

# CROUCH HARBOUR AUTHORITY River Crouch Buoyage Improvements Summer 2011

Based on survey data by Port of London Authority, for Crossrail, 2010. Buoyage is intended to emphasise the four metre LAT contour. This gives a clearer indication of the river channel than the Admiralty chart which is based on 5 metre contour. New editions of the Admiralty and Imray charts are being produced.

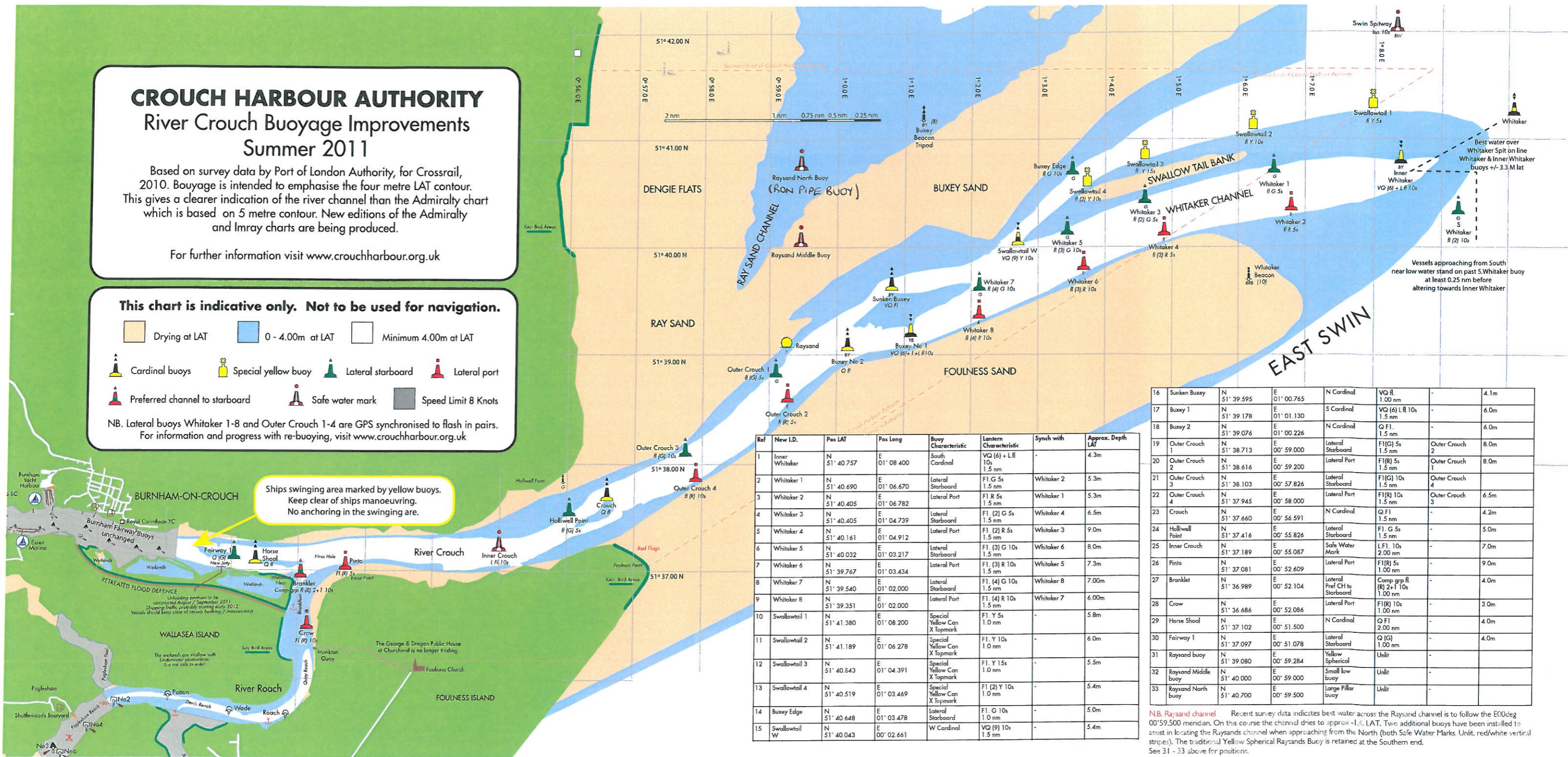
For further information visit [www.crouchharbour.org.uk](http://www.crouchharbour.org.uk)

**This chart is indicative only. Not to be used for navigation.**

- Drying at LAT
- 0 - 4.00m at LAT
- Minimum 4.00m at LAT
- Cardinal buoys
- Special yellow buoy
- Lateral starboard
- Lateral port
- Preferred channel to starboard
- Safe water mark
- Speed Limit 8 Knots

NB. Lateral buoys Whitaker 1-8 and Outer Crouch 1-4 are GPS synchronised to flash in pairs. For information and progress with re-buoysing, visit [www.crouchharbour.org.uk](http://www.crouchharbour.org.uk)

Ships swinging area marked by yellow buoys.  
Keep clear of ships manoeuvring.  
No anchoring in the swinging are.



