

APPENDIX A

**DATABASE OF IMPOUNDMENTS IN THE PRUDHOE BAY OIL
FIELD, ALASKA, 1994**

Table A-1 Geographic Information System impoundment database, file name "Imp flood," for all impoundments mapped in Figure 2. Each record is associated with a mapped flood area polygon, data fields are; ID--bird use study site numbers, ImpNo--individual impoundment identifiers, Prewater--area of open water within flood polygon based on 1955 aerial photography, Postwater--area of open water within flood polygon based on 1993 aerial photography, Source--data used to define flood polygons (p=aerial photography, f=field study, w=post-development water boundary, s=area sampled for bird use), Impact--tundra area covered by permanent or temporary flooding (Area-Prewater=Impact).

ID	ImpNo	Prewater	Postwater	Area	Source	Impact
0	101401A	0.000	0.013	0.031	p	0.031
56	101401B	0.001	0.002	0.007	f	0.006
0	101403A	0.000	0.005	0.010	p	0.010
0	101403D	0.013	0.017	0.063	p	0.050
30	101405A	0.000	0.071	0.104	f	0.104
54	101413A	0.132	0.191	0.271	f	0.139
0	101413B	0.000	0.013	0.020	p	0.020
55	101413D	0.010	0.009	0.010	p	0.000
53	101413E	0.000	0.054	0.061	p	0.061
0	101413F	0.000	0.008	0.066	p	0.066
0	101425A	0.001	0.018	0.056	p	0.055
0	101425B	0.001	0.029	0.041	p	0.040
44	101501A	0.000	0.048	0.059	p	0.059
49	101501B	0.000	0.006	0.008	f	0.008
36	101503A	0.007	0.009	0.030	p	0.023
0	101503A	0.002	0.016	0.018	p	0.016
0	101503B	0.000	0.000	0.005	p	0.005
0	101503B	0.004	0.006	0.018	p	0.014
43	101503C	0.001	0.006	0.014	f	0.013
0	101503E	0.003	0.002	0.073	p	0.070
0	101503E	0.001	0.009	0.015	p	0.014
0	101503F	0.000	0.010	0.022	p	0.022
37	101503G	0.024	0.023	0.059	p	0.035
0	101505C	0.012	0.006	0.035	p	0.023
0	101505D	0.003	0.003	0.016	p	0.013
35	101505E	0.155	0.161	0.235	s	0.080
0	101505F	0.013	0.010	0.032	p	0.019
0	101505F	0.003	0.000	0.005	p	0.002
57	101505G	0.000	0.000	0.018	p	0.018
0	101513A	0.000	0.007	0.012	p	0.012
0	101513B	0.002	0.003	0.013	p	0.011
0	101513B	0.002	0.002	0.006	p	0.004
0	101515A	0.002	0.010	0.026	p	0.024

Table A-1. Continued.

