|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 00 | Z P W S F | $\begin{array}{llll} \hline \mathrm{Z} & \mathrm{~W} \\ \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{aligned} & \mathrm{Z} \text { W C P W P W } \\ & \text { C S F } \end{aligned}$ | $\begin{array}{ll} \mathrm{Z} & \mathrm{~W} \\ \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{array}{lll} \hline \text { Z W C P W P C } \\ \text { P S F } \end{array}$ | $\begin{array}{llllll} \hline Z & W & C & P & C & P \\ C & P & W & S & F & \end{array}$ |  |
| 01 | $\begin{array}{llll} \hline Z & P & \text { W C } \\ \text { S } & \text { F } \end{array}$ | $\begin{aligned} & Z \quad \text { P W P } \\ & W \text { S F } \end{aligned}$ | $\begin{array}{lllll} \hline Z & P & W & P & W \\ P & W & C & S & F \end{array}$ | $\begin{aligned} & \text { Z P W P C U } \\ & \hline S \text { F } \end{aligned}$ | $\begin{array}{\|lllll} \hline Z & P & C & U & P \\ P & W & S & F \end{array}$ |  |  |
| 02 | Z P C S F | $\begin{aligned} & \mathrm{Z} \text { w c U C } \\ & \mathrm{S} \text { F } \end{aligned}$ | $\begin{aligned} & \mathrm{Z} P \mathrm{P} \subset \mathrm{U} \text { PC } \\ & \mathrm{S} \text { F } \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { W C U C U } \\ & \mathrm{S} \mid \mathrm{F} \end{aligned}$ | Z w C UP w PWCUSF | $\begin{aligned} & \text { z WCCUC U } \\ & c \text { U } \mathrm{S} \end{aligned}$ |  |
| 03 | Z W V C S F | $\underset{F}{Z} \text { P W U W S }$ |  | $\begin{array}{lll} Z_{W} & \text { P U U W U } \\ \text { S F } \end{array}$ | $\begin{aligned} & \text { Z P W W U W U } \\ & \text { W c V S } \end{aligned}$ | Z P W U W U WCVCVCSF |  |
| 04 | $\underset{F}{Z} \text { W c н S }$ | $\begin{array}{llllll} \hline \text { Z } & H & W & C & H & C \\ V & C & S & F & & \end{array}$ | $\begin{aligned} & \text { Z W C H C H } \\ & \text { S F } \end{aligned}$ | $\begin{array}{llllll} \hline \mathbf{Z} & \text { W} & C & H & W & U \\ \text { W } & C & S & F & & \end{array}$ | $\begin{aligned} & \text { Z W C C H C V C } \\ & \text { H C V C S F } \end{aligned}$ | Z WCHCVC HCVCVCSF |  |
| 05 | $\begin{array}{llll} \mathrm{z} & \mathrm{~W} & \mathrm{C} & \mathrm{~V} \\ \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{aligned} & \mathrm{Z} \text { W Co } \\ & \mathrm{S} \text { F } \end{aligned}$ | $\begin{array}{llll} \mathrm{z} & \mathrm{~W} & \mathrm{C} & \mathrm{O} \\ \mathrm{O} & \mathrm{~s} & \mathrm{~F} & \end{array}$ |  | $\begin{array}{llllll} \hline z & W & C & O & C & O \\ V & s & F & & \end{array}$ | $\begin{array}{llllll} \text { Z } & \text { W } & \text { c } & \text { O } & 1 & 0 \\ \text { c } & o & \text { s } & \text { F } & & \end{array}$ |  |
| 06 | $\begin{array}{llll} \hline \mathrm{Z} & \mathrm{w} & \mathrm{C} & \mathrm{~V} \\ \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{array}{\|llll} \hline Z \text { W C O } \\ \hline \text { S F } \end{array}$ | $\begin{array}{llll} \mathrm{Z} & \mathrm{~W} \\ \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{array}{lllll} \mathrm{z} & \mathrm{w} & \mathrm{C} & \mathrm{~V} & \mathrm{C} \\ \mathrm{O} & \mathrm{c} & \mathrm{~s} & \mathrm{~F} \end{array}$ | $\begin{array}{ll} \mathrm{Z} \text { W C O C } \\ \mathrm{O} \text { S F } \end{array}$ |  |  |
| 07 | Z W C I C S F |  | $\begin{aligned} & \text { Z WCOC } \\ & \text { I C S F } \end{aligned}$ | $\begin{aligned} & \mathrm{z} w \mathrm{w} 010 \\ & \mathrm{v} \mathrm{~S} \mathrm{~F} \end{aligned}$ | $\begin{aligned} & \mathrm{z} \text { w c oc c } \\ & \mathrm{O} \text { v S F } \end{aligned}$ | $\begin{array}{lllll} \hline \text { Z W C O C O } \\ \text { c ol } & \text { S } & \\ \hline \end{array}$ |  |