Ref	New I.D.	Pos LAT	Pos Long	Buoy Characteristic	Lantern Characteristic	Synch with	Approx. Depth LAT
1	Inner Whitaker	N 51° 40.757	E 01° 08.400	South Cardinal	VQ (6) + L fl 10s 1.5 nm	-	4.3m
2	Whitaker 1	N 51° 40.690	E 01° 06.670	Lateral Starboard	F1, G 5s 1.5 nm	Whitaker 2	5.3m
3	Whitaker 2	N 51° 40.405	E 01° 06.782	Lateral Port	F1, R 5s 1.5 nm	Whitaker 1	5.3m
4	Whitaker 3	N 51° 40.405	E 01° 04.739	Lateral Starboard	F1, (2) G 5s 1.5 nm	Whitaker 4	6.5m
5	Whitaker 4	N 51° 40.161	E 01° 04.912	Lateral Port	F1, (2) R 5s 1.5 nm	Whitaker 3	9.0m
6	Whitaker 5	N 51° 40.032	E 01° 03.217	Lateral Starboard	F1, (3) G 10s 1.5 nm	Whitaker 6	8.0m
7	Whitaker 6	N 51° 39.767	E 01° 03.434	Lateral Port	F1, (3) R 10s 1.5 nm	Whitaker 5	7.3m
8	Whitaker 7	N 51° 39.540	E 01° 02.000	Lateral Starboard	F1, (4) G 10s 1.5 nm	Whitaker 8	7.00m
9	Whitaker 8	N 51° 39.351	E 01° 02.000	Lateral Port	F1, (4) R 10s 1.5 nm	Whitaker 7	6.00m
10	Swallowtail 1	N 51° 41.380	E 01° 08.200	Special Yellow Can X Topmark	F1, Y 5s 1.0 nm	-	5.8m
11	Swallowtail 2	N 51° 41.189	E 01° 06.278	Special Yellow Can X Topmark	F1, Y 10s 1.0 nm	-	6.0m
12	Swallowtail 3	N 51° 40.843	E 01° 04.391	Special Yellow Can X Topmark	F1, Y 15s 1.0 nm	-	5.5m
13	Swallowtail 4	N 51° 40.519	E 01° 03.469	Special Yellow Can X Topmark	F1, Y 10s 1.0 nm	-	5.4m
14	Buxey Edge	N 51° 40.648	E 01° 03.478	Lateral Starboard	F1, G 10s 1.0 nm	-	5.0m
15	Swallowtail W	N 51° 40.043	E 00° 02.661	W Cardinal	VQ (9) 10s 1.5 nm	-	5.4m

16	Sunken Buxey	N 51° 39.595	E 01° 00.765	N Cardinal	VQ fl 1.00 nm	-	4.1m
17	Buxey 1	N 51° 39.178	E 01° 01.130	S Cardinal	VQ (6) L fl 10s 1.5 nm	-	6.0m
18	Buxey 2	N 51° 39.076	E 01° 00.226	N Cardinal	Q F1 1.5 nm	-	6.0m
19	Outer Crouch 1	N 51° 38.713	E 00° 59.000	Lateral Starboard	F1(G) 5s 1.5 nm	Outer Crouch 2	8.0m
20	Outer Crouch 2	N 51° 38.616	E 00° 59.200	Lateral Port	F1(R) 5s 1.5 nm	Outer Crouch 1	8.0m
21	Outer Crouch 3	N 51° 38.103	E 00° 57.826	Lateral Starboard	F1(G) 10s 1.5 nm	Outer Crouch 4	
22	Outer Crouch 4	N 51° 37.945	E 00° 58.000	Lateral Port	F1(R) 10s 1.5 nm	Outer Crouch 3	6.5m
23	Crouch	N 51° 37.660	E 00° 56.591	N Cardinal	Q F1 1.5 nm	-	4.2m
24	Hollwell Point	N 51° 37.416	E 00° 55.826	Lateral Starboard	F1, G 5s 1.5 nm	-	5.0m
25	Inner Crouch	N 51° 37.189	E 00° 55.087	Safe Water Mark	L F1, 10s 2.00 nm	-	7.0m
26	Pinto	N 51° 37.081	E 00° 52.609	Lateral Port	F1(R) 5s 1.00 nm	-	9.0m
27	Branklet	N 51° 36.989	E 00° 52.104	Lateral Pref CH to Starboard	Comp grp fl (R) 2+1 10s 1.00 nm	-	4.0m
28	Crow	N 51° 36.686	E 00° 52.086	Lateral Port	F1(R) 10s 1.00 nm	-	3.0m
29	Horse Shoal	N 51° 37.102	E 00° 51.500	N Cardinal	Q F1 2.00 nm	-	4.0m
30	Fairway 1	N 51° 37.097	E 00° 51.078	Lateral Starboard	Q (G) 1.00 nm	-	4.0m
31	Raysand buoy	N 51° 39.080	E 00° 59.284	Yellow Spherical	Unlit	-	-
32	Raysand Middle buoy	N 51° 40.000	E 00° 59.000	Small low buoy	Unlit	-	-
33	Raysand North buoy	N 51° 40.700	E 00° 59.500	Large Pillar buoy	Unlit	-	-

N.B. Raysand channel - Recent survey data indicates best water across the Raysand channel is to follow the E00deg 00'59.500 meridian. On this course the channel dries to approx -1.4m LAT. Two additional buoys have been installed to assist in locating the Raysands channel when approaching from the North (both Safe Water Marks. Unlit. red/white vertical stripes). The traditional Yellow Spherical Raysands Buoy is retained at the Southern end. See 31 - 33 above for positions.