ID	ImpNo	Prewater	Postwater	Area	Source	Impact
0	101515B	0.000	0.005	0.007	p	0.007
46	101515C	0.000	0.011	0.017	p	0.017
47	101515D	0.013	0.030	0.031	p	0.018
48	101515E	0.009	0.029	0.045	p	0.036
48	101515E	0.000	0.000	0.007	p	0.007
0	101515F	0.002	0.006	0.016	p	0.014
45	101515G	0.019	0.037	0.048	p	0.029
0	101515G	0.005	0.007	0.009	p	0.004
52	101517A	0.182	0.175	0.586	f	0.404
51	101517B	0.345	0.352	0.426	f	0.081
50	101517C	0.086	0.085	0.134	f	0.048
0	101529A	0.002	0.002	0.004	p	0.002
0	101529A	0.014	0.014	0.022	p	0.008
0	101603B	0.002	0.003	0.006	p	0.004
0	101603C	0.002	0.000	0.005	p	0.003
0	101603C	0.000	0.001	0.003	p	0.002
0	101605A	0.010	0.010	0.022	p	0.012
0	101629A	0.000	0.004	0.009	p	0.009
0	101629A	0.035	0.114	0.132	p	0.097
0	111201A	0.007	0.021	0.042	p	0.035
0	111203C	0.002	0.003	0.005	p	0.003
0	111203D	0.002	0.003	0.010	p	0.008
6	111203E	0.000	0.002	0.005	p	0.005
6	111203E	0.000	0.000	0.005	p	0.005
0	111203G	0.000	0.002	0.008	p	0.008
0	111205A	0.000	0.000	0.003	p	0.003
2	111205A	0.005	0.005	0.009	p	0.004
0	111205A	0.003	0.002	0.011	p	0.008
0	111213B	0.006	0.016	0.051	p	0.045
0	111213C	0.000	0.002	0.003	p	0.003
0	111215A	0.002	0.003	0.007	p	0.005
0	111215A	0.005	0.005	0.011	p	0.006
0	111215B	0.003	0.004	0.015	p	0.012
0	111215C	0.004	0.004	0.010	p	0.006
0	111215D	0.001	0.002	0.009	p	0.008
0	111215E	0.001	0.004	0.013	p	0.012
0	111215F	0.001	0.002	0.017	p	0.016
3	111215G	0.160	0.411	0.615	f	0.455
0	111215H	0.003	0.003	0.032	p	0.029
0	111217A	0.000	0.008	0.014	p	0.014
14	111301A	0.149	0.179	0.370	f	0.221
0	111301B	0.005	0.014	0.026	p	0.021
13	111301C	0.049	0.096	0.199	f	0.150
19	111301F	0.009	0.015	0.025	f	0.016
0	111303A	0.000	0.005	0.015	p	0.015

Table A-1. Continued.

ID	ImpNo	Prewater	Postwater	Area	Source	Impact
0	111303A	0.000	0.002	0.009	p	0.009
0	111303B	0.001	0.009	0.038	p	0.037
12	111303C	0.266	0.256	0.462	f	0.196
0	111305A	0.005	0.012	0.012	p	0.007
0	111305A	0.001	0.012	0.037	p	0.036
18	111313A	0.081	0.072	0.468	f	0.387
0	111313B	0.000	0.001	0.011	p	0.011
0	111313B	0.000	0.000	0.025	p	0.025
0	111313C	0.000	0.003	0.007	p	0.007
0	111313C	0.003	0.003	0.019	p	0.016
18	111313C	0.000	0.000	0.415	f	0.415
0	111313C	0.000	0.002	0.002	p	0.002
0	111313D	0.068	0.080	0.780	f	0.712
0	111313G	0.063	0.061	0.104	p	0.041
0	111313H	0.002	0.003	0.021	p	0.019
17	111313I	0.006	0.027	0.041	p	0.035
0	111313J	0.000	0.000	0.002	p	0.002
0	111313J	0.004	0.009	0.016	p	0.012
11	111315A	0.012	0.016	0.037	f	0.025
0	111315B	0.011	0.016	0.025	p	0.014
10	111315C	0.083	0.100	0.117	s	0.034
0	111315D	0.014	0.000	0.032	p	0.018
0	111315E	0.002	0.007	0.014	p	0.012
9	111315F	0.000	0.000	0.008	p	0.008
9	111315F	0.026	0.033	0.053	p	0.027
0	111315G	0.005	0.010	0.024	p	0.019
0	111325A	0.023	0.037	0.053	p	0.030
0	111325B	0.002	0.006	0.035	p	0.033
0	111325B	0.006	0.006	0.042	p	0.036
0	111327A	0.001	0.008	0.017	p	0.016
0	111327B	0.026	0.028	0.055	p	0.029
0	111329A	0.004	0.018	0.040	p	0.036
0	111329B	0.002	0.003	0.033	p	0.031
24	111401A	0.000	0.003	0.014	f	0.014
59	111401B	0.000	0.005	0.032	f	0.032
0	111401C	0.031	0.045	0.071	w	0.040
25	111401D	0.000	0.039	0.044	p	0.044
0	111401E	0.000	0.003	0.009	p	0.009
0	111401E	0.003	0.002	0.037	p	0.034
0	111401F	0.001	0.004	0.013	p	0.012
0	111403A	0.018	0.043	0.222	p	0.204
0	111405A	0.010	0.011	0.053	p	0.043
20	111405B	0.001	0.006	0.039	f	0.038
0	111405C	0.003	0.007	0.027	p	0.024
0	111413A	0.000	0.008	0.038	p	0.038

Table A-1. Continued.