| 08 | $\begin{array}{lll} \mathrm{Z} & \mathrm{~V} \text { C D C I } \\ \mathrm{S} & \mathrm{~F} \end{array}$ | $\begin{array}{\|l\|l} \hline \text { Z VC D C D } \\ \text { C I S F } \end{array}$ | $\begin{aligned} & \text { ZVNOCD W } \\ & \text { C SF } \end{aligned}$ |  | $\begin{aligned} & \text { Z V W O W O } \\ & \text { c I Sf } \end{aligned}$ | $\begin{aligned} & \text { Z V W O Wo } \\ & \text { W O C IS S } \end{aligned}$ |  |
| 09 | $\begin{array}{ll} \hline z \text { V C D C I } \\ \hline \mathrm{S} F \mathrm{~F} \end{array}$ | $\begin{aligned} & \text { Z VC D C D } \\ & \text { C I S F } \end{aligned}$ | $\begin{aligned} & \text { Z V WOOCD } \\ & \text { C ISF } \end{aligned}$ |  | $\begin{aligned} & \text { Z v wo wo } \\ & \text { c IS } \mathrm{S} \end{aligned}$ | $\begin{array}{\|llll} \hline \text { Z vow o wo } \\ \text { W O C I S } \end{array}$ |  |
| 10 | $\begin{array}{lllll} \hline Z & V & W & I & V \\ S & F & & & \end{array}$ | $\begin{array}{\|llllll} \hline z & v & w & I & w & I \\ v & c & s & F \end{array}$ | $\begin{array}{llllll} \hline Z & V & W & D & W & D \\ V & C & S & F & & \end{array}$ | $\begin{array}{lll} \text { Z V W D W I } \\ \text { w I v c s F } \end{array}$ | $\begin{array}{\|lllll} \hline Z & V & W & D & W \\ W & D \\ W & D & v & C & S \\ \hline \end{array}$ |  |  |
| 11 | $\begin{array}{lllll} \mathrm{Z} & \mathrm{~V} & \mathrm{~W} \\ \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{array}{llllll} \hline Z & \text { V } & \text { W I } & \text { W I } \\ \text { v } & \text { c } & S & F \end{array}$ | $\begin{array}{llllll} \mathrm{z} & \mathrm{~V} & \mathrm{~W} & \mathrm{D} & \mathrm{~W} & \mathrm{D} \\ \mathrm{~V} & \mathrm{c} & \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{array}{llll} \hline Z & V & W & \text { W I } \\ \text { W I V c S F } \end{array}$ | Z V w D w D w D V C S F |  |  |
| 12 | $\begin{array}{lllll} \mathrm{Z} & \mathrm{~V} & \mathrm{~W} & \mathrm{I} & \mathrm{~W} \\ \mathrm{~S} & \mathrm{~F} & & \end{array}$ | $\begin{array}{llllll} \mathrm{z} & \mathrm{~V} & \mathrm{~W} & \mathrm{I} & \mathrm{w} & \mathrm{~V} \\ \mathrm{c} & \mathrm{~s} & \mathrm{~F} \end{array}$ | $\begin{array}{llllll} \hline Z & V & W & D & W & D \\ V & c & S & F & \end{array}$ | $\begin{aligned} & Z V W D W D \\ & W \end{aligned}$ | $\begin{array}{\|llllll} \hline Z & W & V & D & W & D \\ \text { W } & \text { I } & \text { W } & S & F \end{array}$ | $\begin{aligned} & Z V W C D W \\ & I W \\ & I W V C S \end{aligned}$ |  |
| 13 | Z V D P S F | Z P IV W S F | Z P D P S F |  | $\begin{array}{\|lllllll} \hline Z & V & D & P & D & V & D \\ V & W & S & F & & \end{array}$ | $\begin{aligned} & Z V D P_{F} D P D \\ & V W S F \end{aligned}$ |  |
| 14 | Z V P S F | $\begin{aligned} & \hline Z V P \text { I P W } \\ & S \text { F } \end{aligned}$ | Z I P I P S F |  | $\begin{array}{lllll} \hline Z & V & P & V & P \\ S & F & & \end{array}$ | $\begin{array}{\|llll} \hline Z & V & \text { P D P D P } \\ \text { S F } \end{array}$ |  |
| 15 | Z I P S F | $\begin{aligned} & \hline Z \quad \text { IW C I P } \\ & \text { S F } \end{aligned}$ | Z I P I P S F | $\begin{aligned} & \text { Z IP P V P I W } \\ & C S F \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { I P V P I P } \\ & \mathrm{S} \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l} \hline Z & I P I P I P \\ S \end{array}$ | $\begin{array}{llllll} \hline Z & I & P & I & P & V \\ I & P & S & F & \end{array}$ |
| 16 | Z V P S F | $\begin{array}{lllll} \hline Z & P & C & W & \\ S & F \end{array}$ | $\begin{aligned} & \mathrm{Z} \text { V P C P } \\ & \mathrm{S} \text { F } \end{aligned}$ |  | $\begin{array}{\|llllll} \hline Z & V & P & C & V & P \\ I & V & W & C & S & F \end{array}$ | $\begin{array}{\|lll} \hline Z & P & C \\ S & F & C \end{array}$ | $\begin{aligned} & \text { Z V P C P P C V } \\ & \text { P C P S F } \end{aligned}$ |
