – and won – the Downriver National Championship and the rest, you know.

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 we 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 and Kayak Magazine) and, most importantly, a growing base of loyal canoeists.



# INNOVATE NOW.

While we remain inspired by both our legacy and legends, we realize that we can only achieve greatness through truth. And the truth is, sometimes you have to take a look back at where you've been to know where you're going. After more than 40 years in this industry, we are dedicated to staying true to the ideals that built the Mad River Canoe brand: innovation, craftsmanship, tradition, and confidence in a job well done.

Our devotion to these ideals is not measured by a time clock or marked in a ledger. It is incorporated in every new design and evident in every innovation. Experience our legacy of fine craftsmanship and industry innovation in our 2015 line-up of modern classics.

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## RECREATIONAL 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 Recreation Canoes. Easy paddling, comforting stability, multiple uses and virtually no upkeep make these the perfect grab-and-go canoes.



All the performance and maintenance-free ease of the Adventure 16, with added stability, ease of handling, and tracking capabilities. This canoe is compact in dimensions yet fully capable of floating a family of 4 or a couple with a dog or two.

GUNWALE	AVG WEIGHT	STANDARD FEATURES
INTEGRAL	75 lbs / 34 kg	Integral Molded Seats with Pad (Fore & Aft Seats), Padded & 2-Way Adjustable Backrests (Fore & Aft Seats), Center Seat, Mesh Pockets (2), Gear Tray, Molded Cupholders (8), Padded Carry Handles

## ADVENTURE 14

### SPECIFICATIONS

Length: 14' / 427 cm  
 Width (4' waterline): 34" / 86 cm  
 Width (Gunwale): 33" / 84 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 875 lbs / 397 kg

Material: Polyethylene  
 Multi-Chine Shallow Arch Hull  
 Minimal Rocker



The versatile canoe choice for getting started; great for sportsmen, families or as a second canoe, the Adventure 16 is an amazing value. Tough, worry-free polyethylene construction stands up to virtually any condition. Motor-friendly stern accepts electric trolling motors.

GUNWALE	AVG WEIGHT	STANDARD FEATURES
INTEGRAL	84 lbs / 38 kg	Integral Molded Seats with Pad (All 3 Seats), Padded & 4-Way Adjustable Backrests (Fore & Aft Seats), Center Seat, Mesh Pockets (2), Gear Tray, Padded Carry Handles, Integral Transom for Trolling Motor

## ADVENTURE 16

### SPECIFICATIONS

Length: 16' / 488 cm  
 Width (4' waterline): 34.25" / 87 cm  
 Width (Gunwale): 33" / 84 cm  
 Depth (Center): 14.25" / 36 cm  
 Capacity: 930 lbs / 431 kg

Material: Polyethylene  
 Multi-Chine Shallow Arch Hull  
 Minimal Rocker





## VERSATILE

|| CANOES ||



Our Versatile Canoes are equally at home on the river as they are on open water. The moderate rocker and durable materials offer all-around performance with minimal compromise, helping you to feel confident on all types of on-water adventures. The iconic Explorer Series offers smooth cruising and superior seaworthiness, while the Serenades offer several options for the versatile solo river-runner. Rivers to lakes and all in-between, our Versatile Canoes are your best bet.



With assurance in its long history of proven performance, canoeists have chosen the Explorer as a family cruiser, fisherman's canoe, and for many other types of on-water activities. This revered design is now available in a sophisticated, durable, and high performance "FGX" fiberglass lay-up and is moderately priced for budget conscious canoeists.

GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	61 lbs / 28 kg	Web Seats, Flat Natural Ash Yoke, Wood Handles
WOOD	64 lbs / 29 kg	Cane Seats, Flat Natural Ash Yoke, Wood Handles

## EXPLORER 16<sup>FGX</sup>

### SPECIFICATIONS

Length: 16'3" / 495 cm  
 Width (4" waterline): 33.25" / 84 cm  
 Width (Gunwale): 34.5" / 88 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1100 lbs / 499 kg

Material: Fiberglass Composite  
 Shallow Vee Hull  
 Moderate Rocker



This lighter and sleeker composite Explorer offers more speed, acceleration, glide, and efficiency than its RoyaleX counterparts, with superb open water touring and camping capabilities. It is one of those rare canoes that can satisfy the most discerning paddler, but also welcomes the developing canoeist.

GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	50 lbs / 23 kg	Contoured Cane Bow/Cane Bucket Stem Seats, Contoured Natural Ash Yoke, Wood Handles
WOOD (SLOTTED)	53 lbs / 24 kg	Contoured Cane Bow/Cane Bucket Stem Seats, Contoured Natural Ash Yoke, Wood Handles

## EXPLORER 16<sup>KX</sup>

### SPECIFICATIONS

Length: 16'3" / 495 cm  
 Width (4" waterline): 33.25" / 84 cm  
 Width (Gunwale): 34.5" / 88 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1100 lbs / 499 kg

Material: Aramid Hybrid  
 Shallow Vee Hull  
 Moderate Rocker



The lightest, stiffest, and most efficient Explorer offers unmatched open water performance and the easiest off-water handling yet, incorporating new, light-weight technology for an impressive combination of speed, glide, responsiveness, capacity and seaworthiness. Translation: less reasons not to go paddling.

GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	45 lbs / 20 kg	Stained Contoured Cane Bow/Cane Bucket Stem Seat, Stained Contoured Ash Yoke, Stained Wood Handles
WOOD (SLOTTED/STAINED)	48 lbs / 22 kg	Stained Contoured Web Bow and Stem Seats, Stained Contoured Ash Yoke, Stained Wood Handles

## EXPLORER 16<sup>ULTRALITE</sup>

### SPECIFICATIONS

Length: 16'3" / 495 cm  
 Width (4" waterline): 33.25" / 84 cm  
 Width (Gunwale): 34.5" / 88 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1100 lbs / 499 kg

Material: Aramid/Core Composite  
 Shallow Vee Hull  
 Moderate Rocker



# JOURNEY 156

## SPECIFICATIONS

Length: 15'6" / 472 cm  
 Width (4" waterline): 35.25" / 90 cm  
 Width (Gunwale): 37" / 94 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1100 lbs / 499 kg

Material: Triple Tuff  
 Shallow Arch Hull  
 Moderate Rocker



The welcoming Journey 156 design is at home at summer camp, but offers a level of sophistication for adventurers too. Built for stability and versatility and everything from solo paddling to weekend camping trips, the trusted three-layer durable material is great for tight or twisty rivers with rocky conditions. Shown with optional web center seat.



GUNWALE	AVG WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
VINYL	83 lbs / 37 kg	Web Seats, Shaped Natural Ash Yoke, Polyethylene Handles	Web Center Seat with Thwart
WOOD	83 lbs / 37 kg	Web Seats, Shaped Natural Ash Yoke, Wood Handles	Web Center Seat with Thwart

## SPECIFICATIONS

Length: 15'6" / 472 cm  
 Width (4" waterline): 35.25" / 90 cm  
 Width (Gunwale): 37" / 94 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1100 lbs / 499 kg

Material: Triple Tuff  
 Shallow Arch Hull  
 Moderate Rocker



GUNWALE	AVG WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
VINYL	86 lbs / 39 kg	Rotomolded Seats, Shaped Natural Ash Yoke, Polyethylene Handles	Web Center Seat with Thwart

## SPECIFICATIONS

Length: 15'6" / 472 cm  
 Width (4" waterline): 35.25" / 90 cm  
 Width (Gunwale): 37" / 94 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1100 lbs / 499 kg

Material: Triple Tuff  
 Shallow Arch Hull  
 Moderate Rocker



Shown above with center seat

GUNWALE	AVG WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
VINYL	86 lbs / 39 kg	Web Seats, Center Web Seat, Shaped Natural Ash Yoke, Center Thwart, Polyethylene Handles	NONE
WOOD	86 lbs / 39 kg	Web Seats, Center Web Seat, Shaped Natural Ash Yoke, Center Thwart, Wood Handles	NONE



The spacious 167 is versatile and stable, with a touch more speed, glide, and storage capacity than the Journey 156 for longer trips on bigger water. This ideal recreational canoe offers adventurers and families a welcoming and durable design that isn't easily outgrown. Shown with optional web center seat.

# JOURNEY 167



### SPECIFICATIONS

Length: 16'7" / 503 cm  
 Width (4" waterline): 37.25" / 95 cm  
 Width (Gunwale): 37" / 99 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1200 lbs / 545 kg

Material: Triple Tuff  
 Shallow Arch Hull  
 Moderate Rocker



GUNWALE	AVG. WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
VINYL	88 lbs / 40kg	Web Seats, Center Seat, Shaped Natural Ash Yoke, Center Thwart, Polyethylene Handles	Web Center Seat with Thwart
WOOD	88 lbs / 40kg	Web Seats, Center Seat, Shaped Natural Ash Yoke, Center Thwart, Polyethylene Handles	Web Center Seat with Thwart



### SPECIFICATIONS

Length: 16'7" / 503 cm  
 Width (4" waterline): 37.25" / 95 cm  
 Width (Gunwale): 37" / 99 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1200 lbs / 545 kg

Material: Triple Tuff  
 Shallow Arch Hull  
 Moderate Rocker



GUNWALE	AVG. WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
VINYL	91 lbs / 41 kg	Rotomolded Seats, Shaped Natural Ash Yoke, Polyethylene Handles	Web Center Seat with Thwart



### SPECIFICATIONS

Length: 16'7" / 503 cm  
 Width (4" waterline): 37.25" / 95 cm  
 Width (Gunwale): 37" / 99 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1200 lbs / 545 kg

Material: Triple Tuff  
 Shallow Arch Hull  
 Moderate Rocker



GUNWALE	AVG. WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
VINYL	91 lbs / 41 kg	Web Seats, Center Web Seat, Shaped Natural Ash Yoke, Center Thwart, Polyethylene Handles	NONE
WOOD	91 lbs / 41 kg	Web Seats, Center Web Seat, Shaped Natural Ash Yoke, Center Thwart, Wood Handles	NONE

# SERENADE

The Serenade bridges the gap between shallow pack-style canoes and longer touring solo canoes. Its compact dimensions and composite construction make it easily managed on and off the water yet it offers impressive paddling efficiency. The Serenade is stable enough to provide a comfortable

## SERENADE 13

### FGX

#### SPECIFICATIONS

Length: 13'1" / 399 cm  
Width (4' waterline): 26.5" / 67 cm  
Width (Gunwale): 28.25" / 72 cm  
Depth (Center): 11.5" / 29 cm  
Capacity: 300 lbs / 136 kg

Material: Fiberglass  
Shallow Vee Hull  
Minimal Rocker



The Serenade features a removable kayak-style seat with adjustable back rest and padded seat, positioned low in the hull for maximum stability yet conducive for use with canoe or kayak paddle.



The Serenade FGX offers efficient paddling and moderate weight at a modest cost. The stiff fiberglass hybrid utilizes different fabrics to achieve the right balance of weight and durability. The hull rigidity translates into exceptional responsiveness to the paddle. Kayak-style seating is fully adjustable and conducive to use with canoe or kayak paddle.

GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	42 lbs / 19 kg	Removable Comfort Seating System (CSS) with Leg Lifter & 2-Way Adjustable CSS Padded Backrest, Thwarts (2), Keypers Adjustable Footbrace, Molded Gear Pockets with Bungee (2), Wood Handles
WOOD	44 lbs / 20 kg	Removable Comfort Seating System (CSS) with Leg Lifter & 2-Way Adjustable CSS Padded Backrest, Thwarts (2), Keypers Adjustable Footbrace, Molded Gear Pockets with Bungee (2), Wood Handles

### ULTRALITE

#### SPECIFICATIONS

Length: 13'1" / 399 cm  
Width (4' waterline): 26.5" / 67 cm  
Width (Gunwale): 28.25" / 72 cm  
Depth (Center): 11.5" / 29 cm  
Capacity: 300 lbs / 136 kg

Material: Aramid/Core  
Shallow Vee Hull  
Minimal Rocker



The "UL" (ultralite) aramid/core construction gives credence to an old saying - sometimes less is more. The Serenade UL is quick to accelerate, very responsive, and is extremely easy to transfer from vehicle to launch or to portage from lake to lake due to its extremely light-weight foam-core composite hull.

GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	34 lbs / 16 kg	Removable Comfort Seating System (CSS) with Leg Lifter & 2-Way Adjustable CSS Padded Backrest, Thwarts (2), Keypers XL Adjustable Footbrace, Molded Gear Pockets with Bungee (2), Wood Handles
WOOD (SLOTTED/STAINED)	35 lbs / 17 kg	Removable Comfort Seating System (CSS) with Leg Lifter & 2-Way Adjustable CSS Padded Backrest, Thwarts (2), Keypers XL Adjustable Footbrace, Molded Gear Pockets with Bungee (2), Wood Handles

platform for fishing and its open hull enables paddling in company with a favorite canine companion as well as harboring overnight gear and equipment. The Serenade and Serenade TR are offered in two hull materials and available in choice of wood or aluminum gunwales. All Serenades feature sliding center seats and adjustable footbraces to enable a customized paddling position.

The Serenade TR is outfitted with a traditional sliding canoe seat, minimizing weight and providing a more conventional open-canoe paddling position, also efficient with single or double blade paddles. The TR seat is suspended from the gunwales and will accommodate paddling from a kneeling position.



The TR configuration in the Serenade Series features a traditional hung sliding canoe seat, providing a higher paddling position more suited for traditional-style canoeing. The sophisticated, high performance "FGX" fiberglass lay-up is stiff, efficient, durable, and moderately priced for budget conscious canoeists.

GUNWALE	AVG WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
ALUMINUM	38 lbs / 17 kg	Sliding Web Seat, Thwarts (2), Keepers Adjustable Footbrace, Wood Handles	None
WOOD	40 lbs / 18 kg	Sliding Cane Seat, Thwarts (2), Keepers Adjustable Footbrace, Wood Handles	Cane Seat

## SERENADE TR 13

FGX

### SPECIFICATIONS

Length: 13'1" / 399 cm  
 Width (4' waterline): 26.5" / 67 cm  
 Width (Gunwale): 28.25" / 72 cm  
 Depth (Center): 11.5" / 29 cm  
 Capacity: 300 lbs / 136 kg

Material: Fiberglass  
 Shallow Vee Hull  
 Minimal Rocker



The Serenade TR Ultralite features a traditional hung sliding canoe seat for a high paddling position. Its extremely light-weight foam-core composite "ultralite" construction and simple outfitting combine to create our lightest and most efficient hull option, taking performance on the water to a new level while minimizing portage burden.

GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	30 lbs / 14 kg	Sliding Contoured Web Seat, Thwarts (2), Keepers XL Adjustable Footbrace, Wood Handles
WOOD (SLOTTED/ STAINED)	32 lbs / 15 kg	Sliding Contoured Cane Seat, Thwarts (2), Keepers XL Adjustable Footbrace, Wood Handles

