

Table 1: Raw monthly totals counted for the whole site

Species	Nov	Dec	Jan	Feb	Maximum count	Month of maximum count
Great Crested Grebe	.	.	.	1	1	Feb
Cormorant	67	13	60	51	67	Nov
Little Egret	9	6	1	1	9	Nov
Grey Heron	7	.	1	2	7	Nov
Mute Swan	.	.	4	.	4	Jan
Bewick's Swan	5	.	.	.	5	Nov
Dark-bellied Brent Goose	47	48	26	.	48	Dec
Shelduck	82	118	455	603	603	Feb
Wigeon	307	113	7029	1428	7029	Jan
Gadwall	2	.	80	63	80	Jan
Teal	.	6	565	127	565	Jan
Mallard	51	20	66	123	123	Feb
Pintail	335	.	263	37	335	Nov
Shoveler	.	3	.	3	3	Dec, Feb
Eider	.	5	1	.	5	Dec
Oystercatcher	482	901	576	404	901	Dec
Avocet	.	6	.	3	6	Dec
Ringed Plover	39	50	29	50	50	Dec, Feb
Golden Plover	80	70	30	185	185	Feb
Grey Plover	860	1222	534	1109	1222	Dec
Lapwing	1473	403	1145	43	1473	Nov
Knot	6200	3571	1107	11103	11103	Feb
Dunlin	14690	16535	20212	28880	28880	Feb
Black-tailed Godwit	953	153	.	785	953	Nov
Bar-tailed Godwit	28	.	161	16	161	Jan
Curlew	785	738	599	591	785	Nov
Spotted Redshank	.	.	.	1	1	Feb
Redshank	508	438	312	554	554	Feb
Turnstone	15	21	23	5	23	Jan
Re-established Greylag Goose	.	.	59	63	63	Feb

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WeBS Low Tide Count data for the winter 2002/2003 for Thames Estuary
Table 2: Overall counted area per month (in hectares)

Sector code	Intertidal	Sub-tidal	Non-tidal	Total	Months counted
DA020	70	103	14	187	Nov,Dec,Jan,Feb
DA021	12	0	0	12	Nov,Dec,Jan,Feb
DA022	6	45	0	51	Nov,Dec,Jan,Feb
DA023	21	125	0	146	Nov,Dec,Jan,Feb
DA024	430	316	0	746	Nov,Dec,Jan,Feb
DA025	516	221	10	747	Nov,Dec,Jan,Feb
DA026	180	50	15	245	Nov,Dec,Jan,Feb
DA041	1172	582	35	1789	Nov,Dec,Jan,Feb
Total	2407	1442	74	3923	

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Table 3: Peak and mean densities for each species on relevant count sections

Areas in hectares, densities in birds per hectare

Data for gulls and terns not presented, since counting optional and thus statistics unreliable