| 17 | Z I P C S F |  | $\begin{aligned} & \mathrm{Z} \\ & \mathrm{~S} \text { IP C P C } \end{aligned}$ |  | $\begin{array}{\|llllll} \hline Z & V & P & C & P & C \\ P & C & S & F & & \\ \hline \end{array}$ | $\begin{aligned} & \hline \text { Z V P P C P C P } \\ & \text { C I V I V [S] } \end{aligned}$ | $\begin{aligned} & \text { Z V P C P P C V } \\ & \text { P C P S F } \end{aligned}$ |
| 18 | Z I P C S F | ZV P W H SiF | Z I U I U S F | $\begin{aligned} & \hline \mathrm{Z} V \mathrm{P} \text { W P W } \\ & \mathrm{V} \text { S F } \end{aligned}$ | $\begin{aligned} & \mathrm{Z} V \mathrm{P} \text { C IU I } \\ & \mathrm{H} \text { SF } \end{aligned}$ |  | $\begin{aligned} & \hline \text { Z IUGIU I V } \\ & \text { P W P C S F } \end{aligned}$ |
| 19 | Z I H S F | $\begin{array}{llll} \hline Z & V & \text { P W P W } \\ \text { S F } \end{array}$ | $\begin{aligned} & \mathrm{Z} \text { V U C U C } \\ & \mathrm{S} \text { F } \end{aligned}$ | $\begin{aligned} & \mathrm{z} \mathrm{~V} \text { U C U C } \\ & \mathrm{V} \text { Sif } \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { VUGCUC } \\ & \mathrm{H} \mathrm{~S} \text { F } \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { V U C U C } \\ & \mathrm{U} \text { Sif } \end{aligned}$ |  |
| 20 | Z V U C I S F | $\begin{aligned} & \mathrm{Z} \text { V H C H C } \\ & \mathrm{S} \text { F } \end{aligned}$ | $\begin{aligned} & \text { Z V U C H C } \\ & \text { I S F } \end{aligned}$ | $\begin{aligned} & \hline \text { ZVUUCUC } \\ & \text { IS F } \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline \text { Z V U C H V U } \\ \text { C I S F } \end{array}$ | $\begin{array}{llllll} \hline Z & V & U & C & U & C \\ U & c & S & F & & \end{array}$ |  |
| 21 | Z I H C S F | $\begin{aligned} & \mathrm{Z} \text { I } \mathrm{HECH} \\ & \mathrm{C} S \mathrm{~F} \end{aligned}$ | $\begin{array}{llllll} \hline Z & V & H & C & H & C \\ V & C & S & F & & \end{array}$ | $\begin{array}{llllll} \hline Z & V & H & C & H & C \\ H & C & S & F & & \end{array}$ | $\begin{array}{lllllll} \hline Z & V & U & W & U & \text { W } \\ \text { V } & H & C & S & F & \end{array}$ | $\begin{array}{llllll} \hline Z & V & H & C & H & C \\ H & C & H & C & S & F \end{array}$ | $\begin{aligned} & \text { Z IUCUC U } \\ & \text { C IS F } \end{aligned}$ |
| 22 | Z I H C S F | $\begin{aligned} & \hline \mathrm{Z} V \mathrm{~V} \text { W U W } \\ & \mathrm{S} \text { F } \end{aligned}$ | $\begin{aligned} & \hline Z \quad V \quad H \quad C \quad V C \\ & U W \end{aligned}$ | $\begin{array}{lllll} \hline Z & V & U & W & U \\ U & W & \\ \text { U } \end{array}$ | Z V H C V C <br> U W U W S F | Z V H C C H C U W W |  |
| 23 | Z V H W S F | $\begin{aligned} & \mathrm{Z} \text { V H W H W } \\ & \mathrm{S} \text { F } \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { V U W U W } \\ & \mathrm{S} \text { F } \end{aligned}$ |  | $\begin{array}{\|llllll} \hline Z & V & U & C & U & C \\ U & C & S & F & & \end{array}$ | $\begin{aligned} & \text { ZVVCHCUU } \\ & \text { W USWS } \end{aligned}$ | $\begin{array}{lllll}\text { Z V } & \text { U } & \text { W } & \text { U } \\ \text { U W } & \text { W }\end{array}$ |
| 24 | Z V H W S F | $\begin{array}{lll} \hline Z & V \\ S & H \end{array}$ | $\begin{array}{llll} \hline Z_{S} & \mathrm{~F} & \mathrm{H} W \mathrm{O} & \mathrm{C} \end{array}$ | $\begin{aligned} & \mathrm{Z} \mathrm{~V} \mathrm{H} \text { W H W } \\ & \mathrm{O} \mathrm{~S} \mathrm{~F} \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { V H W O C } \\ & \mathrm{O} \text { S F } \end{aligned}$ |  | $\begin{array}{llllll} \hline \text { Z } & \text { V } & \text { H } & \text { W } & \text { H } \\ \text { O } & \text { c } & \text { O } & \text { I S } \end{array}$ |