ID	ImpNo	Prewater	Postwater	Area	Source	Impact
0	111413B	0.000	0.008	0.009	p	0.009
0	111413C	0.000	0.005	0.007	p	0.007
0	111415A	0.002	0.024	0.055	p	0.053
28	111417B	0.200	0.195	0.472	p	0.272
27	111417C	0.415	0.416	0.478	f	0.063
0	111417D	0.002	0.009	0.013	p	0.011
29	111417F	0.000	0.000	0.007	p	0.007
29	111417F	0.000	0.000	0.022	p	0.022
29	111417F	0.000	0.000	0.029	p	0.029
29	111417F	0.000	0.056	0.031	p	0.031
0	111425A	0.007	0.053	0.091	p	0.084
0	111425A	0.001	0.005	0.013	p	0.012
0	111425B	0.012	0.003	0.022	p	0.010
0	111425C	0.003	0.003	0.007	p	0.004
34	111425D	0.002	0.005	0.008	f	0.006
0	111425E	0.000	0.003	0.003	p	0.003
33	111427A	0.000	0.212	0.243	f	0.243
32	111427B	0.000	0.013	0.042	f	0.042
31	111427D	0.001	0.035	0.038	f	0.037
0	111427F	0.014	0.011	0.030	p	0.016
0	111427G	0.016	0.082	0.091	p	0.075
0	111429C	0.000	0.011	0.107	p	0.106
0	111429D	0.004	0.007	0.021	p	0.017
42	111513A	0.000	0.000	0.002	f	0.002
42	111513A	0.001	0.002	0.006	f	0.005
0	111515A	0.011	0.014	0.023	p	0.012
0	111517A	0.000	0.005	0.011	p	0.011
0	111517B	0.001	0.002	0.014	p	0.013
41	111525A	0.057	0.085	0.134	f	0.077
0	111525B	0.000	0.017	0.021	p	0.021
0	111525C	0.002	0.010	0.013	p	0.012
40	111525D	0.012	0.092	0.100	p	0.088
0	111527A	0.000	0.017	0.024	p	0.024
0	111527B	0.016	0.017	0.042	p	0.026
0	111527C	0.000	0.021	0.041	p	0.041
38	111527D	0.038	0.047	0.149	f	0.111
0	111529A	0.014	0.033	0.069	p	0.055
0	121225A	0.002	0.008	0.027	p	0.025
7	121225B	0.000	0.004	0.006	f	0.006
8	121225C	0.024	0.030	0.050	p	0.026
0	121327A	0.006	0.003	0.035	p	0.029
0	121329A	0.005	0.010	0.044	p	0.039
23	121425A	0.019	0.052	0.098	f	0.079
0	121425D	0.013	0.053	0.083	p	0.070
0	121425E	0.001	0.002	0.003	p	0.002

Table A-1. Continued.

ID	ImpNo	Prewater	Postwater	Area	Source	Impact
22	121427A	0.001	0.009	0.010	p	0.009
0	121427B	0.077	0.086	0.215	p	0.138
0	121427C	0.000	0.006	0.009	p	0.009
21	121427D	0.001	0.004	0.018	f	0.017
Area Totals (sq km)		3.298	5.262	11.258		7.960

