

COLUMBIA ESTUARY CBC																										years	avg	
1979 to 2003	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003			
RED-THROATED LOON	5	4	5	10	35	1	3	5	3	1	30	9	12	6	4	8	2	6	3	3	13	11	8	1	15	25.00	8	
PACIFIC LOON	2		3	6	12	5	3		1	2	7	7	17	110	33	11	1	24	21		8	5	cw	10	12	22.00	14	
COMMON LOON	9	9	17	12	29	6	3	16	9	7	20	18	38	16	37	28	19	17	25	19	27	16	9	2	17	25.00	17	
YELLOW-BILLED LOON														1	1											2.00	1	
PIED-BILLED GREBE	14	11	10	25	24	17	36	20	11	10	9	19	11	5	17	5	8	17	21	61	10	34	24	35	37	25.00	20	
HORNED GREBE	22	8	4	45	14	18	18	20	7	6	26	28	20	50	26	61	40	12	75	30	21	31	8	22	12	25.00	25	
RED-NECKED GREBE	1	1		3	1		1	3	1	2		1	2	2	2			cw	5	3	4	1	2	1	1	20.00	2	
EARED GREBE	1			1		2						3	2	4	2	2			6	1	3	1			2	13.00	2	
WESTERN GREBE	84	85	241	267	1303	327	228	194	98	309	321	439	202	167	632	236	86	81	233	188	237	581	34	376	258	25.00	288	
CLARK'S GREBE							1				3		1		2	1	1		4		1	cw	1	1		11.00	2	
NORTHERN FULMAR				1															cw			4	1	31	6	6.00	9	
SHORT-TAILED SHEARWATER																						2				2.00		
shearwater sp.					6									1		1			3					1	1	6.00	2	
LEACH'S ST-PETREL																			cw							1.00		
FORK-TAIL ST-PETREL																			1							1.00		
BROWN PELICAN					1															1		cw		118		4.00	40	
DOUBLE-CRESTED CORMORANT	195	103	88	210	99	81	260	114	66	217	474	356	183	297	676	121	74	21	114	24	97	195	46	325	154	25.00	184	
BRANDT'S CORMORANT	7	2	11	17	25	4	11	16		13	5	18	3	4	12	11	2	14	17	1	1	4	1	19	10	24.00	10	
PELAGIC CORMORANT	3	2	5	6	35	10	1	4	7	24	67	20	21	58	93	63	4	19	61	30	36	36	71	28	21	25.00	29	
AMERICAN BITTERN			1		1		1	2				3	CW		CW	1		1	1			1	cw	2	2	14.00	1	
GREAT BLUE HERON	46	18	80	37	64	99	72	43	21	48	82	47	79	66	69	103	67	39	83	20	58	71	33	49	42	25.00	57	
GREAT EGRET											1			2	1			1								7.00	1	
CATTLE EGRET	2		1			2				1															1	4.00	2	
GREEN-BACKED HERON							7						1	1												3.00	3	
BLACK-CROWNED NIGHT-HERON											CW															1.00		
MUTE SWAN																	1									1.00		
TUNDRA SWAN			17			14	4				3										7	22				6.00	11	
TRUMPETER SWAN												4				13	9	21	7	4		8	7	2	1	5	11.00	7
GR WHITE-FRONTED GOOSE												2										26		1	13	4.00	10	
SNOW GOOSE							78																			1.00		
ROSS' GOOSE																								1	1	2.00		
CANADA GOOSE	115	19	122	6	1	31	182	145	36	235	805	990	833	834	849	284	307	438	275	319	778	657	260	1442	1110	25.00	443	
BRANT																		3	17							2.00	10	
WOOD DUCK				1				1	1		9	8	6			3		1	3		1		6	4	4	11	14.00	4
EUROPEAN G-W TEAL	21	107	60		56	28	281	9																		7.00	80	
AMERICAN G-W TEAL							1				81	172	70	100	128	222	88	42	11	29	31	13	158	94	42	48	17.00	78
MALLARD	354	81	168	70	660	416	786	344	109	390	613	335	683	348	1114	664	419	520	334	574	292	1294	593	903	711	25.00	511	