| 25 | $\begin{aligned} & \hline Z 1 \text { D C D Y } \\ & \hline S F F \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { ID C D C D } \\ & \text { Y S F } \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { IO W I I D C } \\ & \mathrm{D} Y \mathrm{SF} \end{aligned}$ | $\begin{array}{lll} \hline Z \text { I O WO W } \\ \text { I D Y SF } \end{array}$ |  | $\begin{aligned} & \mathrm{Z} \text { IO W O O W I } \\ & \mathrm{D} C \mathrm{D} C \mathrm{~S} \end{aligned}$ |  |
| 26 | $\begin{array}{ll} \mathrm{Z} & \mathrm{I} D \mathrm{C} \text { C C } \\ \mathrm{S} \end{array}$ | $\begin{aligned} & \mathrm{Z} \text { IDC D C D } \\ & \mathrm{Y} \text { S/F } \end{aligned}$ | $\begin{aligned} & \mathrm{Z} \text { IO OWIDC } \\ & \mathrm{D} Y \mathrm{~S} \text { I } \end{aligned}$ | $\begin{array}{llll} \hline Z \text { I O O W W } \\ \text { I D Y S F } \end{array}$ |  | $\begin{aligned} & \text { Z IOWOOWI } \\ & D C D C S F \end{aligned}$ |  |
| 27 | $\begin{array}{ll} \mathrm{Z} & \mathrm{I} D \mathrm{C} \\ \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{aligned} & \text { ZID C D C D } \\ & \text { Y STF } \end{aligned}$ | $\begin{aligned} & \text { Z IO OWID C } \\ & \text { D Y S } \end{aligned}$ |  |  |  |  |
| 28 | Z C D W S F | $\begin{array}{llll} \mathrm{Z} & \mathrm{C} \\ \mathrm{~S} & \mathrm{~F} \end{array}$ | $\begin{array}{lllllll} Z & C & I & W & I & W & C \\ \text { I W } & S & F & & & \end{array}$ | $\begin{array}{llllll} \hline Z & I & D & W & D & W \\ C & I & W & S & F & \end{array}$ | $\begin{array}{\|llllll} \hline Z & C & D & W & D & W \\ C & D & W & S & F & \\ \hline \end{array}$ | $\begin{aligned} & \text { Z IK WCOD } \\ & \text { WCDW S F } \end{aligned}$ |  |
| 29 | Z C D W S F | $\begin{array}{lllll} \mathrm{Z} & C & D & \text { W I W } \\ \text { S F } \end{array}$ | $\begin{array}{llllll} \text { z C } & \text { I } & \text { W } & \text { I } & \text { w } \\ \text { I w } & \text { S } & F & & \end{array}$ | $\begin{array}{l\|lllll} \hline z & I & D & W & D & w \\ C & I & W & S & F & \\ \hline \end{array}$ | $\begin{array}{\|llllll} \hline Z & C & D & W & D & W \\ C & D & W & S & F & \\ \hline \end{array}$ | Z I K W C D W C D W S F |  |
| 30 | Z C D W S F | $\begin{array}{lll} \hline \text { Z C C W I W } \\ \text { S F } \end{array}$ | $\begin{array}{lccc:cc} z & C & I & w & I & w \\ \text { I } & w & s & F & & \end{array}$ | $\begin{array}{llllll} \hline z & I & D & W & D & w \\ C & I & W & S & F & \end{array}$ | $\begin{array}{\|llllll} \hline Z & C & D & W & D & W \\ C & D & W & S & F & \\ \hline \end{array}$ | $\begin{array}{\|l\|l} \hline Z I K W C D \\ W & \text { C D W S F } \end{array}$ |  |
| 31 | Z C I P S F | $\begin{array}{llllll} Z & C & \text { IP W C W } \\ \text { C } & \text { F } \end{array}$ | $\begin{array}{lllllll} \mathrm{Z} & \mathrm{C} & \text { I P I I P } \\ \mathrm{S} & \mathrm{~F} & & & \end{array}$ | $\begin{array}{llll} \hline Z & C & \text { I P I P W } \\ \text { C W S } \end{array}$ | $\begin{array}{\|lll} \hline Z & C & I \\ \text { P } & \text { S } & \text { F } \end{array}$ | $\begin{aligned} & \hline Z C_{1} \text { I P V PIP } \\ & \text { V P F } \end{aligned}$ |  |
| 32 | Z C I P S F | $\begin{aligned} & \text { Z C I P W C W } \\ & \text { C S F } \end{aligned}$ | $\begin{array}{ll} \mathrm{Z} C\\|P\\| P \\ S & \mathrm{~F} \end{array}$ | Z W C I P I P WC WCS F |  | $\begin{array}{lllllll} Z & C & I & P & P & I \\ P & I & V & S & F & \end{array}$ |  |