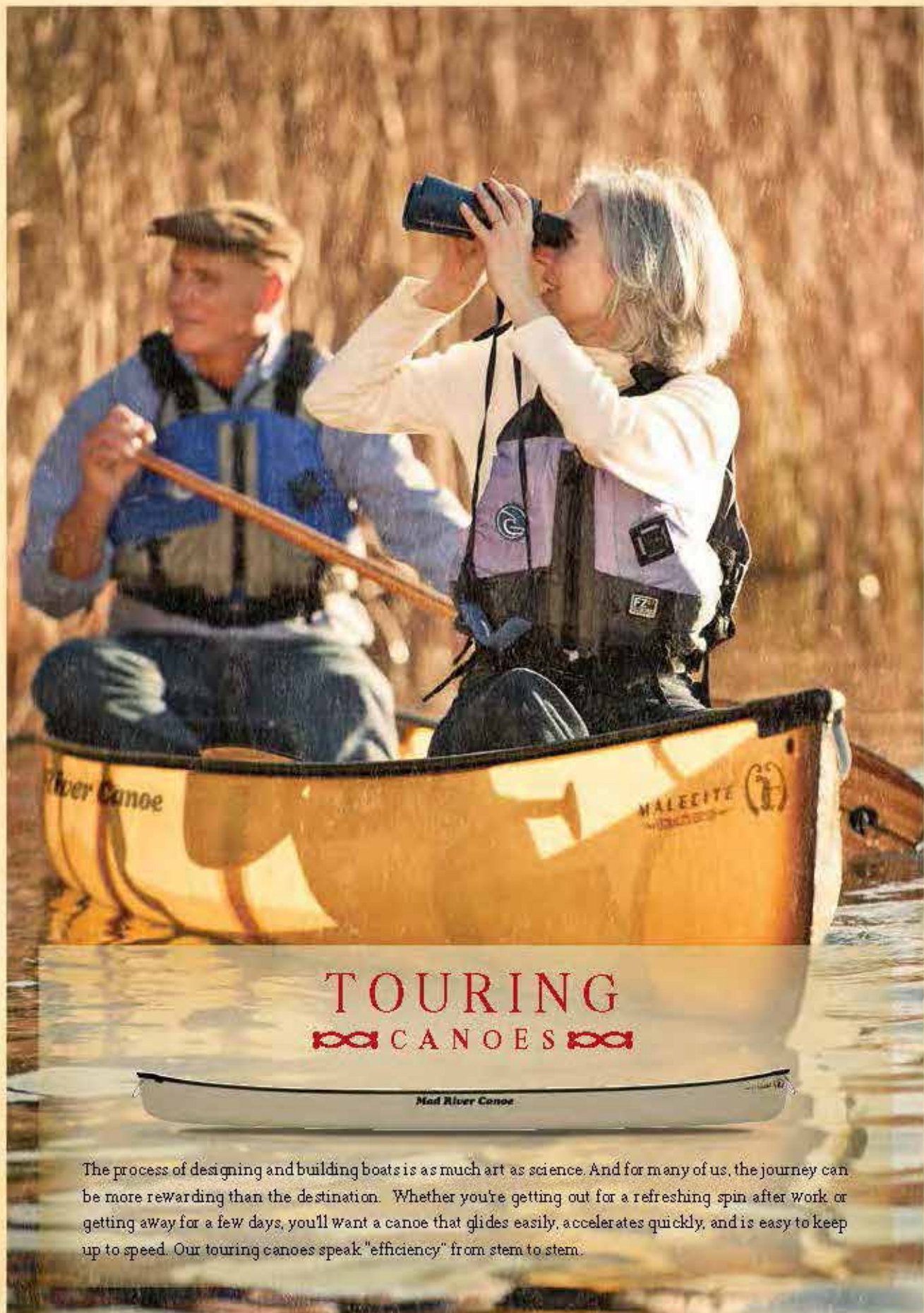
## ULTRALITE

### SPECIFICATIONS

Length: 13'1" / 399 cm  
 Width (4' waterline): 26.5" / 67 cm  
 Width (Gunwale): 28.25" / 72 cm  
 Depth (Center): 11.5" / 29 cm  
 Capacity: 300 lbs / 136 kg

Material: Aramid/Core  
 Shallow Vee Hull  
 Minimal Rocker





## 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. Whether you're getting out for a refreshing spin after work or getting away for a few days, you'll want a canoe that glides easily, accelerates quickly, and is easy to keep up to speed. Our touring canoes speak "efficiency" from stem to stern.



The "spark" that has endeared the Malecite to multiple generations of paddlers, tandem or solo, is now available in a sophisticated, high performance fiberglass lay-up. Perfect for budget conscious canoeists, it is moderately stiff, efficient, durable, and well-priced.

## MALECITE FGX

### SPECIFICATIONS

Length: 16' 5" / 501 cm  
 Width (4" waterline): 32.25" / 82 cm  
 Width (Gunwale): 34.5" / 88 cm  
 Depth (Center): 13" / 33 cm  
 Capacity: 830 lbs / 386 kg

Material: Fiberglass Composite  
 Shallow Vee Hull  
 Moderate Rocker



GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	58 lbs / 26 kg	Web Seats, Flat Natural Ash Yoke, Wood Handles
WOOD (SLOTTED)	61 lbs / 28 kg	Web Seats, Flat Natural Ash Yoke, Wood Handles



Experience the canoe that started it all on the rivers of Vermont. Mad River Canoe's and Jim Henry's original "poetry in motion" classic is fast and efficient and accommodates both solo and tandem paddling.

## MALECITE KX

### SPECIFICATIONS

Length: 16' 5" / 501 cm  
 Width (4" waterline): 32.25" / 82 cm  
 Width (Gunwale): 34.5" / 88 cm  
 Depth (Center): 13" / 33 cm  
 Capacity: 830 lbs / 386 kg

Material: Aramid Composite  
 Shallow Vee Hull  
 Moderate Rocker



GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	47 lbs / 21 kg	Contoured Cane Bow/Cane Bucket Stem Seats, Contoured Natural Ash Yoke, Wood Handles
WOOD	50 lbs / 23 kg	Contoured Cane Bow/Cane Bucket Stem Seats, Contoured Natural Ash Yoke, Wood Handles



The sleek, fast-traveling Malecite has lost a few pounds and gained a few knots, merging one of our most time-honored designs with the latest in material innovation in the Malecite Ultralite. Paddle solo or tandem on flat water with the ability to handle tight, twisty waterways with confidence and style.