APPENDIX B

**NUMBERS AND DENSITIES OF BIRD SPECIES USING
IMPOUNDMENTS AT STUDY SITES IN THE
PRUDHOE BAY OIL FIELD, ALASKA, 1994**

Table B-1. Continued.																																					
Site Number	Red-necked Phalarope					Red Phalarope					Pectoral Sandpiper					Semipalmated Sandpiper					Dunlin			Stilt Sandpiper			Lapland Longspur										
	n	Total	#/ sq km	Nests	Nests/ sq km	n	Total	#/ sq km	Total	Nests/ sq km	n	Total	#/ sq km	Total	Nests/ sq km	n	Total	#/ sq km	Total	Nests/ sq km	n	Total	#/ sq km	n	Total	#/ sq km	n	Total	#/ sq km	Total	Nests/ sq km						
2	2	9	350.88	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	1	1	38.99	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
3	40	96	52.02	3	1.63	20	30	16.25	0	0.00	38	91	49.31	0	0.00	14	21	11.38	0	0.00	5	5	2.71	9	11	5.96	29	45	24.38	3	1.63						
6	0	0	0.00	0	0.00	5	7	224.79	0	0.00	2	2	64.23	0	0.00	1	1	32.11	0	0.00	0	0	0.00	1	1	32.11	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
7	1	2	119.47	0	0.00	0	0	0.00	0	0.00	2	3	179.21	0	0.00	3	7	418.16	0	0.00	0	0	0.00	0	0	0.00	6	9	537.63	0	0.00						
8	17	32	215.18	1	6.72	0	0	0.00	0	0.00	3	3	20.17	0	0.00	5	9	60.52	0	0.00	0	0	0.00	0	0	0.00	6	8	53.80	0	0.00						
9	2	2	10.96	0	0.00	0	0	0.00	0	0.00	3	6	32.89	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	3	3	16.44	0	0.00						
10	6	13	37.23	0	0.00	0	0	0.00	0	0.00	2	2	5.73	0	0.00	2	3	8.59	0	0.00	0	0	0.00	0	0	0.00	1	1	2.86	0	0.00						
11	8	16	142.91	0	0.00	0	0	0.00	0	0.00	2	2	17.86	0	0.00	2	4	35.73	0	0.00	0	0	0.00	0	0	0.00	5	7	62.52	0	0.00						
12	20	58	41.84	0	0.00	6	7	5.05	0	0.00	18	31	22.36	0	0.00	7	8	5.77	0	0.00	0	0	0.00	1	2	1.44	4	4	2.89	0	0.00						
13	12	22	36.83	1	1.67	2	2	3.35	0	0.00	5	6	10.05	0	0.00	1	1	1.67	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
14	28	90	81.06	0	0.00	5	6	5.40	0	0.00	9	10	9.01	1	0.90	5	6	5.40	0	0.00	0	0	0.00	0	0	0.00	5	5	4.50	0	0.00						
17	7	14	114.27	1	8.16	0	0	0.00	0	0.00	4	4	32.65	0	0.00	3	3	24.49	0	0.00	0	0	0.00	0	0	0.00	5	5	40.81	0	0.00						
18	26	184	69.42	0	0.00	1	1	0.38	0	0.00	13	14	5.28	0	0.00	2	2	0.75	0	0.00	0	0	0.00	0	0	0.00	2	2	0.75	0	0.00						
19	27	73	989.96	0	0.00	4	8	108.49	0	0.00	4	5	67.81	0	0.00	0	0	0.00	0	0.00	0	0	0.00	1	1	13.56	3	4	54.24	0	0.00						
20	5	9	77.02	0	0.00	1	4	34.23	0	0.00	2	2	17.12	0	0.00	2	2	17.12	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
21	10	15	284.74	0	0.00	0	0	0.00	0	0.00	3	4	75.93	0	0.00	2	2	37.97	0	0.00	0	0	0.00	0	0	0.00	1	1	18.98	0	0.00						
22	1	1	35.05	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
23	11	25	85.36	0	0.00	2	3	10.24	0	0.00	4	4	13.66	0	0.00	4	4	13.66	0	0.00	0	0	0.00	0	0	0.00	2	2	6.83	0	0.00						
24	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	2	6	142.45	0	0.00	1	1	23.74	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
25	8	13	98.42	0	0.00	0	0	0.00	0	0.00	4	4	30.28	0	0.00	6	10	75.71	0	0.00	0	0	0.00	0	0	0.00	2	3	22.71	0	0.00						