NORTHERN PINTAIL	12	96	51	17	879	714	3116	446	65	1337	1557	359	749	339	2136	40	41	402	220	312	97	1017	225	44	569	25.00	594	
CINNAMON TEAL				1	7						24	8	4	8	cw	cw	3							6		11.00	7	
BLUE-WINGED TEAL																							1		2	2	3.00	
NORTHERN SHOVELER	1	6			6	24	13	8	8	127	197	113	48	115	215	108	10	44	55	296	102	115	17	322	135	23.00	91	
GADWALL				2	3	21	24	26	4	8	37	56	12	35	33	31	41		7	14	22	45	53	74	112	21.00	31	
EURASIAN WIGEON						1				1				1												1	6.00	1
AMERICAN WIGEON	641	200	67	318	890	929	2787	878	266	363	1072	1881	326	599	1066	283	51	112	231	115	94	130	167	640	148	25.00	570	
CANVASBACK	633	553	945	1393	2380	292	205	476	284	622	621	622	249	997	498	1174	149	67	124	55	159	35	cw	30	13	25.00	524	
REDHEAD	4	2		1	1			1	2		12			1						1						10.00	3	
RING-NECKED DUCK	28	35	13	14	11	26	65	70	8	9	35	11	6	25	65	32	5	3	48	59	32	41	64	75	101	25.00	35	
GREATER SCAUP	90	284	212	233	255	141	81	361	12	309	313	325	1137	1041	40	939	847	181	223	610	632	711	281	295	403	25.00	398	
LESSER SCAUP	47	64	35	43	75	19	61	238	51	322	598	236	108	221	378	342	52	124	223	307	519	363	291	181	459	25.00	214	
HARLEQUIN DUCK												1			1												2.00	1
OLDSQUAW	1			1								1				cw		1		5	1			1		8.00	2	
BLACK SCOTER	2	29	21	68	85	24	11	25	15	8	7	3	11	33	37	30	24	45	64		3				11	21.00	26	
SURF SCOTER	148	105	457	335	698	544	106	126	112	212	282	237	158	59	130	41	112	301	342	227	146	205	1306	365	114	25.00	275	
WHITE-WINGED SCOTER	7	8	3	124	64	179	30	5	21	70	50	24	49	84	51	13	20	4	16	4	24	6	41	3	97	25.00	40	
COMMON GOLDENEYE	3	14	15	10	4	23	33	10	10	2	18	12	5	9	12	19	4	16	16	16	9	18	1	12	5	25.00	12	
BARROW'S GOLDENEYE											1	1												3	1	4.00	2	
BUFFLEHEAD	143	110	122	254	124	222	299	160	135	217	314	383	459	459	674	548	411	342	584	423	550	1178	96	1148	1924	25.00	451	
HOODED MERGANSER	27	26	5	10	21	74	60	46	57	17	40	34	146	71	28	34	33	41	63	115	46	109	13	65	97	25.00	51	
COMMON MERGANSER	37	54	25	4	45	51	62	35	16	43	131	67	43	194	139	101	42	48	39	61	121	194	26	109	13	25.00	68	
RED-BREASTED MERGANSER	1	14	6	21	9	19	27	15	4	3	22	103	42	10	13	19	19	19	11	12	22	14	5	8	7	25.00	18	
RUDDY DUCK	82	236	85	71	250	452	38	26	95	88	59	101	143	242	69	109	316	28	106	86	49	69	86	38	73	25.00	120	
WHITE-TAILED KITE				1			4	4	1	5	4	6	6	2	3	1	3	1		2		2	cw	4	2	18.00	3	

COLUMBIA ESTUARY CBC																												
1979 to 2003																												
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	years	avg	
BALD EAGLE			2	4	4	4	4	3	5	4	8	9	15	19	14	18	9	17	23	22	25	22	4	11	12	23.00	11	
NORTHERN HARRIER	18	19	19	15	18	13	20	11	11	32	27	20	16	19	21	21	11	17	10	18	10	13	9	13	26	25.00	17	
SHARP-SHINNED HAWK	1	1	5	3	2	3		1	1	1	1	1	4	4	1	1			1	2	2	6	1	2	2	21.00	2	
COOPER'S HAWK	3		1	2	1		1	2		2	1	3	2	1	1	2		2	2	1	1	1			2	19.00	2	
RED-SHOULDERED HAWK																								1	1	2.00		
