

OIKOS MARINE & SOUTH SIDE DEVELOPMENT



PRELIMINARY ENVIRONMENTAL INFORMATION REPORT
VOLUME 2

Appendix 12.3: Description of Receptor Points

PINS Reference TR030004
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Appendix 12.3 Description of Receptor Locations

- 1.1 The receptor locations referred to in Chapter 12 of the OMSSD PEIR are described in Table 12.1 of this Appendix. The locations of the receptors are presented in Figure 12.3 of the OMSSD PEIR.

Table 12.1: Description of Receptor Locations

Receptor	Location	X Coordinate	Y Coordinate	Modelled Height (m)
Human Health Receptors				
HH_1	29 Haven Quays	577389.6	182302.0	1.5
HH_2	Haven Quays	577312.6	182262.3	1.5
HH_3	Haven Quays	577298.3	182172.3	1.5
HH_4	Haven Quays	577336.6	182165.2	1.5
HH_5	Haven Quays	577356.1	182161.5	1.5
HH_6	Haven Quays	577375.8	182157.9	1.5
HH_7	66 Hawkesbury Road	578473.2	182833.7	1.5
HH_8	29 Deepwater Road	578158.2	183000.3	1.5
HH_9	13 Vicarage Close	578007.4	183020.1	1.5
HH_10	15 Haven Road	578005.3	183175.6	1.5
HH_11	42 Haven Road	577872.6	183010.8	1.5
HH_12	62 Haven Road	577780.1	182888.1	1.5
HH_13	26 Ormsby Road	577678.2	182963.6	1.5
HH_14	1 Holland Avenue	577645.4	184106.2	1.5
HH_15	Great Russell Head Farm	577797.3	184424.9	1.5
HH_16	6 Waterside Cottages	577853.0	184897.0	1.5
HH_17	5 Waterside Cottages	577857.0	184909.2	1.5
HH_18	12 Romsey Road	576414.3	188349.6	1.5
HH_19	2a London Road	576407.0	188428.5	1.5
HH_20	Gordon Villa	576369.1	188464.1	1.5
HH_21	1 and 2 Sadlers Villa	576355.8	188461.8	1.5
HH_22	Sadlers Hall Farm	576167.3	188451.5	1.5
HH_23	Sadlers Park	576120.3	188343.5	1.5
HH_24	Dairykin, A13	574343.1	188149.3	1.5
HH_25	48 Avondale Road	573205.7	187536.7	1.5
HH_26	13 The Meads	573128.6	187506.2	1.5

Receptor	Location	X Coordinate	Y Coordinate	Modelled Height (m)
HH_27	43 Elmtree Road	573031.0	187467.0	1.5
HH_28	46 Ramsay Drive	572444.9	187061.4	1.5
HH_29	68 Merricks Lane	572127.3	186889.0	1.5
HH_30	40 Park Road	567792.9	182423.8	1.5
HH_31	Talford, A13	567446.3	182120.1	1.5
HH_32	6 Woolings Close	563561.1	180865.2	1.5
HH_33	2 Mardyke Walk	561039.5	180520.9	1.5
HH_34	Warren Farm (North Stifford AQMA)	560102.4	179893.7	1.5
HH_35	Lydden (North Stifford AQMA)	560031.0	179870.0	1.5
HH_36	North Stifford Mobile Homes	559651.5	179763.1	1.5
HH_37	North Stifford Mobile Homes 2	559636.3	179763.3	1.5
HH_38	36 Hornbeams	576789.6	189605.5	1.5
Specific Ecological Receptors				
E_1	Thames Estuary and Marshes SPA and Ramsar	576775.5	180344.1	1.5
E_2	Thames Estuary and Marshes SPA and Ramsar	577842.4	180451.8	1.5
E_3	Thames Estuary and Marshes SPA and Ramsar	578342.9	180517.8	1.5
E_4	Thames Estuary and Marshes SPA and Ramsar	578728.4	180551.8	1.5
E_5	Thames Estuary and Marshes SPA and Ramsar	579058.4	180572.3	1.5
E_6	Benfleet and Southend Marshes SPA and Ramsar	582466.8	182325.4	1.5
E_7	Benfleet and Southend Marshes SPA and Ramsar	582241.6	182958	1.5
E_8	Langdon Ridge SSSI	570630.5	186603.8	1.5
E_9	Langdon Ridge SSSI	570155.3	186057.1	1.5
E_10	Pitsea Marsh SSSI	573823.1	185758.8	1.5
E_11	Pitsea Marsh SSSI	573760.1	187268.5	1.5
E_12	Pitsea Marsh SSSI	574407.4	187481.8	1.5
E_13	Canvey Wick SSSI	576862.4	182949	1.5
E_14	Northwick Farm and Sea Wall LWS	576838.9	182920	1.5
E_15	Canvey Village Marsh LWS	577218.6	182240.2	1.5
E_16	Holehaven Creek SSSI	577216.5	182229.4	1.5
E_17	Holehaven Creek SSSI	577049.5	182136.8	1.5
E_18	Holehaven Creek SSSI	577002.1	182038.6	1.5