27	10	16	11.16	0	0.00	0	0	0.00	0	0.00	6	16	11.16	0	0.00	17	115	80.23	0	0.00	0	0	0.00	0	0	0.00	7	8	5.58	0	0.00						
28	8	14	9.88	0	0.00	0	0	0.00	0	0.00	1	1	0.71	0	0.00	14	31	21.88	0	0.00	0	0	0.00	0	0	0.00	2	2	1.41	0	0.00						
29	13	35	131.47	1	3.76	0	0	0.00	0	0.00	1	1	3.76	0	0.00	1	1	3.76	0	0.00	0	0	0.00	0	0	0.00	2	3	11.27	0	0.00						
30	13	27	86.79	0	0.00	0	0	0.00	0	0.00	9	11	35.36	0	0.00	4	5	16.07	0	0.00	0	0	0.00	1	1	3.21	5	5	16.07	0	0.00						
31	12	52	461.24	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	3	9	79.83	0	0.00	0	0	0.00	0	0	0.00	2	2	17.74	0	0.00						
32	4	7	55.03	0	0.00	0	0	0.00	0	0.00	2	2	15.72	0	0.00	1	1	7.86	0	0.00	0	0	0.00	0	0	0.00	5	7	55.03	0	0.00						
33	16	26	35.65	0	0.00	0	0	0.00	0	0.00	5	7	9.60	0	0.00	3	3	4.11	0	0.00	0	0	0.00	0	0	0.00	10	12	16.45	0	0.00						
34	3	3	118.91	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
35	21	42	59.63	0	0.00	1	1	1.42	0	0.00	20	25	35.49	0	0.00	17	28	39.75	1	1.42	3	3	4.26	1	1	1.42	13	17	24.13	0	0.00						
36	12	40	451.67	0	0.00	0	0	0.00	0	0.00	3	3	33.88	0	0.00	3	4	45.17	0	0.00	0	0	0.00	0	0	0.00	3	3	33.88	0	0.00						
37	13	55	311.53	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	1	1	5.66	0	0.00						
38	18	31	69.54	0	0.00	0	0	0.00	0	0.00	7	7	15.70	0	0.00	2	2	4.49	0	0.00	0	0	0.00	0	0	0.00	26	32	71.78	0	0.00						
40	7	15	49.95	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	3	14	46.62	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
41	19	33	82.27	1	2.49	4	4	9.97	1	2.49	5	5	12.47	0	0.00	8	10	24.93	0	0.00	0	0	0.00	0	0	0.00	11	13	32.41	0	0.00						
42	2	6	264.55	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0.00
43	5	6	145.77	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	1	2	48.59	0	0.00	0	0	0.00	0	0	0.00	1	2	48.59	0	0.00						
44	3	5	28.04	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	9	21	117.77	0	0.00	0	0	0.00	0	0	0.00	6	9	50.47	0	0.00						
45	12	32	221.99	0	0.00	1	1	6.94	0	0.00	4	4	27.75	0	0.00	5	9	62.43	0	0.00	0	0	0.00	1	1	6.94	8	12	83.25	1	6.94						
46	10	33	646.68	0	0.00	0	0	0.00	0	0.00	1	1	19.60	0	0.00	1	1	19.60	0	0.00	0	0	0.00	0	0	0.00	1	1	19.60	0	0.00						
47	4	9	96.09	0	0.00	0	0	0.00	0	0.00	2	2	21.35	0	0.00	1	1	10.68	0	0.00	0	0	0.00	0	0	0.00	8	8	85.42	0	0.00						
48	11	38	284.20	0	0.00	0	0	0.00	0	0.00	3	3	22.44	0	0.00	5	6	44.87	0	0.00	0	0	0.00	0	0	0.00	7	8	59.83	0	0.00						
49	7	14	573.30	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	1	1	40.95	0	0.00	0	0	0.00	0	0	0.00	2	2	81.90	0	0.00						
50	25	69	171.64	0	0.00	0	0	0.00	0	0.00	3	4	9.95	0	0.00	8	10	24.88	0	0.00	0	0	0.00	0	0	0.00	7	7	17.41	0	0.00						
51	13	93	72.70	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00	8	17	13.29	1	0.78	0	0	0.00	0	0	0.00	2	2	1.56	0	0.00						
52	32	166	94.44	0	0.00	0	0	0.00	0	0.00	10	12	6.83	0	0.00	33	54	30.72	1	0.57	0	0	0.00	0	0	0.00	34	45	25.60	0	0.00						
53	14	59	321.09	1	5.44																																