RED-TAILED HAWK	16	5	17	16	27	18	24	17	7	25	27	26	31	23	45	28	8	26	34	26	16	27	13	23	21	25.00	22	
ROUGH-LEGGED HAWK		1	4	3		4	2	1	1	1	3	2	3	2	5	2	1					4	2	1	2	20.00	2	
OSPREY																									1	1.00		
AMERICAN KESTREL	3		1	2	8	6	1	6		3	2	7	1	6	1	4	1	1	2	1	1	1	1	2	5	22.00	3	
MERLIN	1	1		2		2	1	1	1		3	1	1	1	2	2	1		1	2	2	1		1	2	20.00	1	
PEREGRIN FALCON						1	1				2	2	1	4	3	5	3	2	4	3	1	3	1	3	2	17.00	2	
CYRFALCON			1							1						1										3.00	1	
RING-NECKED PHEASANT	1		2			1		1			1	1	1	1					2				7	1	3	11.00	2	
RUFFED GROUSE	1		2	2	2	2	3		1			1	3	1	1					1	1	2	1	1	2	17.00	2	
CALIFORNIA QUAIL																	3									2.00	6	
quail sp.	1			1																						2.00		
VIRGINIA RAIL	1	1	3		2	6		3		17	9	26	8	9	5	13	5	5	15	4	7	10	3	5	11	22.00	8	
SORA						1			1	1						3				3		1	2			8.00	2	
AMERICAN COOT	546	83	82	276	980	335	1394	209	218	134	310	614	121	153	93	382	167	76	179	101	189	219	36	144	45	25.00	283	
BLACK-BELLIED PLOVER		300		205			5	15		1			8	1	1	4	500	2		20	11	21		70		15.00	89	
"LESSER" GOLDEN PLOVER			2																							1.00		
SNOWY PLOVER				2																						1.00		
SEMI PALMATED PLOVER						3			4						3	1	3	5	3	10			1		16	10.00	5	
KILLDEER	60	20	131	27	61	220	129	17	14	52	11	33	33	21	41	15	9	15	61	206	13	32	7	42	13	25.00	51	
BLACK OYSTERCATCHER			2								6							1								3.00	3	
GREATER YELLOWLEGS		18	20	24	14	6	1	2		3		7	6	1	8	4	1	7	4	12		2	1	10	7	21.00	8	
LESSER YELLOWLEGS																			1							1.00		
SPOTTED SANDPIPER	1		2	2	4						1	2		1	1	1	1	2	8	32	2	5	1	2	2	18.00	4	
godwit sp.																	1									1.00		
WHIMBREL			1																							1.00		
RUDDY TURNSTONE				1											1											2.00	1	
BLACK TURNSTONE	104		19	37	21	28		25	3		6	14	21	1	66			7		6			9	5	9	17.00	22	
SURFBIRD			17		4				1		375	9		1	32				4	2			231		11	11.00	62	
RED KNOT			1												1											2.00	1	
SANDERLING	571	243	756	1185	5853		530	289	28	53	1064	65	148	7	51	520	212	209	611	287	765		1	232	1074	23.00	641	
WESTERN SANDPIPER		100	67	11	17	1	71	81	1	1	1	5	2	2	135	1	1	15	52	218	3	6	43			21.00	45	
LEAST SANDPIPER		25	113	13	33		60	33	9	25	17	1			50	10	49	39	2	86	38	20	35	5	205	21.00	41	
ROCK SANDPIPER						3					2				1											4.00	2	
DUNLIN	173	20483	10593	3216	9465		5577	2717	40	1356	2397	314	7451	7750	3338	2596	2934	2287	6449	3532	3377	7424	262	2413	2853	24.00	4542	
LEAST/WESTERN SANDPIPER												11						15								2.00	13	
LONG-BILLED DOWITCHER		11		2	2	2	2			95	90	28	8	2	116			2		8		1		6	10	16.00	26	
COMMON SNIZE	61	9	87	20	80	3	89	18	95	11	15	25	16	9	26	7	10	4	4	18		19	22	25	11	24.00	28	
RED PHALAROPE				2				1	5	2							451			2				3	154	8.00	78	
BLACK-HEADED GULL			1																							1.00		
BONAPART'S GULL	54	4	3		4	1		1		3	2	1	3	10	6	19	7	3		1	25	6	3	27		20.00	9	
MEW GULL	5	41	3	7	9	16	17	33	78	822	544	1224	638	362	162	125	161	597	241	372	183	351	380	363	706	25.00	298	