## MALECITE ULTRALITE

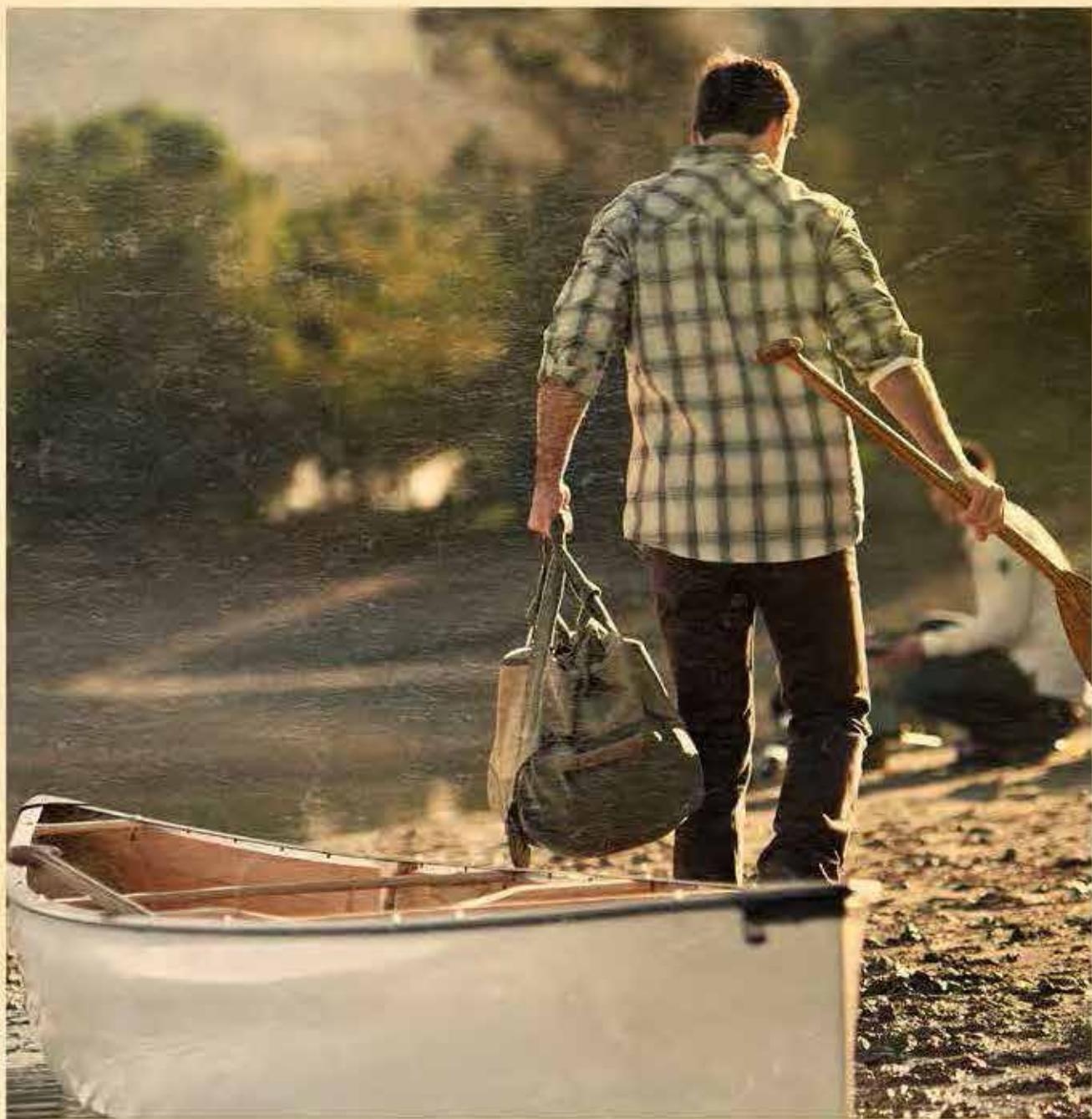
### SPECIFICATIONS

Length: 16' 5" / 501 cm  
 Width (4" waterline): 32.25" / 82 cm  
 Width (Gunwale): 34.5" / 88 cm  
 Depth (Center): 13" / 33 cm  
 Capacity: 830 lbs / 386 kg

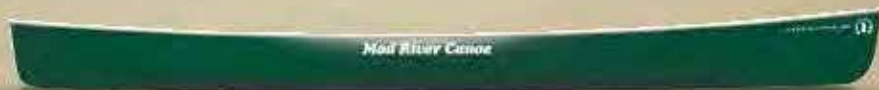
Material: Aramid/Carbon Composite  
 Shallow Vee Hull  
 Moderate Rocker



GUNWALE	AVG WEIGHT	STANDARD FEATURES
ALUMINUM	43 lbs / 20 kg	Stained Contoured Cane Bow/Cane Bucket Stem Seats, Stained Contoured Ash Yoke, Stained Wood Handles
WOOD (SLOTTED/STAINED)	46 lbs / 21 kg	Stained Contoured Cane Bow/Cane Bucket Stem Seats, Stained Contoured Ash Yoke, Stained Wood Handles



## TRIPPING CANOES



In the 17<sup>th</sup> Century, the canoe literally opened the North American continent to European explorers and native tribes alike, fostering an entire economic system in the North and making discovery possible in all corners of the continent. Our modern tripping canoes draw heavily on this exploration heritage with emphasis on speed and efficiency, capacity, and durability. Tied and true, loaded or empty, discover uncompromised paddling efficiency and seaworthiness in our Tripping Canoes.



## EXPEDITION 186

### SPECIFICATIONS

Length: 18'6" / 564 cm  
 Width (4" waterline): 32.75" / 83 cm  
 Width (Gunwale): 33" / 86 cm  
 Depth (Center): 14.5" / 37 cm  
 Capacity: 1200 lbs / 567 kg

Material: Aramid/Core Composite  
 Shallow Vee Hull  
 Minimal Rocker

Designed with very little rocker and an asymmetrical hull, this hybrid foam-core composite "super" canoe tracks true to stay on course. Able to carry substantial gear while maintaining a rapid pace, its extremely light-weight foam-core composite "ultralite" construction maximizes paddling efficiency on the water and minimizes portage burden.