Table B-1. Continued.

Site Number	Lesser Golden Plover			Bairds Sandpiper			Black-bellied Plover			Long-billed Dowitcher			Common Snipe			Ruddy Turnstone			Semipalmated Plover				Tundra Swan				Black Brant					
	n	Total	#/ sq km	n	Total	#/ sq km	n	Total	#/ sq km	n	Total	#/ sq km	n	Total	#/ sq km	n	Total	#/ sq km	n	Total	#/ sq km	Nests/ sq km	n	Total	#/ sq km	Nests/ sq km	n	Total	#/ sq km			
2	0	0	0.00	0	0	0.00	0	0	0.00	1	1	38.99	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
3	2	7	3.79	1	1	0.54	6	9	4.88	20	47	25.47	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	4	3	1.63	1	1.63	0	0	0.00
6	0	0	0.00	0	0	0.00	0	0	0.00	1	5	160.57	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
7	0	0	0.00	0	0	0.00	1	1	59.74	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
8	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
9	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
10	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
11	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
12	1	1	0.72	0	0	0.00	1	1	0.72	3	6	4.33	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	2	4	2.89	0	0	0.00		
13	0	0	0.00	0	0	0.00	0	0	0.00	1	11	18.42	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
14	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	2	1.80	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
17	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	2	2	16.32	0	0	0.00	0	0	0.00	0	0	0.00		
18	0	0	0.00	0	0	0.00	0	0	0.00	4	18	6.79	2	2	0.75	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
19	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
20	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
21	0	0	0.00	0	0	0.00	0	0	0.00	1	15	284.74	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
22	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
23	0	0	0.00	0	0	0.00	1	4	13.66	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
24	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	3	3	71.23	0	0	0.00	0	0	0.00	0	0	0.00		
25	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
27	1	3	2.09	1	1	0.70	1	26	18.14	0	0	0.00	0	0	0.00	1	1	0.70	18	29	20.23	3	2.09	0	0	0.00	0	0	0.00			
28	1	2	1.41	1	2	1.41	0	0	0.00	1	1	0.71	0	0	0.00	0	0	0.00	12	18	12.70	0	0	0.00	0	0	0.00	0	0	0.00		
29	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
30	0	0	0.00	0	0	0.00	1	1	3.21	2	2	6.43	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
31	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	2	2	17.74	0	0	0.00		
32	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
33	0	0	0.00	0	0	0.00	0	0	0.00	2	2	2.74	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
34	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
35	2	2	2.84	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
36	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
37	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
38	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
40	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
41	0	0	0.00	0	0	0.00	0	0	0.00	1	4	9.97	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	5	14	34.90	0	0	0.00		
42	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
43	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
44	0	0	0.00	1	1	5.61	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
45	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
46	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
47	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
48	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
49	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
50	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	2	2	4.98	0	0	0.00	0	0	0.00	0	0	0.00		
51	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	1	0.78	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
52	1	3	1.71	0	0	0.00	0	0	0.00	0	0	0.00	5	8	4.55	0	0	0.00	1	1	0.57	0	0	0.00	0	0	0.00	0	0	0.00		
53	0	0	0.00	0	0	0.00	1	1	5.44	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
54	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
55	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
56	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
57	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
59	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Siteno's	8	18	0.85	4	5	0.24	12	43	2.03	37	112	5.29	8	12	0.57	1	1	0.05	39	56	2.64	3	0.14	13	23	1.09	1	0.14	2	2	0.09	
		51	0.25	51	0.16	51	2.07	51	10.96	51	10.96	0.14	51	0.01	51	2.49	0.04	51	1.12	0.03	51	0.04	51	0.04	51	1.12	0.03	51	0.00	0.10		
			0.11		0.11		1.24		6.37		6.37	0.10		0.01	</																	

Table B-1. Continued.