RING-BILLED GULL	107	426	161	84	544	519	2991	131	18	135	87	67	21	3	16	2	3	6	10	4	1	7	3	15	3	25.00	215	
CALIFORNIA GULL	1	17	4	11	3	8	7	2	2	2	6	120		4	96	5				21	1		11	12	23	20.00	18	
HERRING GULL	76	76	10	2	12	5	6		11	9	6	4		1	6				2	1	1	8	15	2	21	20.00	14	
THAYER'S GULL	1	2	1	8	19	14	10	1	12	5	4	1		1	1							2	1	2	4	18.00	5	
WESTERN GULL	1512	2150	1716	558	777	520	564	504	255	1404	392	327	412	333	266	525	104	41	133	260	325	93	124	1067	443	25.00	592	
GLAUCOUS-WINGED GULL	1053	2576	3430	1869	2089	816	930	78	81	399	158	214	197	139	196	505	135	123	56	126	114	200	126	570	126	25.00	652	
GLAUCOUS GULL	1	1	2		3		1	2			2	2			1					1	1	1				12.00	2	
BLACK-LEGGED KITTIWAKE		1		1	1		60			1	70	14	8	22	4	1	10	12	19		1	13			2	55	18.00	16
BLACK TERN	1			1	1																					3.00	1	
COMMON MURRE	1		3	31	255	2				1			1	10	60	2		2	2		1	1		1	24	16.00	25	
PIGEON GUILLEMOT										1	1			1				1		1						5.00	1	
ANCIENT MURRELET	1				18		4				12	1						6	1							7.00	6	
CASSIN'S AUKLET				3											1											3.00	2	
RHINOCERUS AUKLET														1				1	1				1			4.00	1	
ROCK DOVE	71	49	30	36	161	66	130	113	114	214	389	118	173	292	286	201	95	414	235									

COLUMBIA ESTUARY CBC																														
1979 to 2003																														
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003		years	avg		
BARN OWL		2	4	3	1	1	2		2		2	1	1				1		1	1		1		1			15.00	2		
WESTERN SCREECH OWL	1									2	2	2	1		1		1	1			2							9.00	1	
GREAT HORNED OWL	1				2						3	2	1		2	2	1	1	1	1	1	1	1	1	1	1		16.00	1	
SNOWY OWL		1	1			1	1											1					2					7.00	1	
N PYGMY OWL				1														1										2.00	1	
SHORT-EARED OWL	1		2				1			2													2					5.00	2	
N SAW-WHET OWL			1			1						1					1									1		5.00	1	
ANNA'S HUMMINGBIRD										1						1	2	2	2	5	3	3	2	3	4			11.00	3	
BELTED KINGFISHER	5	3	5	7	9	8	12	9	6	10	12	17	20	11	22	10	13	12	17	6	12	18	3	16	24			25.00	11	
RED-NAPED SAPSUCKER												1																1.00		
RED-BREADED SAPSUCKER		1	1	2	1		2	1			1	1	1		1	1	1				3		1					13.00	1	
DOWNY WOODPECKER	12	4	13	9	21	9	14	3	3	3	18	5	18	11	6	5	1	5	11	8	12	12	4	6	13			25.00	9	
HAIRY WOODPECKER	6	1	11	3	7	12	9	2		1	11	2	10	6	7	2	1	6	4	4	4	4	6	4	5			23.00	5	
N FLICKER (red-shafted)	66	53	63	73	94	38	50	44	23	23	47	69	52	96	52	69	45	58	55	36	45	52	38	59	74			25.00	55	
N FLICKER (yel-shafted)		1				1																						2.00	1	
PILEATED WOODPECKER	1		3				2							1						7	4	1	1		1			9.00	2	
TROPICAL KINGBIRD											1														1			2.00	1	
HORNED LARK		1					1				3														1			4.00	2	
STELLER'S JAY	17	8	36	33	25	36	79	45	12	11	34	39	32	50	32	50	29	70	89	73	41	62	6	35	61			25.00	40	
SCRUB JAY												1	5	6	5	6	9	13	8	12	15	13	19	22			14.00	10		
AMERICAN CROW	1120	793	1914	1567	2284	1548	814	501	95	704	2048	693	674	551	410	842	582	625	515	401	681	553	453	408	880			25.00	866	