GUNWALE	AVG WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
ALUMINUM	56 lbs / 25 kg	Contoured Web Seats, Thwarts (2), Contoured Natural Ash Yoke, Adjustable Stem Footbrace, Wood Handles	Side Motor Mount
WOOD	59 lbs / 27 kg	Contoured Web Seats, Thwarts (2), Contoured Natural Ash Yoke, Adjustable Stem Footbrace, Wood Handles	Side Motor Mount



## EXPEDITION 176

### SPECIFICATIONS

Length: 17'6" / 533 cm  
 Width (4" waterline): 33" / 84 cm  
 Width (Gunwale): 34" / 84 cm  
 Depth (Center): 13.25" / 39 cm  
 Capacity: 1175 lbs / 533 kg

Material: Aramid/Core Composite  
 Shallow Vee Hull  
 Minimal Rocker

With beautiful aesthetics and a crisp feeling from every stroke, the Expedition 176 Ultralite is well-sized for handling and maneuverability, getting you through tight spots while maintaining the speed, capacity, and seaworthiness for open water. Its extremely light-weight foam-core composite "ultralite" construction maximizes paddling efficiency on the water and minimizes portage burden.

GUNWALE	AVG WEIGHT	STANDARD FEATURES	AVAILABLE OPTIONS
ALUMINUM	54 lbs / 24 kg	Contoured Web Seats, Thwarts (2), Contoured Natural Ash Yoke, Adjustable Stem Footbrace, Wood Handles	Side Motor Mount
WOOD	57 lbs / 26 kg	Contoured Web Seats, Thwarts (2), Contoured Natural Ash Yoke, Adjustable Stem Footbrace, Wood Handles	Cane Bucket Seats, Side Motor Mount

# CANOE DESIGN

## THE ELEMENTS

### BEAM (using beam at gunwale)



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):

Serenade Series

##### Pros

- Speed
- Paddling efficiency
- Easier solo paddling

##### Cons

- Lower initial stability
- Lower capacity

#### MEDIUM (33-35.5"):

Malecite Series, Expedition Series, Adventure Series, Journey Series, Explorer Series

##### 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 (35.5" OR MORE):

##### Pros

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

##### Cons

- Slow
- Low gliding ability
- 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):

Adventure 14, Serenade Series

##### Pros

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

##### Cons

- Slower
- Less glide or carry
- Low tracking ability

#### MEDIUM (14'-17'):

Explorer Series, Malecite Series, Adventure 16, Journey Series

##### 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 OR MORE):

Expedition Series

##### 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 cross section 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 Series, Malecite Series,  
Expedition Series, Serenade Series

#### 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 Series, Journey Series

#### 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 (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

#### Pros

- Maintains final stability
- Moderately dry vs. side waves

#### Cons

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



### FLARED

Explorer Series, Malecite Series,  
Journey Series

#### 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

Adventure Series, Expedition Series,  
Serenade Series

#### 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

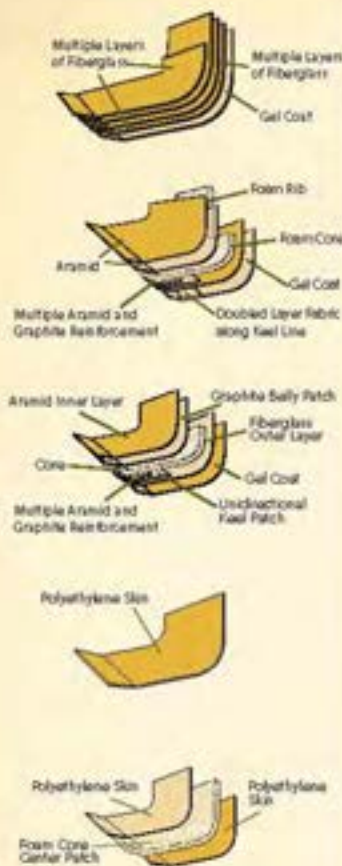
#### Pros

- Allows more efficient paddle stroke
- Preferable for flat/calm water solo's

#### Cons

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

## HULL MATERIALS



**FIBERGLASS** Our fiberglass lay-up offers value, durability and efficiency. Behind the outer skin of abrasion resistant gel-coat are multiple layers of fiberglass cloth. Full layers of cloth are selectively reinforced by partial layers to provide the necessary stiffness for paddling efficiency without any excess weight. Vinyl ester resin provides a balance of strength and flexibility to the hull for durability and longevity. Fiberglass can be shaped into the sharp ends and subtle curves, making it one of the most efficient hull materials on the market.

**ARAMID ULTRALITE** Foam cored composite laminate is the lightest way to build structurally sound canoe hulls. Ultralite is about 20% lighter than our Kevlar. Not only is foam lighter than fabric but it also does not absorb resin, reducing the resin weight contained in the hull. The foam core and series of foam ribs extending up the sides of the hull are all encapsulated between multiple layers of fabric on top and bottom and laminated via our custom resin infusion system. Though not as durable or impact-resistant as our Kevlar lay-up, the Ultralite is the lightest and stiffest lay-up, maximizing paddling efficiency and minimizing portage burden.

**KX ARAMID** 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.

**POLYETHYLENE** A 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 patented 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.

## GUNWALE SYSTEMS

If there was one perfect gunwale material, we would only offer that material. It'd be nice if it were that simple, but since it's not, we outfit our canoes in a variety of gunwales, each of which brings something different to the canoe. Wood is beautiful and classic but is moderate in weight and requires maintenance. Aluminum is light and stiff but can be bent or deformed if hull is distorted. Vinyl is very durable but its weight rivals or exceeds wood. Below are profiles of our various gunwale systems with further details:



### ALUMINUM

This lightweight, two part design accommodates hulls of varying thickness from Royalex to Composite while providing necessary stiffness to maintain hull shape. The aluminum gunwale is affixed to hull via rivets. This is the lightest gunwale ever deployed on a Mad River Canoe.