| 33 | $\begin{array}{llllll} \mathrm{Z} & \mathrm{~W} & \mathrm{C} & \mathrm{w} & \mathrm{C} & \mathrm{w} \\ \mathrm{C} & \mathrm{~S} & \mathrm{~F} & & & \end{array}$ | $\begin{aligned} & \text { Z C I P W C W } \\ & \text { C } \mathrm{S} \\ & \mathrm{~F} \end{aligned}$ | $\begin{array}{ll} \hline \mathrm{Z} & \mathrm{C} \\| \mathrm{P} \text { I P } \\ \mathrm{S} & \mathrm{~F} \end{array}$ | $\begin{array}{lllllll} \hline Z & W & C & I & P & I & P \\ W & C & W & C & S & F \end{array}$ | $\mathrm{Z} \text { C I P I P I P }$ | $\begin{aligned} & \text { ZCIPIPIP } \\ & \text { IVSG } \end{aligned}$ |  |
| 34 | $\begin{array}{llllll} \mathrm{Z} & \mathrm{~W} & \mathrm{C} & \text { P W C } \\ \mathrm{S} & \mathrm{~F} & & \end{array}$ | $\begin{array}{lllll}  \\ Z & C & P & C & W \\ C & S & F & \end{array}$ | $\begin{array}{llllll} \hline Z & W & C & P & C & P \\ C & W & S & F & \end{array}$ | $\begin{aligned} & \text { Z W C P P C P C } \\ & \text { P S F } \end{aligned}$ | $\begin{aligned} & \text { Z W C P C P } \\ & \text { C P S F } \end{aligned}$ | $\begin{aligned} & \text { ZWC P C P C } \\ & \text { PC PS F } \end{aligned}$ |  |
| 35 |  | Z W C P W C W C S F | $\begin{array}{lllll} \hline \text { Z } & \text { W C C } & \text { P } \\ \hline \end{array}$ | Z W C P C P C W S F | $\begin{array}{lllll} Z & W & C & P & C \\ C & P & \text { S } \end{array}$ | Z W C P C P <br> C P C P S F |  |
| 40 | Z Wg L F | Z Wg L Z L F |  |  |  |  |  |

NAVIGATION MARKS AND OBSTRUCTIONS
The Navigation Marks in and around Howth Sound shall be left as follows-
South Rowan: to be passed to the West and South Rowan Rocks: to be passed to the East and South
Any part of Ireland's Eye capable of being touched by a boat while racing is designated as an obstruction to sea room.
Competitors are reminded of a trawler wreck in Howth Sound, south of the Carrgran Rocks on Ireland's Eye, which is submerged at most stages of the tide.
Boats racing in the vicinity of Baldoyle Spit shall sail North and East of the Spit Mark (S).


Racing Marks 2006 (Approximate)

|  |  |  |  | Latitude (N) |  |  | Longitude (W) |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :---: |
| ID | Name | Shape | Colour | Deg | Min | Deg |  | Min |  |
|  |  |  |  |  |  |  |  |  |  |
| A | Apex | Conical | Black | 53 | 26.76 | 06 | 03.26 |  |  |
| B | Balscadden | Conical | Orange | 53 | 23.30 | 06 | 03.26 |  |  |
| C | Cush | Conical | Black | 53 | 24.50 | 06 | 05.44 |  |  |
| D | Dungeon | Conical | Yellow | 53 | 24.73 | 06 | 03.85 |  |  |
| E | East | Conical | Black | 53 | 26.00 | 06 | 02.20 |  |  |
| F | Finish | Cylindrical | Orange | 53 | 24.12 | 06 | 04.33 |  |  |
| G | Garbh | Conical | Black | 53 | 25.00 | 06 | 02.32 |  |  |
| H | Hub | Conical | Black | 53 | 25.71 | 06 | 04.43 |  |  |
| I | Island | Conical | Black | 53 | 24.70 | 06 | 04.36 |  |  |
| J | Thulla | Conical | Black | 53 | 23.80 | 06 | 03.40 |  |  |
| K | Stack | Conical | Black | 53 | 24.60 | 06 | 03.11 |  |  |
| M | Malahide | Conical | Black | 53 | 27.23 | 06 | 05.59 |  |  |
| N | North | Conical | Black | 53 | 27.99 | 06 | 03.40 |  |  |
| O | Osprey | Conical | Orange | 53 | 25.41 | 06 | 03.52 |  |  |
| P | Portmarnock | Conical | Black | 53 | 25.89 | 06 | 06.30 |  |  |
| Q | Rowan Rocks | IALA | Black | 53 | 23.88 | 06 | 03.22 |  |  |
| R | South Rowan | IALA | Green | 53 | 23.78 | 06 | 03.88 |  |  |
| S | Spit | Conical | Black | 53 | 24.35 | 06 | 04.48 |  |  |
| T | Talbot | Conical | Black | 53 | 27.31 | 06 | 01.30 |  |  |
| U | Ulysses | Conical | Orange | 53 | 26.22 | 06 | 04.97 |  |  |
| V | Viceroy | Conical | Orange | 53 | 25.12 | 06 | 04.78 |  |  |
| W | West | Conical | Black | 53 | 24.96 | 06 | 06.07 |  |  |
| X | Xebec | Barrel | Black | 53 | 24.12 | 06 | 04.33 |  |  |
| Z | Zephyr | Spherical | Yellow |  | Upwind of Start Line |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

## COURSE SELECTION

1). Courses will be designated by three numeral boards.