Sector code	Species	Preferred habitat	Area of preferred habitat	Peak count	Peak density	Mean count	Mean density
DA020	Cormorant	All habitats	187	29	0.16	17	0.09
DA020	Shelduck	All habitats	187	6	0.03	2	0.01
DA020	Wigeon	All habitats	187	204	1.09	91	0.49
DA020	Gadwall	All habitats	187	42	0.22	15	0.08
DA020	Teal	All habitats	187	148	0.79	62	0.33
DA020	Mallard	All habitats	187	37	0.20	14	0.07
DA020	Oystercatcher	Intertidal	70	3	0.04	1	0.01
DA020	Avocet	Intertidal	70	6	0.09	2	0.02
DA020	Ringed Plover	Intertidal	70	14	0.20	4	0.05
DA020	Golden Plover	Intertidal & non-tidal	84	184	2.19	64	0.76
DA020	Grey Plover	Intertidal	70	123	1.76	72	1.03
DA020	Lapwing	Intertidal & non-tidal	84	92	1.10	58	0.69
DA020	Dunlin	Intertidal	70	2600	37.14	1511	21.59
DA020	Bar-tailed Godwit	Intertidal	70	7	0.10	2	0.03
DA020	Curlew	Intertidal & non-tidal	84	47	0.56	22	0.26
DA020	Redshank	Intertidal & non-tidal	84	128	1.52	71	0.84
DA020	Turnstone	Intertidal	70	1	0.01	0	0.00
DA021	Little Egret	Intertidal & non-tidal	12	6	0.50	3	0.23
DA021	Oystercatcher	Intertidal	12	1	0.08	0	0.02
DA021	Curlew	Intertidal & non-tidal	12	2	0.17	1	0.04
DA021	Redshank	Intertidal & non-tidal	12	55	4.58	18	1.48
DA022	Little Egret	Intertidal & non-tidal	6	1	0.17	0	0.04
DA022	Shelduck	All habitats	51	10	0.20	3	0.06
DA022	Wigeon	All habitats	51	4	0.08	1	0.02
DA022	Gadwall	All habitats	51	8	0.16	2	0.04
DA022	Lapwing	Intertidal & non-tidal	6	115	19.17	29	4.79
DA022	Dunlin	Intertidal	6	20	3.33	5	0.83
DA022	Curlew	Intertidal & non-tidal	6	1	0.17	1	0.08
DA022	Redshank	Intertidal & non-tidal	6	119	19.83	30	5.00
DA023	Cormorant	All habitats	146	1	0.01	0	0.00
DA023	Little Egret	Intertidal & non-tidal	21	1	0.05	0	0.01
DA023	Shelduck	All habitats	146	1	0.01	0	0.00

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Table 3: Peak and mean densities for each species on relevant count sections

Areas in hectares, densities in birds per hectare

Data for gulls and terns not presented, since counting optional and thus statistics unreliable

Sector code	Species	Preferred habitat	Area of preferred habitat	Peak count	Peak density	Mean count	Mean density
DA023	Wigeon	All habitats	146	13	0.09	4	0.03
DA023	Gadwall	All habitats	146	54	0.37	16	0.11
DA023	Teal	All habitats	146	42	0.29	13	0.09
DA023	Mallard	All habitats	146	4	0.03	2	0.01
DA023	Shoveler	All habitats	146	3	0.02	1	0.01
DA023	Eider	Sub-tidal	125	5	0.04	1	0.01
DA023	Ringed Plover	Intertidal	21	12	0.57	3	0.14
DA023	Grey Plover	Intertidal	21	1	0.05	1	0.02
DA023	Lapwing	Intertidal & non-tidal	21	37	1.76	9	0.44
DA023	Dunlin	Intertidal	21	5	0.24	3	0.12
DA023	Curlew	Intertidal & non-tidal	21	8	0.38	4	0.17
DA023	Redshank	Intertidal & non-tidal	21	3	0.14	2	0.07
DA024	Great Crested Grebe	Sub-tidal	316	1	0.00	0	0.00
DA024	Cormorant	All habitats	746	23	0.03	13	0.02
DA024	Grey Heron	Intertidal & non-tidal	430	1	0.00	1	0.00
DA024	Shelduck	All habitats	746	411	0.55	164	0.22
DA024	Wigeon	All habitats	746	6300	8.45	1822	2.44
DA024	Gadwall	All habitats	746	3	0.00	1	0.00
DA024	Teal	All habitats	746	375	0.50	100	0.13
DA024	Mallard	All habitats	746	42	0.06	14	0.02
DA024	Pintail	All habitats	746	253	0.34	72	0.10
DA024	Shoveler	All habitats	746	2	0.00	1	0.00
DA024	Avocet	Intertidal	430	3	0.01	1	0.00
DA024	Ringed Plover	Intertidal	430	47	0.11	13	0.03
DA024	Golden Plover	Intertidal & non-tidal	430	4	0.01	1	0.00
DA024	Grey Plover	Intertidal	430	80	0.19	39	0.09
DA024	Lapwing	Intertidal & non-tidal	430	755	1.76	358	0.83
DA024	Knot	Intertidal	430	3	0.01	1	0.00
DA024	Dunlin	Intertidal	430	5885	13.69	3164	7.36
DA024	Black-tailed Godwit	Intertidal & non-tidal	430	131	0.30	44	0.10
DA024	Bar-tailed Godwit	Intertidal	430	1	0.00	0	0.00
DA024	Curlew	Intertidal & non-tidal	430	108	0.25	51	0.12