Receptor	Location	X Coordinate	Y Coordinate	Modelled Height (m)
E_19	Holehaven Creek SSSI	577278.8	182065.7	1.5
E_20	Holehaven Creek SSSI	577286.8	182086.6	1.5
E_21	South Thames Estuary and Marshes SSSI	576775.5	180344.1	1.5
E_22	South Thames Estuary and Marshes SSSI	577842.4	180451.8	1.5
E_23	South Thames Estuary and Marshes SSSI	578342.9	180517.8	1.5
E_24	South Thames Estuary and Marshes SSSI	578728.4	180551.8	1.5
E_25	South Thames Estuary and Marshes SSSI	579058.4	180572.3	1.5
Ecological Transect Receptors				
1_34	Vange and Fobbing Marshes SSSI (34 m from road edge)	572423.7	186966.8	1.5
1_39	Vange and Fobbing Marshes SSSI (39 m from road edge)	572426.4	186962.6	1.5
1_44	Vange and Fobbing Marshes SSSI (44 m from road edge)	572429.1	186958.4	1.5
1_49	Vange and Fobbing Marshes SSSI (49 m from road edge)	572431.8	186954.2	1.5
1_54	Vange and Fobbing Marshes SSSI (54 m from road edge)	572434.4	186950.0	1.5
1_59	Vange and Fobbing Marshes SSSI (59 m from road edge)	572437.1	186945.8	1.5
1_69	Vange and Fobbing Marshes SSSI (69 m from road edge)	572442.5	186937.3	1.5
1_79	Vange and Fobbing Marshes SSSI (79 m from road edge)	572447.9	186928.9	1.5
1_89	Vange and Fobbing Marshes SSSI (89 m from road edge)	572453.3	186920.5	1.5
1_99	Vange and Fobbing Marshes SSSI (99 m from road edge)	572458.7	186912.1	1.5
1_200	Vange and Fobbing Marshes SSSI (200 m from road edge)	572514.3	186827.0	1.5
2_1	Canvey Wick SSSI (1 m from eastern road edge)	576961.4	183050.3	1.5
2_2	Canvey Wick SSSI (2 m from eastern road edge)	576962.4	183050.7	1.5
2_3	Canvey Wick SSSI (3 m from eastern road edge)	576963.3	183051.0	1.5
2_4	Canvey Wick SSSI (4 m from eastern road edge)	576964.3	183051.4	1.5

Receptor	Location	X Coordinate	Y Coordinate	Modelled Height (m)
2_5	Canvey Wick SSSI (5 m from eastern road edge)	576965.2	183051.7	1.5
2_10	Canvey Wick SSSI (10 m from eastern road edge)	576969.8	183053.5	1.5
2_15	Canvey Wick SSSI (15 m from eastern road edge)	576974.5	183055.3	1.5
2_20	Canvey Wick SSSI (20 m from eastern road edge)	576979.1	183057.1	1.5
2_50	Canvey Wick SSSI (50 m from eastern road edge)	577007.1	183067.9	1.5
2_100	Canvey Wick SSSI (100 m from eastern road edge)	577053.8	183085.9	1.5
2_200	Canvey Wick SSSI (200 m from eastern road edge)	577147.1	183121.9	1.5
3_1	Canvey Wick SSSI (1 m from western road edge)	576939.1	183052.7	1.5
3_2	Canvey Wick SSSI (2 m from western road edge)	576938.1	183052.4	1.5
3_3	Canvey Wick SSSI (3 m from western road edge)	576937.1	183052.1	1.5
3_4	Canvey Wick SSSI (4 m from western road edge)	576936.2	183051.8	1.5
3_5	Canvey Wick SSSI (5 m from western road edge)	576935.3	183051.5	1.5
3_10	Canvey Wick SSSI (10 m from western road edge)	576930.5	183049.9	1.5
3_15	Canvey Wick SSSI (15 m from western road edge)	576925.8	183048.3	1.5
3_20	Canvey Wick SSSI (20 m from western road edge)	576921.0	183046.8	1.5
3_50	Canvey Wick SSSI (50 m from western road edge)	576892.4	183037.5	1.5
3_100	Canvey Wick SSSI (100 m from western road edge)	576844.9	183021.9	1.5
3_200	Canvey Wick SSSI (200 m from western road edge)	576749.9	182990.8	1.5
4_1	Canvey Village Marshes LWS (1 m from road edge)	577615.2	182629.6	1.5
4_2	Canvey Village Marshes LWS (2 m from road edge)	577614.4	182630.2	1.5
4_3	Canvey Village Marshes LWS (3 m from road edge)	577613.6	182630.7	1.5
4_4	Canvey Village Marshes LWS (4 m from road edge)	577612.8	182631.3	1.5