2). The first two boards will indicate the beat. ie $07=070^{\circ}$
3). The third board indicates the column number across the top of the page.
Therefore Course 073 is the third course in from the left on line 07.

|  |  |
| :--- | :---: |
| TIDES | H W |
| Sunday, September 17th | 8.47 |
| Sunday, September 24th | 13.18 |
| Sunday, October 1st | 6.30 |
| Sunday, October 8th | 12.59 |
| Sunday, October 15th | 7.04 |
| Saturday, October 21st | 11.58 |


| Olympic Style Courses - Row 40 |  |  |  | Note for row 40 <br> Mark $F$ (Finish Mark) is positioned up-wind of Last mark. <br> Mark L positioned downwind of D |
| :---: | :---: | :---: | :---: | :---: |
| ID | ME | SHAPE | OLOUR |  |
| D | Distance | Round | Orange |  |
| z | Windward | Spherical | Yellow |  |
| Wg | Wing | Round | Yellow |  |
| L | Leeward | Round | Orange |  |

## 2006 Race Marks - Relative Bearings Table - Magnetic (Approx)

|  | A | B | C | D | E | G | H | 1 | J | K | M | N | 0 | P | Q | S | T | U | V | w |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A |  | $186^{\circ}$ | $216^{\circ}$ | $196^{\circ}$ | $146{ }^{\circ}$ | $168^{\circ}$ | $220^{\circ}$ | $207^{\circ}$ | $188^{\circ}$ | $184^{\circ}$ | $295{ }^{\circ}$ | 002 ${ }^{\circ}$ | $192^{\circ}$ | $250{ }^{\circ}$ | $185^{\circ}$ | $203{ }^{\circ}$ | $071{ }^{\circ}$ | $248{ }^{\circ}$ | $215^{\circ}$ | 229 ${ }^{\circ}$ |
| B | 006 ${ }^{\circ}$ |  | $319^{\circ}$ | $352^{\circ}$ | 019 ${ }^{\circ}$ | 024 ${ }^{\circ}$ | $350{ }^{\circ}$ | $336{ }^{\circ}$ | $357^{\circ}$ | 010 ${ }^{\circ}$ | $347^{\circ}$ | $005{ }^{\circ}$ | 002 ${ }^{\circ}$ | $331{ }^{\circ}$ | 010 ${ }^{\circ}$ | $331{ }^{\circ}$ | 022 ${ }^{\circ}$ | $347^{\circ}$ | $340^{\circ}$ | $321{ }^{\circ}$ |
| C | 036 ${ }^{\circ}$ | $139^{\circ}$ |  | 084 ${ }^{\circ}$ | 058 ${ }^{\circ}$ | $081{ }^{\circ}$ | 032 ${ }^{\circ}$ | 077 ${ }^{\circ}$ | $126^{\circ}$ | 092 ${ }^{\circ}$ | 004 ${ }^{\circ}$ | 025 ${ }^{\circ}$ | 058 ${ }^{\circ}$ | $346{ }^{\circ}$ | $121^{\circ}$ | $111^{\circ}$ | 047* | 015 ${ }^{\circ}$ | 038 ${ }^{\circ}$ | $327^{\circ}$ |
| D | $016{ }^{\circ}$ | $172^{\circ}$ | 264 ${ }^{\circ}$ |  | 043 ${ }^{\circ}$ | 078 ${ }^{\circ}$ | $347^{\circ}$ | 272 ${ }^{\circ}$ | $170^{\circ}$ | $110^{\circ}$ | $344{ }^{\circ}$ | $011^{\circ}$ | $023{ }^{\circ}$ | $315^{\circ}$ | $161^{\circ}$ | $233^{\circ}$ | 036 ${ }^{\circ}$ | $342^{\circ}$ | $312^{\circ}$ | $287^{\circ}$ |
| E | $326{ }^{\circ}$ | $199^{\circ}$ | $238{ }^{\circ}$ | $223{ }^{\circ}$ |  | $190^{\circ}$ | 264 ${ }^{\circ}$ | $233^{\circ}$ | 204 ${ }^{\circ}$ | 207* | $307^{\circ}$ | $346{ }^{\circ}$ | $238{ }^{\circ}$ | $273^{\circ}$ | 202 ${ }^{\circ}$ | $225^{\circ}$ | 028 ${ }^{\circ}$ | $284{ }^{\circ}$ | 246 ${ }^{\circ}$ | 252 ${ }^{\circ}$ |