### VINYL

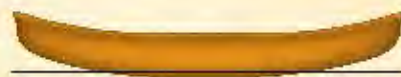
Mad River Canoe's vinyl gunwale features a box-style construction that encloses a "L" shaped aluminum extrusion. The internal extrusion provides the strength to support seats, thwarts, and yokes while the vinyl exterior shrugs off bumps and impacts. A "bulbed" outwale deflects wash and spray away from hull for drier paddling.

### WOOD

To many, there's nothing as classic as wooden gunwales, or the proven workmanship of these on a Mad River hull. Crafted of native white ash specially selected for long, straight, tight grain providing strength, stiffness, and a touch of flex. Periodic maintenance required. \* Image shows wood gunwale with composite hull.

## 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 4" are considered moderately rockered and those with over 4" of rocker as extremely rockered.



### SLIGHTLY ROCKERED

Adventure Series, Malecite Series, Expedition Series, Serenade Series

**Pros**  
• Enhanced tracking, speed

**Cons**  
• Limited maneuverability

### MODERATELY ROCKERED

Explorer Series, Journey Series

**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

**Pros**  
• Enhanced maneuverability

**Cons**  
• Limited tracking ability  
• Reduced forward speed

## 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 Series, Malecite Series, Journey Series

**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

Adventure Series, Expedition Series, Serenade Series

**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

**Pros**  
• Improved buoyancy over drops  
• Increased dryness and wave deflection

**Cons**  
• Slow  
• Decreased glide

## SEATING



### FLAT SEAT

Traditional flat ash or cane seat with woven web seating. Webbing provides increased durability while cane provides rapid drying and ventilation. Weights are comparable to cane seat. Available in natural finish.

### CONTOURED SEAT

Find your center, easily and comfortably. The arced seat surface of our Contoured Seat keeps paddlers centered without effort, allowing maximum focus and efficiency. The contoured seat has the advantage over the bucket in that it is equally comfortable when used in either direction, allowing paddlers to go solo in a tandem boat by turning around in the bow seat and paddling "backwards." Available in cane or web seating. Available in a dark stained or natural finish.

### CANE BUCKET SEAT

Better... by design. Our Cane Bucket Seat combines the advantages of a cane seat (lightweight, breathability, quick drying, ventilating) with those of a bucket seat (security of position, paddling efficiency, comfort) and the result is a comfortable, secure seat. 34" (86cm) overall width and available in a dark stained finish.

### COMFORT SEATING SYSTEM (CSS)

Lightweight EVA foam seatpads and contoured, padded seat backs provide exceptional grip and comfort for long, enjoyable days on the water.

# GUNWALE & SEATING SYSTEM

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

TANDEM CANOES	GUNWALES				SEATING SYSTEMS						
	WOOD	VINYL	ALUMINUM	INTEGRAL	CANE			WEB		ROTOMOLDED	INTEGRAL
					FLAT	CONTOURED	BUCKET	FLAT	CONTOURED		

### RECREATIONAL SERIES

Adventure 14											
Adventure 18											

### VERSATILE SERIES

Explorer 15 FGX											
Explorer 16 KX Aramid						BOW	STERN				
Explorer 16 Ultralite						BOW	STERN				
Journey 156								OPTION		OPTION	
Journey 156 with Center Seat								OPTION		OPTION	
Journey 167								OPTION		OPTION	
Journey 167 with Center Seat								OPTION		OPTION	

### TOURING SERIES

Malecite FGX											
Malecite KX Aramid						BOW	STERN				
Malecite Ultralite						BOW	STERN				

### TRIPPING SERIES

Expedition 176											
Expedition 186											

SOLO CANOES	GUNWALES				SEATING SYSTEMS						
	WOOD	VINYL	ALUMINUM	INTEGRAL	CANE			WEB		OSS	INTEGRAL
					FLAT	CONTOURED	BUCKET	FLAT	CONTOURED		

### VERSATILE SERIES

Serenade FGX											
Serenade Ultralite											
Serenade TR FGX											
Serenade TR Ultralite											

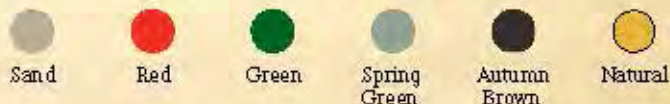
## COLOR OPTIONS

Colors may vary slightly from those shown in catalog. Color combinations will vary from those shown in catalog and are unique for each boat we produce. Variations in color are not covered by warranty.