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Table 3: Peak and mean densities for each species on relevant count sections

Areas in hectares, densities in birds per hectare

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Sector code	Species	Preferred habitat	Area of preferred habitat	Peak count	Peak density	Mean count	Mean density
DA024	Spotted Redshank	Intertidal & non-tidal	430	1	0.00	0	0.00
DA024	Redshank	Intertidal & non-tidal	430	11	0.03	5	0.01
DA024	Turnstone	Intertidal	430	1	0.00	0	0.00
DA024	Re-established Greylag Goose	All habitats	746	28	0.04	7	0.01
DA025	Cormorant	All habitats	747	25	0.03	13	0.02
DA025	Grey Heron	Intertidal & non-tidal	526	2	0.00	1	0.00
DA025	Bewick's Swan	All habitats	747	5	0.01	1	0.00
DA025	Dark-bellied Brent Goose	All habitats	747	8	0.01	4	0.01
DA025	Shelduck	All habitats	747	109	0.15	34	0.04
DA025	Wigeon	All habitats	747	600	0.80	286	0.38
DA025	Gadwall	All habitats	747	2	0.00	1	0.00
DA025	Mallard	All habitats	747	65	0.09	30	0.04
DA025	Pintail	All habitats	747	55	0.07	15	0.02
DA025	Shoveler	All habitats	747	1	0.00	0	0.00
DA025	Oystercatcher	Intertidal	516	26	0.05	9	0.02
DA025	Ringed Plover	Intertidal	516	16	0.03	4	0.01
DA025	Golden Plover	Intertidal & non-tidal	526	30	0.06	14	0.03
DA025	Grey Plover	Intertidal	516	750	1.45	502	0.97
DA025	Lapwing	Intertidal & non-tidal	526	645	1.23	253	0.48
DA025	Knot	Intertidal	516	725	1.41	360	0.70
DA025	Dunlin	Intertidal	516	14650	28.39	10438	20.23
DA025	Black-tailed Godwit	Intertidal & non-tidal	526	783	1.49	359	0.68
DA025	Bar-tailed Godwit	Intertidal	516	10	0.02	3	0.00
DA025	Curlew	Intertidal & non-tidal	526	311	0.59	269	0.51
DA025	Redshank	Intertidal & non-tidal	526	97	0.18	55	0.10
DA025	Re-established Greylag Goose	All habitats	747	35	0.05	9	0.01
DA026	Cormorant	All habitats	245	6	0.02	2	0.01
DA026	Little Egret	Intertidal & non-tidal	195	2	0.01	1	0.00
DA026	Dark-bellied Brent Goose	All habitats	245	20	0.08	5	0.02
DA026	Shelduck	All habitats	245	10	0.04	3	0.01
DA026	Mallard	All habitats	245	3	0.01	1	0.00
DA026	Pintail	All habitats	245	280	1.14	70	0.29