| G | $348{ }^{\circ}$ | 204 ${ }^{\circ}$ | $261^{\circ}$ | 258 ${ }^{\circ}$ | 010 ${ }^{\circ}$ |  | $305{ }^{\circ}$ | $263{ }^{\circ}$ | $214{ }^{\circ}$ | $236{ }^{\circ}$ | $325{ }^{\circ}$ | $354{ }^{\circ}$ | $306{ }^{\circ}$ | 297* ${ }^{\circ}$ | $211^{\circ}$ | $249{ }^{\circ}$ | $021{ }^{\circ}$ | $314{ }^{\circ}$ | $281{ }^{\circ}$ | $275^{\circ}$ |
| H | 040 ${ }^{\circ}$ | $170^{\circ}$ | 212 ${ }^{\circ}$ | $167^{\circ}$ | 084 ${ }^{\circ}$ | $125^{\circ}$ |  | $191^{\circ}$ | $168^{\circ}$ | $151^{\circ}$ | $342^{\circ}$ | $021{ }^{\circ}$ | $125^{\circ}$ | 285 ${ }^{\circ}$ | $164^{\circ}$ | $187^{\circ}$ | 055 ${ }^{\circ}$ | $334{ }^{\circ}$ | $205^{\circ}$ | $238{ }^{\circ}$ |
| 1 | 027 ${ }^{\circ}$ | $156^{\circ}$ | 2570 | 092 ${ }^{\circ}$ | $053{ }^{\circ}$ | $083{ }^{\circ}$ | $011{ }^{\circ}$ |  | $148^{\circ}$ | $101^{\circ}$ | $353^{\circ}$ | $018{ }^{\circ}$ | 048 ${ }^{\circ}$ | $326{ }^{\circ}$ | $140^{\circ}$ | $177^{\circ}$ | $043{ }^{\circ}$ | $357^{\circ}$ | $350{ }^{\circ}$ | 293 ${ }^{\circ}$ |
| J | 008 ${ }^{\circ}$ | $177^{\circ}$ | $306{ }^{\circ}$ | $350^{\circ}$ | 024 ${ }^{\circ}$ | $034{ }^{\circ}$ | $348{ }^{\circ}$ | $328{ }^{\circ}$ |  | 018 ${ }^{\circ}$ | $345^{\circ}$ | 006 ${ }^{\circ}$ | 004 ${ }^{\circ}$ | $326{ }^{\circ}$ | 062 ${ }^{\circ}$ | $317^{\circ}$ | 026 ${ }^{\circ}$ | $345^{\circ}$ | $334{ }^{\circ}$ | $312^{\circ}$ |
| K | 004 ${ }^{\circ}$ | $190^{\circ}$ | 272 ${ }^{\circ}$ | 290 ${ }^{\circ}$ | 027 ${ }^{\circ}$ | 056 ${ }^{\circ}$ | $331{ }^{\circ}$ | $281{ }^{\circ}$ | $198^{\circ}$ |  | $337^{\circ}$ | 003 ${ }^{\circ}$ | $350{ }^{\circ}$ | $310^{\circ}$ | $190^{\circ}$ | 259 ${ }^{\circ}$ | 028 ${ }^{\circ}$ | $332^{\circ}$ | $304{ }^{\circ}$ | 288 ${ }^{\circ}$ |
| M | $115^{\circ}$ | $167^{\circ}$ | $184^{\circ}$ | $164^{\circ}$ | $127^{\circ}$ | $145{ }^{\circ}$ | $162^{\circ}$ | $173^{\circ}$ | $165^{\circ}$ | $157^{\circ}$ |  | 066 ${ }^{\circ}$ | 152 ${ }^{\circ}$ | 204 ${ }^{\circ}$ | $163^{\circ}$ | $173^{\circ}$ | 094 ${ }^{\circ}$ | $166^{\circ}$ | $173^{\circ}$ | $193^{\circ}$ |
| N | 182 ${ }^{\circ}$ | $185^{\circ}$ | 205 ${ }^{\circ}$ | $191^{\circ}$ | $166^{\circ}$ | $174{ }^{\circ}$ | $201{ }^{\circ}$ | $198^{\circ}$ | $186^{\circ}$ | $183^{\circ}$ | 246 ${ }^{\circ}$ |  | $187^{\circ}$ | $225{ }^{\circ}$ | $184^{\circ}$ | $196{ }^{\circ}$ | $125^{\circ}$ | 214* | 202 ${ }^{\circ}$ | 214* |