Receptor	Location	X Coordinate	Y Coordinate	Modelled Height (m)
4_5	Canvey Village Marshes LWS (5 m from road edge)	577611.9	182631.9	1.5
4_10	Canvey Village Marshes LWS (10 m from road edge)	577607.8	182634.7	1.5
4_20	Canvey Village Marshes LWS (20 m from road edge)	577599.6	182640.4	1.5
4_30	Canvey Village Marshes LWS (30 m from road edge)	577591.4	182646.1	1.5
4_40	Canvey Village Marshes LWS (40 m from road edge)	577583.1	182651.8	1.5
4_50	Canvey Village Marshes LWS (50 m from road edge)	577574.9	182657.5	1.5
4_100	Canvey Village Marshes LWS (100 m from road edge)	577533.8	182686	1.5
4_200	Canvey Village Marshes LWS (200 m from road edge)	577451.6	182743	1.5
5_1	Brick House Farm Marsh LWS (1 m from road edge)	577713.6	182756.1	1.5
5_2	Brick House Farm Marsh LWS (2 m from road edge)	577714.4	182755.6	1.5
5_3	Brick House Farm Marsh LWS (3 m from road edge)	577715.2	182755	1.5
5_4	Brick House Farm Marsh LWS (4 m from road edge)	577716.0	182754.4	1.5
5_5	Brick House Farm Marsh LWS (5 m from road edge)	577716.9	182753.8	1.5
5_10	Brick House Farm Marsh LWS (10 m from road edge)	577721.0	182751.0	1.5
5_20	Brick House Farm Marsh LWS (20 m from road edge)	577729.2	182745.4	1.5
5_30	Brick House Farm Marsh LWS (30 m from road edge)	577737.4	182739.7	1.5
5_40	Brick House Farm Marsh LWS (40 m from road edge)	577745.7	182734.1	1.5
5_50	Brick House Farm Marsh LWS (50 m from road edge)	577753.9	182728.4	1.5
5_100	Brick House Farm Marsh LWS (100 m from road edge)	577795.2	182700.1	1.5
5_200	Brick House Farm Marsh LWS (200 m from road edge)	577877.6	182643.5	1.5
6_1	West Canvey Marshes LWS (1 m from western road edge)	577338.7	184079.7	1.5
6_2	West Canvey Marshes LWS (2 m from western road edge)	577338.3	184080.6	1.5

Receptor	Location	X Coordinate	Y Coordinate	Modelled Height (m)
6_3	West Canvey Marshes LWS (3 m from western road edge)	577337.9	184081.5	1.5
6_4	West Canvey Marshes LWS (4 m from western road edge)	577337.5	184082.5	1.5
6_5	West Canvey Marshes LWS (5 m from western road edge)	577337.1	184083.4	1.5
6_10	West Canvey Marshes LWS (10 m from western road edge)	577335.2	184088.0	1.5
6_20	West Canvey Marshes LWS (20 m from western road edge)	577331.2	184097.2	1.5
6_30	West Canvey Marshes LWS (30 m from western road edge)	577327.3	184106.3	1.5
6_40	West Canvey Marshes LWS (40 m from western road edge)	577323.3	184115.5	1.5
6_50	West Canvey Marshes LWS (50 m from western road edge)	577319.4	184124.7	1.5
6_100	West Canvey Marshes LWS (100 m from western road edge)	577299.6	184170.6	1.5
6_200	West Canvey Marshes LWS (200 m from western road edge)	577260.1	184262.5	1.5
7_1	West Canvey Marshes LWS (1 m from western road edge)	577786.3	184677.9	1.5
7_2	West Canvey Marshes LWS (2 m from western road edge)	577785.3	184678.1	1.5
7_3	West Canvey Marshes LWS (3 m from western road edge)	577784.3	184678.4	1.5
7_4	West Canvey Marshes LWS (4 m from western road edge)	577783.4	184678.7	1.5
7_5	West Canvey Marshes LWS (5 m from western road edge)	577782.4	184679.0	1.5
7_10	West Canvey Marshes LWS (10 m from western road edge)	577777.6	184680.4	1.5
7_20	West Canvey Marshes LWS (20 m from western road edge)	577768.1	184683.3	1.5
7_30	West Canvey Marshes LWS (30 m from western road edge)	577758.4	184686.1	1.5
7_40	West Canvey Marshes LWS (40 m from western road edge)	577748.9	184689.0	1.5
7_50	West Canvey Marshes LWS (50 m from western road edge)	577739.3	184691.9	1.5
7_100	West Canvey Marshes LWS (100 m from western road edge)	577691.4	184706.1	1.5
7_200	West Canvey Marshes LWS (200 m from western road edge)	577595.6	184734.7	1.5

