

For Upwind High:

TWS (kt)	14	16	20
Beat VMG	12%	18%	18%
52°	8%	12%	12%
90°	3%	5.5%	5.5%
135°	1%	1%	1%
Run VMG	1%	1%	1%

For Downwind High:

TWS (kt)	14	16	20
Beat VMG	1%	1%	1%
52°	1%	1%	1%
90°	3%	5.5%	5.5%
135°	8%	12%	12%
Run VMG	12%	18%	18%

Race-specific ratings also appear on Page 2 of ORC certificates issued in the US and CAN:

Chicago-Mac Upwind		1.0423
Chicago-Mac All Purpose		1.0478
Chicago-Mac Downwind		1.0526
Bayview-Mac Cove Island		0.9879
Bayview-Mac Shore		1.0043
Harvest Moon Regatta	464.0	1.2930
Victoria-Maui		1.1055

The course models for the **Chicago Mac Upwind** and **Chicago Mac All-Purpose** are shown here:

Chicago Mac Upwind		TWS						
TWA	6 Kts	8 Kts	10 Kts	12 Kts	16 Kts	20 Kts		
Optimum Beat	1.75%	5.25%	10.50%	10.50%	5.10%	1.60%	34.70%	
52 deg Reach	1.40%	4.35%	9.00%	9.30%	5.10%	1.80%	30.95%	
90 deg Reach	0.75%	2.25%	4.50%	4.50%	2.40%	0.90%	15.30%	
135 deg Reach	0.60%	1.80%	3.30%	3.30%	1.50%	0.45%	10.95%	
Optimum Run	0.50%	1.35%	2.70%	2.40%	0.90%	0.25%	8.10%	
Sum	5.00%	15.00%	30.00%	30.00%	15.00%	5.00%	100.00%	

Chicago Mac All-Purpose		TWS						
TWA	6 Kts	8 Kts	10 Kts	12 Kts	16 Kts	20 Kts		
Optimum Beat	1.45%	3.90%	6.90%	6.00%	2.40%	0.60%	21.25%	
52 deg Reach	0.700%	2.40%	5.40%	6.00%	3.15%	1.10%	18.75%	
90 deg Reach	0.700%	2.40%	5.40%	6.00%	3.90%	1.60%	20.00%	
135 deg Reach	0.700%	2.40%	5.40%	6.00%	3.15%	1.10%	18.75%	
Optimum Run	1.45%	3.90%	6.90%	6.00%	2.40%	0.60%	21.25%	
Sum	5.00%	15.00%	30.00%	30.00%	15.00%	5.00%	100.00%	