

# CROUCH HARBOUR AUTHORITY

## River Crouch Buoyage Improvements Summer 2011

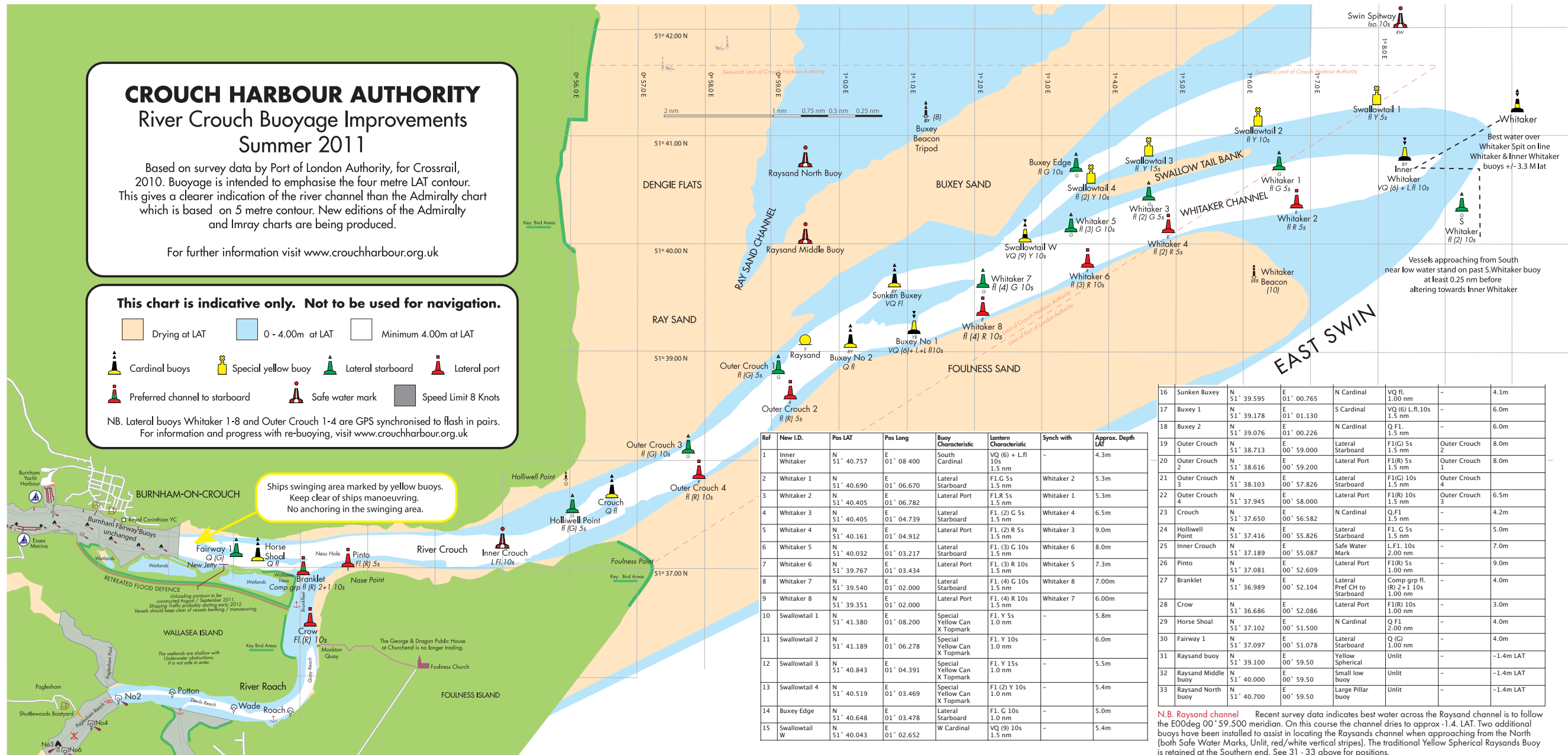
Based on survey data by Port of London Authority, for Crossrail, 2010. Buoyage is intended to emphasise the four metre LAT contour. This gives a clearer indication of the river channel than the Admiralty chart which is based on 5 metre contour. New editions of the Admiralty and Imray charts are being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



Ref	New ID.	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.FI 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. (2) 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 01° 02.652	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.FI.10s 1.5 nm	-	6.0m
18	Buxey 2	N 51° 39.076	E 01° 00.226	N Cardinal	Q.FI. 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° 37.650	E 00° 56.582	N Cardinal	Q.FI. 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.FI. 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.FI. 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° 39.100	E 00° 59.50	Yellow Spherical	Unlit	-	-1.4m LAT
32	Raysand Middle buoy	N 51° 40.000	E 00° 59.50	Small low buoy	Unlit	-	-1.4m LAT
33	Raysand North buoy	N 51° 40.700	E 00° 59.50	Large Pillar buoy	Unlit	-	-1.4m LAT

**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 -1.4. 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.