Receptor	Location	X Coordinate	Y Coordinate	Modelled Height (m)
8_1	West Canvey Marshes LWS (1 m from southern road edge)	577472.8	185421.6	1.5
8_2	West Canvey Marshes LWS (2 m from southern road edge)	577472.5	185420.7	1.5
8_3	West Canvey Marshes LWS (3 m from southern road edge)	577472.2	185419.7	1.5
8_4	West Canvey Marshes LWS (4 m from southern road edge)	577471.9	185418.8	1.5
8_5	West Canvey Marshes LWS (5 m from southern road edge)	577471.6	185417.8	1.5
8_10	West Canvey Marshes LWS (10 m from southern road edge)	577470.0	185413.1	1.5
8_20	West Canvey Marshes LWS (20 m from southern road edge)	577466.8	185403.6	1.5
8_30	West Canvey Marshes LWS (30 m from southern road edge)	577463.7	185394.1	1.5
8_40	West Canvey Marshes LWS (40 m from southern road edge)	577460.5	185384.6	1.5
8_50	West Canvey Marshes LWS (50 m from southern road edge)	577457.3	185375.2	1.5
8_100	West Canvey Marshes LWS (100 m from southern road edge)	577441.5	185327.7	1.5
8_200	West Canvey Marshes LWS (200 m from southern road edge)	577409.9	185232.8	1.5
9_1	West Canvey Marshes LWS (1 m from northern road edge)	577475.8	185430.6	1.5
9_2	West Canvey Marshes LWS (2 m from northern road edge)	577476.1	185431.5	1.5
9_3	West Canvey Marshes LWS (3 m from northern road edge)	577476.4	185432.5	1.5
9_4	West Canvey Marshes LWS (4 m from northern road edge)	577476.8	185433.4	1.5
9_5	West Canvey Marshes LWS (5 m from northern road edge)	577477.1	185434.3	1.5
9_10	West Canvey Marshes LWS (10 m from northern road edge)	577478.6	185439.1	1.5
9_20	West Canvey Marshes LWS (20 m from northern road edge)	577481.8	185448.6	1.5
9_30	West Canvey Marshes LWS (30 m from northern road edge)	577485.0	185458.1	1.5
9_40	West Canvey Marshes LWS (40 m from northern road edge)	577488.1	185467.6	1.5
9_50	West Canvey Marshes LWS (50 m from northern road edge)	577491.3	185477.1	1.5

Receptor	Location	X Coordinate	Y Coordinate	Modelled Height (m)
9_100	West Canvey Marshes LWS (100 m from northern road edge)	577507.1	185524.5	1.5
9_200	West Canvey Marshes LWS (200 m from northern road edge)	577538.8	185619.3	1.5
10_1	West Canvey Marshes LWS (1 m from eastern road edge)	577350.9	184063.2	1.5
10_2	West Canvey Marshes LWS (2 m from eastern road edge)	577351.3	184062.3	1.5
10_3	West Canvey Marshes LWS (3 m from eastern road edge)	577351.6	184061.3	1.5
10_4	West Canvey Marshes LWS (4 m from eastern road edge)	577351.9	184060.4	1.5
10_5	West Canvey Marshes LWS (5 m from eastern road edge)	577352.3	184059.5	1.5
10_10	West Canvey Marshes LWS (10 m from eastern road edge)	577354.1	184054.8	1.5
10_20	West Canvey Marshes LWS (20 m from eastern road edge)	577357.8	184045.5	1.5
10_30	West Canvey Marshes LWS (30 m from eastern road edge)	577361.4	184036.2	1.5
10_40	West Canvey Marshes LWS (40 m from eastern road edge)	577365.1	184026.9	1.5
10_50	West Canvey Marshes LWS (50 m from eastern road edge)	577368.8	184017.6	1.5
10_100	West Canvey Marshes LWS (100 m from eastern road edge)	577386.9	183971.0	1.5
10_200	West Canvey Marshes LWS (200 m from eastern road edge)	577423.4	183877.9	1.5

^a A height of 1.5 m has been used to represent ground-floor level exposure.

^b Ecological receptors have been modelled at 1.5 m to be consistent with Defra's national modelling of ecosystem impacts.