### ROTOMOLDED & TRIPLE TOUGH COLORS



### COMPOSITE



# CANOE SPECIFICATIONS

CANOES	LENGTH	WIDTH			DEPTH			ROCKER		CAPACITY	AVERAGE WEIGHT			
		GUNWALE	Ø4" WATERLINE	MAXIMUM	ØCENTER	ØBOW	ØSTERN	ØBOW	ØSTERN		δ FREEBOARD	VINYL	ALUMINUM	WOOD

## RECREATIONAL

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
ADVENTURE 16	16' / 488 cm	33" / 84 cm	34.25" / 87 cm	37" / 94 cm	14.25" / 36 cm	19" / 48 cm	16.75" / 43 cm	1" / 3 cm	.5" / 1 cm	950 lbs / 431 kg				84 lbs / 38 kg

## VERSATILE

EXPLORER	16' 3" / 495 cm	34.5" / 88 cm	33.25" / 84 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		61 lbs / 28 kg	64 lbs / 29 kg	
EXPLORER KEVLAR	16' 3" / 495 cm	34.5" / 88 cm	33.25" / 84 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		50 lbs / 23 kg	53 lbs / 24 kg	
EXPLORER ULTRALITE	16' 3" / 495 cm	34.5" / 88 cm	33.25" / 84 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		45 lbs / 20 kg	48 lbs / 22 kg	
JOURNEY 156	15' 6" / 472 cm	37" / 94 cm	35.25" / 90 cm	37" / 94 cm	14.5" / 37 cm	20.5" / 52 cm	20.5" / 52 cm	1.25" / 3 cm	1.25" / 3 cm	1100 lbs / 499 kg	83 lbs / 38 kg			83 lbs / 38 kg
JOURNEY 156 W/CENTER SEAT	15' 6" / 472 cm	37" / 97 cm	36.25" / 92 cm	38" / 97 cm	15.5" / 39 cm	21.5" / 55 cm	21.5" / 55 cm	2.25" / 6 cm	2.25" / 6 cm	1101 lbs / 499 kg	86 lbs / 39 kg			86 lbs / 39 kg
JOURNEY 167	16' 7" / 505 cm	37" / 99 cm	37.25" / 95 cm	39" / 99 cm	16.5" / 42 cm	22.5" / 57 cm	22.5" / 57 cm	3.25" / 8 cm	3.25" / 8 cm	1102 lbs / 500 kg	88 lbs / 40 kg			88 lbs / 40 kg
JOURNEY 167 W/CENTER SEAT	16' 7" / 505 cm	37" / 102 cm	38.25" / 97 cm	40" / 102 cm	17.5" / 44 cm	23.5" / 60 cm	23.5" / 60 cm	4.25" / 11 cm	4.25" / 11 cm	1103 lbs / 500 kg	92 lbs / 42 kg			92 lbs / 42 kg
SERENADE 13	13' 1" / 399 cm	28.25" / 72 cm	26.5" / 67 cm	28.25" / 72 cm	11.5" / 29 cm	16" / 41 cm	13.5" / 34 cm	1" / 3 cm	0.5" / 1 cm	300 lbs / 136 kg		42 lbs / 19 kg	45 lbs / 20 kg	
SERENADE 13	13' 1" / 399 cm	28.25" / 72 cm	26.5" / 67 cm	28.25" / 72 cm	11.5" / 29 cm	16" / 41 cm	13.5" / 34 cm	1" / 3 cm	0.5" / 1 cm	300 lbs / 136 kg		35 lbs / 16 kg	37 lbs / 17 kg	
SERENADE TR13	13' 1" / 399 cm	28.25" / 72 cm	26.5" / 67 cm	28.25" / 72 cm	11.5" / 29 cm	16" / 41 cm	13.5" / 34 cm	1" / 3 cm	0.5" / 1 cm	300 lbs / 136 kg		38 lbs / 17 kg	40 lbs / 18 kg	
SERENADE TR13	13' 1" / 399 cm	28.25" / 72 cm	26.5" / 67 cm	28.25" / 72 cm	11.5" / 29 cm	16" / 41 cm	13.5" / 34 cm	1" / 3 cm	0.5" / 1 cm	300 lbs / 136 kg		30 lbs / 14 kg	32 lbs / 15 kg	

## TOURING

MALECITE	16' 5" / 501 cm	34.5" / 88 cm	32.25" / 82 cm	34.5" / 88 cm	13" / 33 cm	19" / 48 cm	18" / 46 cm	1.5" / 4 cm	2" / 5 cm	850 lbs / 386 kg		58 lbs / 26 kg	61 lbs / 28 kg	
MALECITE	16' 5" / 501 cm	34.5" / 88 cm	32.25" / 82 cm	34.5" / 88 cm	13" / 33 cm	19" / 48 cm	18" / 46 cm	1.5" / 4 cm	2" / 5 cm	850 lbs / 386 kg		47 lbs / 21 kg	50 lbs / 23 kg	
MALECITE ULTRALITE	16' 5" / 501 cm	34.5" / 88 cm	32.25" / 82 cm	34.5" / 88 cm	13" / 33 cm	19" / 48 cm	18" / 46 cm	1.5" / 4 cm	2" / 5 cm	850 lbs / 386 kg		43 lbs / 20 kg	46 lbs / 21 kg	

## TRIPPING

EXPEDITION 176	17' 6" / 533 cm	34" / 84 cm	33" / 84 cm	35.5" / 90 cm	15.25" / 39 cm	22" / 56 cm	18.5" / 47 cm	2" / 5 cm	1.25" / 3 cm	1175 lbs / 533 kg		54 lbs / 24 kg	57 lbs / 26 kg	
EXPEDITION 186	18' 6" / 564 cm	33" / 86 cm	32.75" / 83 cm	35" / 89 cm	14.5" / 37 cm	21" / 53 cm	18" / 46 cm	2" / 5 cm	1" / 3 cm	1250 lbs / 567 kg		56 lbs / 25 kg	59 lbs / 27 kg	

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All Mad River Canoes are designed and manufactured in the U.S.A. and are covered by a Limited Lifetime Warranty. Some limitations apply. Visit [www.madrivercanoe.com](http://www.madrivercanoe.com) for full details.

To see a full assortment of Mad River Canoe outfitting and accessories visit [www.harmonygear.com](http://www.harmonygear.com).

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Prices shown are based on US Manufacturer's Suggested Retail Price and are subject to change.