Site Number	Canada Goose			Mallard			Northern Pintail			Northern Shoveler			American Wigeon			Greater Scaup			Green-winged Teal			Spectacled Eider								
	n	Total sq km	Nests/ sq km	n	Total sq km	Nests/ sq km	n	Total sq km	Nests/ sq km	n	Total sq km	Nests/ sq km	n	Total sq km	Nests/ sq km	n	Total sq km	Nests/ sq km	n	Total sq km	Nests/ sq km	n	Total sq km	Nests/ sq km						
2	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
3	22	13.00	5.13	0	0.00	0.00	2	3.163	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	3	3.163	1.63						
6	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
7	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
8	0	0.00	0.00	0	0.00	0.00	4	53.80	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
9	2	10.96	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	3	13.45	1.20	0	0.00	0.00	0	0.00	0.00						
10	0	0.00	0.00	0	0.00	0.00	1	11.46	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
11	0	0.00	0.00	0	0.00	0.00	2	17.86	0.00	0	0.00	0.00	2	17.86	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
12	12	9.649	3.649	0	0.00	0.00	6	14.10	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	4	10.721	0.00						
13	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
14	2	4.360	0.00	0	0.00	0.00	11	42.3783	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
17	2	6.48	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	2	16.32	0.00						
18	0	0.00	0.00	0	0.00	0.00	4	97.3659	3.4	1.51	2	4.151	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	1.13						
19	2	27.12	0.00	0	0.00	0.00	2	3.4068	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	4	54.24	0.00						
20	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
21	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
22	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
23	8	10.34	2.2049	0	0.00	0.00	1	3.41	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
24	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
25	0	0.00	0.00	0	0.00	0.00	1	15.14	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
27	4	2.79	0.00	0	0.00	0.00	1	1.40	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
28	9	15.1059	1.212	0	0.00	0.00	1	0.71	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
29	0	0.00	0.00	0	0.00	0.00	1	3.76	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
30	1	2.643	0.00	0	0.00	0.00	6	19.29	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	1	3.21	0.00	0	0.00	0.00						
31	0	0.00	0.00	0	0.00	0.00	2	5.4435	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
32	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
33	6	8.1097	1.411	0	0.00	0.00	1	2.74	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
34	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
35	6	5.710	1.426	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
36	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
37	0	0.00	0.00	1	5.66	0.00	1	5.66	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
38	0	0.00	0.00	0	0.00	0.00	4	16.65	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
40	0	0.00	0.00	0	0.00	0.00	2	7.48	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
41	0	0.00	0.00	0	0.00	0.00	2	7.48	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
42	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
43	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
44	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
45	0	0.00	0.00	0	0.00	0.00	3	20.81	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
46	0	0.00	0.00	0	0.00	0.00	1	19.60	0.00	0	0.00	0.00	2	39.19	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
47	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
48	0	0.00	0.00	0	0.00	0.00	3	6.4487	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	1	14.96	0.00	1	7.48	0.00						
49	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
50	7	17.4229	0.00	0	0.00	0.00	15	34.8458	0.00	0	0.00	0.00	2	4.98	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
51	7	42.3283	0.00	1	7.04	0.00	8	52.4065	0.00	0	0.00	0.00	2	1.56	0.00	0	0.00	0.00	1	3.235	0.00	4	12.44	0.00						
52	12	15.853	2.341	0	0.00	0.00	6	7.398	0.00	0	0.00	0.00	1	0.57	0.00	0	0.00	0.00	6	9.512	0.00	6	12.683	1.71						
53	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
54	5	5.616	1.370	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	5	5.616	0.00						
55	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	2	67.61	0.00						
56	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
57	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
59	1	2.2069	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
Site's	106	172	8.12	16	2.27	2	10	0.47	89	312	14.73	3	4	0.19	4	6	0.28	12	12	0.57	1	0.14	15	22	1.04	36	54	2.55	4	0.57
			5.74	1.03	0.25			0.25	11.86	51	1.66			0.03	51		0.06	51		1.54		0.40	51		0.97	51		3.61		0.17
			0.80	0.14	0.03			0.03						0.00			0.01			0.22		0.06			0.14			0.51		0.02

Table B-1. Continued.

