

Flotilla for Reaper's return to Anstruther, Vessel Sailing Durations and Time Status as at Sat 29 June 19 - Rev 09

Proposed Date for Flotilla for Reapers Return to Anstruther is Thursday 04 July 19. [TBC - To Be Confirmed]

Final decision for Reaper to sail to Anstruther is made by the Reaper Skipper, based on Weather, Tides and suitability

Proposal is for Flotilla to assemble off Elie Ness, TBC - Timing To Be Confirmed during June 19

Anstruther Tides on 04 July 19 - Low Tide : BST 10.22 @ 0.8m, High Tide : BST 16.27 @ 5.4m

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Sail from Rosyth to Elie Ness at cruising speed of Reaper at 8 Knots. Distance = 29 miles

Low Tide, Rosyth : BST 10.20 @ 0.8m, so sailing down stream against the Incoming Tide

Rosyth Outer Lock Gate opens at 10.30 to allow Reaper to start sail to Anstruther.

Assume that Incoming Tide has an average speed of 1 Knot. TBC

So speed over the ground = $8 - 1 = 7$ Knots

Duration to sail from Rosyth to Elie Ness at 7 Knots = $29 \text{ miles} / 7 \text{ Knots} = \text{approx } 4 \text{ hours}$ for Reaper

Arrival of Reaper at Elie Ness at 4 Knots = $10.30 + 4\text{hrs} = 14.30$, with Flotilla Assemble off Elie Ness at 14.30

For arrival of Reaper + Flotilla at Anstruther at approx 15.45, Cruising Speed = 5 Knots

Sail from Elie Ness to Anstruther at cruising speed of slowest vessel [White Wing] at 5 Knots. Distance = approx 5 miles

So speed over the ground = $5 - 1$ [due to incoming tide] = 4 Knots

Duration to sail from Elie Ness to Anstruther at 4 Knots = $5 \text{ miles} / 4 \text{ Knots} = \text{approx } 1 \text{ \& } 1/4 \text{ hour}$ for White Wing

Arrival at Anstruther at cruising speed of 5 Knots = $14.30 + 1.25\text{hrs} = 15.45$ approx

Reaper moored alongside pontoon in Anstruther Harbour at 16.00