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Sector code	Species	Preferred habitat	Area of preferred habitat	Peak count	Peak density	Mean count	Mean density
DA026	Oystercatcher	Intertidal	180	50	0.28	17	0.09
DA026	Grey Plover	Intertidal	180	50	0.28	20	0.11
DA026	Knot	Intertidal	180	5000	27.78	1495	8.31
DA026	Dunlin	Intertidal	180	4750	26.39	1735	9.64
DA026	Curlew	Intertidal & non-tidal	195	100	0.51	55	0.28
DA026	Redshank	Intertidal & non-tidal	195	120	0.62	46	0.23
DA041	Cormorant	All habitats	1789	11	0.01	4	0.00
DA041	Little Egret	Intertidal & non-tidal	1207	1	0.00	1	0.00
DA041	Grey Heron	Intertidal & non-tidal	1207	4	0.00	1	0.00
DA041	Mute Swan	Sub-tidal	582	4	0.01	1	0.00
DA041	Dark-bellied Brent Goose	All habitats	1789	40	0.02	21	0.01
DA041	Shelduck	All habitats	1789	217	0.12	109	0.06
DA041	Wigeon	All habitats	1789	35	0.02	15	0.01
DA041	Gadwall	All habitats	1789	8	0.00	2	0.00
DA041	Mallard	All habitats	1789	10	0.01	6	0.00
DA041	Pintail	All habitats	1789	10	0.01	3	0.00
DA041	Eider	Sub-tidal	582	1	0.00	0	0.00
DA041	Oystercatcher	Intertidal	1172	890	0.76	563	0.48
DA041	Ringed Plover	Intertidal	1172	37	0.03	19	0.02
DA041	Golden Plover	Intertidal & non-tidal	1207	47	0.04	12	0.01
DA041	Grey Plover	Intertidal	1172	355	0.30	298	0.25
DA041	Lapwing	Intertidal & non-tidal	1207	232	0.19	60	0.05
DA041	Knot	Intertidal	1172	5375	4.59	3640	3.11
DA041	Dunlin	Intertidal	1172	6717	5.73	3224	2.75
DA041	Black-tailed Godwit	Intertidal & non-tidal	1207	260	0.22	70	0.06
DA041	Bar-tailed Godwit	Intertidal	1172	154	0.13	47	0.04
DA041	Curlew	Intertidal & non-tidal	1207	394	0.33	278	0.23
DA041	Redshank	Intertidal & non-tidal	1207	330	0.27	228	0.19
DA041	Turnstone	Intertidal	1172	22	0.02	16	0.01
DA041	Re-established Greylag Goose	All habitats	1789	59	0.03	15	0.01

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Table 4: Mean count and density for each species for the whole site*Densities in birds per hectare**Data for gulls and terns not presented, since counting optional and thus statistics unreliable. Note these values are the sums of the values from Table 3 and thus take into account monthly variation in coverage.*

Species	Preferred habitat	Total area of preferred habitat	Mean site count	Mean site density
Great Crested Grebe	Sub-tidal	1442	0	0.00
Cormorant	All habitats	3923	48	0.01
Little Egret	Intertidal & non-tidal	2481	4	0.00
Grey Heron	Intertidal & non-tidal	2481	3	0.00
Mute Swan	Sub-tidal	1442	1	0.00
Bewick's Swan	All habitats	3923	1	0.00
Dark-bellied Brent Goose	All habitats	3923	30	0.01
Shelduck	All habitats	3923	315	0.08
Wigeon	All habitats	3923	2219	0.57
Gadwall	All habitats	3923	36	0.01
Teal	All habitats	3923	175	0.04
Mallard	All habitats	3923	65	0.02
Pintail	All habitats	3923	159	0.04
Shoveler	All habitats	3923	2	0.00
Eider	Sub-tidal	1442	2	0.00
Oystercatcher	Intertidal	2407	591	0.25
Avocet	Intertidal	2407	2	0.00
Ringed Plover	Intertidal	2407	42	0.02
Golden Plover	Intertidal & non-tidal	2481	91	0.04
Grey Plover	Intertidal	2407	931	0.39
Lapwing	Intertidal & non-tidal	2481	766	0.31
Knot	Intertidal	2407	5495	2.28
Dunlin	Intertidal	2407	20079	8.34
Black-tailed Godwit	Intertidal & non-tidal	2481	473	0.19
Bar-tailed Godwit	Intertidal	2407	51	0.02
Curlew	Intertidal & non-tidal	2481	678	0.27
Spotted Redshank	Intertidal & non-tidal	2481	0	0.00
Redshank	Intertidal & non-tidal	2481	453	0.18
Turnstone	Intertidal	2407	16	0.01
Re-established Greylag Goose	All habitats	3923	31	0.01

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