Site	Glaucous Gull				Sabine's Gull				Arctic Tern				Parasitic Jaeger				Pomarine Jaeger				Long-tailed Jaeger				Snow Bunting				Redpoll				
	n	Total	#/ sq km	Nests/ sq km	n	Total	#/ sq km	Nests/ sq km	n	Total	#/ sq km	Nests/ sq km	n	Total	#/ sq km	Nests/ sq km	n	Total	#/ sq km	Nests/ sq km	n	Total	#/ sq km	Nests/ sq km	n	Total	#/ sq km	Nests/ sq km					
2	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
3	5	9	4.88	0	1	1	0.54	0	0	0.00	5	8	4.33	0	0	0.00	1	2	1.08	1	1	0.54	0	0	0.00	0	0	0.00	0	0	0.00		
6	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
7	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	2	3	179.21	0	0	0.00	0	0	0.00		
8	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
9	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
10	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	2	2	5.73	0	0	0.00	0	0	0.00		
11	2	2	17.86	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
12	1	1	0.72	0	0	0	0.00	0	0	0.00	3	3	2.16	0	0	0.00	1	2	1.44	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
13	2	6	10.05	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
14	4	8	7.21	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	1	0.90	0	0	0.00	0	0	0.00	0	0	0.00		
17	1	1	8.16	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	2	2	16.32	0	0	0.00	1	2	16.32	0	0	0.00		
18	0	0	0.00	0	0	0	0.00	1	1	0.38	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
19	1	1	13.56	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	1	13.56	0	0	0.00	0	0	0.00	0	0	0.00		
20	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
21	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
22	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
23	5	7	23.90	2	20.49	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	
24	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
25	1	1	7.57	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
27	2	2	1.40	0	0	0	0.00	3	7	4.88	0	0	0.00	1	2	1.40	0	0	0.00	0	0	0.00	14	19	13.26	0	0	0.00	0	0	0.00		
28	4	8	5.65	1	2.12	2	2	1.41	0	0	0.00	0	0	0.00	1	1	0.71	0	0	0.00	5	59	41.64	0	0	0.00	0	0	0.00	0	0	0.00	
29	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	3	4	15.03	0	0	0.00	0	0	0.00	0	0	0.00		
30	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	7	8	25.72	0	0	0.00	0	0	0.00		
31	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	1	8.87	0	0	0.00	1	2	17.74	0	0	0.00		
32	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
33	2	3	4.11	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
34	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	2	2	79.27	0	0	0.00	0	0	0.00	0	0	0.00		
35	6	20	28.39	1	4.26	0	0	0.00	0	0	0.00	1	2	2.84	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	
36	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	1	11.29	0	0	0.00	0	0	0.00	0	0	0.00		
37	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
38	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
40	1	1	3.33	0	0	1	25	83.25	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	4	5	16.65	0	0	0.00	0	0	0.00	0	0	0.00	
41	0	0	0.00	0	0	0	0.00	0	0	0.00	1	2	4.99	0	0	0.00	0	0	0.00	2	2	4.99	0	0	0.00	0	0	0.00	0	0	0.00		
42	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
43	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	3	3	72.89	0	0	0.00	0	0	0.00	0	0	0.00		
44	1	2	11.22	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	3	5	28.04	0	0	0.00	0	0	0.00	0	0	0.00		
45	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	1	6.94	7	7	48.56	1	6.94	0	0	0.00	0	0	0.00	0	0	0.00
46	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
47	2	2	21.35	0	0	0	0.00	0	0	0.00	1	2	21.35	0	0	0.00	0	0	0.00	1	1	10.68	0	0	0.00	1	5	53.38	0	0	0.00		
48	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	1	7.48	0	0	0.00	0	0	0.00	0	0	0.00		
49	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	1	40.95	0	0	0.00	0	0	0.00	0	0	0.00		
50	1	1	2.49	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	4	4	9.95	0	0	0.00	0	0	0.00	0	0	0.00		
51	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	3	9	7.04	0	0	0.00	0	0	0.00	0	0	0.00		
52	0	0	0.00	0	0	0	0.00	0	0	0.00	2	2	1.14	0	0	0.00	0	0	0.00	6	8	4.55	0	0	0.00	0	0	0.00	0	0	0.00		
53	4	6	32.65	0	0	1	13	70.75	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	
54	0	0	0.00	0	0	0	0.00	1	2	2.46	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
55	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
56	0	0	0.00	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
57	1	1	19.04	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
59	0	0	0.00	0	0	0	0.00	0	0	0.00	1	2	20.69	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Site no's	46	82	3.87	4	0.57	8	48	2.27	2	3	0.14	15	23	1.09	1	1	0.05	3	5	0.24	77	150	7.08	1	0.05	4	12	0.57					
	5																																