| 0 | 012 ${ }^{\circ}$ | 182 ${ }^{\circ}$ | $238{ }^{\circ}$ | $203{ }^{\circ}$ | 058 ${ }^{\circ}$ | $126^{\circ}$ | $305{ }^{\circ}$ | 228 ${ }^{\circ}$ | $184^{\circ}$ | $170^{\circ}$ | $332^{\circ}$ | 007* |  | 2920 | $180^{\circ}$ | 215 ${ }^{\circ}$ | 040 ${ }^{\circ}$ | $319^{\circ}$ | $256{ }^{\circ}$ | 260 ${ }^{\circ}$ |
| $\mathbf{P}$ | 070 ${ }^{\circ}$ | $151^{\circ}$ | $166^{\circ}$ | $135^{\circ}$ | 093 ${ }^{\circ}$ | $117^{\circ}$ | $105^{\circ}$ | $146^{\circ}$ | $146{ }^{\circ}$ | $130^{\circ}$ | 024 ${ }^{\circ}$ | 045 ${ }^{\circ}$ | 112 ${ }^{\circ}$ |  | $143^{\circ}$ | $151^{\circ}$ | $071{ }^{\circ}$ | $073^{\circ}$ | $136{ }^{\circ}$ | $178^{\circ}$ |
| Q | 005 ${ }^{\circ}$ | $190^{\circ}$ | $301^{\circ}$ | $341^{\circ}$ | 022 ${ }^{\circ}$ | $031{ }^{\circ}$ | $344^{\circ}$ | $320^{\circ}$ | 242 ${ }^{\circ}$ | 010 ${ }^{\circ}$ | $343^{\circ}$ | 004 ${ }^{\circ}$ | $360^{\circ}$ | $323^{\circ}$ |  | $308{ }^{\circ}$ | 024 ${ }^{\circ}$ | $342^{\circ}$ | $329{ }^{\circ}$ | $308^{\circ}$ |
| s | 023 ${ }^{\circ}$ | $151^{\circ}$ | $291^{\circ}$ | 053 ${ }^{\circ}$ | 045 ${ }^{\circ}$ | 069 ${ }^{\circ}$ | $007{ }^{\circ}$ | $357^{\circ}$ | $137^{\circ}$ | 079 ${ }^{\circ}$ | $353{ }^{\circ}$ | 016 ${ }^{\circ}$ | $035{ }^{\circ}$ | $331{ }^{\circ}$ | $128^{\circ}$ |  | 039 ${ }^{\circ}$ | $357{ }^{\circ}$ | $353{ }^{\circ}$ | $309{ }^{\circ}$ |
| T | $251{ }^{\circ}$ | 202 ${ }^{\circ}$ | 227 ${ }^{\circ}$ | $216^{\circ}$ | 208 ${ }^{\circ}$ | $201{ }^{\circ}$ | $235{ }^{\circ}$ | $223{ }^{\circ}$ | $206{ }^{\circ}$ | $208{ }^{\circ}$ | $274{ }^{\circ}$ | $305{ }^{\circ}$ | $220^{\circ}$ | $251^{\circ}$ | 204 ${ }^{\circ}$ | 219 ${ }^{\circ}$ |  | $249^{\circ}$ | $229{ }^{\circ}$ | 236 ${ }^{\circ}$ |
| U | 068 ${ }^{\circ}$ | $167^{\circ}$ | $195^{\circ}$ | $162^{\circ}$ | $104^{\circ}$ | $134^{\circ}$ | $154{ }^{\circ}$ | $177^{\circ}$ | $165^{\circ}$ | $152^{\circ}$ | $346{ }^{\circ}$ | 034 ${ }^{\circ}$ | $139^{\circ}$ | $253^{\circ}$ | $162^{\circ}$ | $177^{\circ}$ | 069 ${ }^{\circ}$ |  | $180^{\circ}$ | $213^{\circ}$ |
| v | 035 ${ }^{\circ}$ | $160^{\circ}$ | 218 ${ }^{\circ}$ | $132^{\circ}$ | 066 ${ }^{\circ}$ | $101{ }^{\circ}$ | 025 ${ }^{\circ}$ | $170^{\circ}$ | $154{ }^{\circ}$ | $124^{\circ}$ | $353^{\circ}$ | 022 ${ }^{\circ}$ | 076 ${ }^{\circ}$ | $316{ }^{\circ}$ | $149^{\circ}$ | $173^{\circ}$ | 049 ${ }^{\circ}$ | $000{ }^{\circ}$ |  | 264 ${ }^{\circ}$ |
| w | 049 ${ }^{\circ}$ | $141^{\circ}$ | $147^{\circ}$ | $107^{\circ}$ | 072 ${ }^{\circ}$ | 095 ${ }^{\circ}$ | 058 ${ }^{\circ}$ | $113^{\circ}$ | $132^{\circ}$ | $108{ }^{\circ}$ | $013^{\circ}$ | 034 ${ }^{\circ}$ | 080 ${ }^{\circ}$ | $358{ }^{\circ}$ | $128^{\circ}$ | $129{ }^{\circ}$ | 056 ${ }^{\circ}$ | 033 ${ }^{\circ}$ | $084{ }^{\circ}$ |  |