COMMON RAVEN	8	4		3	7	14	9	3	6	1	20	16	8	4	17	7	5	14	23	16	43	27	5	15	24			24.00	12	
BARN SWALLOW																								3				1.00		
BLACK-CAPPED CHICKADEE	101	13	66	65	189	34	45	37	25	28	70	78	79	69	127	113	70	83	98	39	212	129	22	125	97			25.00	81	
MOUNTAIN CHICKADEE						11		2																				2.00	6	
CHESTNUT-BACKED CHICKADEE	96	40	144	61	439	146	200	184	4	19	128	87	51	94	58	59	61	73	83	65	58	146	8	75	80			25.00	98	
BUSH TIT	10	30	135	55	95	143	32		20		92	95	21	115	57		21	13	22	20	20	87	64	57	82			22.00	58	
RED-BREADED NUTHATCH	75		5		129		1	37			5	9		3		2	1	14	7	6	1	46		4	82			17.00	25	
WHITE-BREADED NUTHATCH			1								1																	2.00		
BROWN CREEPER	6	2	9	1	1	4	4	11	1		6	3	3	4		2	1	6	4	3	4	7	1	4	4			23.00	4	
BEWICK'S WREN	22	4	28	25	25	17	17	11	8	4	34	18	18	12	45	18	14	17	20	15	21	16	2	12	30			25.00	18	
WINTER WREN	33	40	158	86	334	71	84	94	14	20	136	136	64	29	68	38	13	26	72	17	126	48	13	31	43			25.00	72	
MARSH WREN	18	4	37	35	94	23	23	18	43	37	112	227	78	40	25	27	20	20	37	3	27	35	12	35	88			25.00	45	
GOLDEN-CROWNED KINGLET	281	178	403	226	449	296	369	479	121	117	339	386	104	411	440	231	71	174	259	125	364	292	115	102	165			25.00	260	
RUBY-CROWNED KINGLET	60	34	115	53	185	78	85	44	37	48	114	294	36	171	80	44	32	71	123	79		134	61	126	237			24.00	98	
NORTHERN MOCKINGBIRD															1			1										2.00		
HERMIT THRUSH			2	5		2	26	6			11	5	1	7	4	1		4	2	26	1	6	21	5	19			19.00	8	
AMERICAN ROBIN	362	23	157	213	94	69	152	64	94	18	316	24	269	82	79	88	79	97	39	93	88	140	95	235	259			25.00	129	
VARIED THRUSH	51	65	152	16	94	73	61	78	32	3	228	46	38	127	22	73	13	200	29	409	43	87	161	58	41			25.00	88	
MOUNTAIN BLUEBIRD																	1											1.00		
WRENTIT	1	1	15	2	44	23	9	10		2	21	4	1	9	2	3	7	3	7	3	8	4		1	5			23.00	8	
AMERICAN PIPIT							1						1							1								2.00	1	
CEDAR WAXWING				10	4					1	1				16			27	5	1		1		1	1	1	1	1	12.00	8
NORTHERN SHRIKE	1	1	6	3	5		3		1	2	5	2	3	2	2	1		2	1					1	1	1	1	19.00	3	
LOGGERHEAD SHRIKE												1																1.00		
EUROPEAN STARLING	4788	5456	14808	2828	10031	6282	9767	5563	354	15740	12387	16055	15989	15831	21568	16731	15771	16226	16242	16544	15833	18506	16519	17067	20665			25.00	13102	
HUTTON'S VIREO		1	6		2	3	4	1		1	2	3	1	1	1	3	1	2	5	2	1	3	1	1	1	1			20.00	2
ORANGE-CROWNED WARBLER			1	1		1		2				1	1	1	2	1					2	7	4	4	2	1			15.00	2
TENNESSEE WARBLER																								1				1.00		
NASHVILLE WARBLER																				1			1		1			3.00	1	
YELLOW-RUMPED WARBLER	12	7	25		7		2	7	4	1	7	56		117	21	138	41	127	30	176	70	270	3	68	218			22.00	64	
TOWNSEND'S WARBLER	4		63					3	2	11	10	8		14	7	11	26	8	53	23	32	21	8	5	16			19.00	17	
PALM WARBLER											1		1									1				1			6.00	1
COMMON YELLOWTHROAT						1														1						1			2.00	1
DICKCISSEL										1																		1.00		
SPOTTED TOWHEE	6	5	27	22	51	47	85		6	3	52	41	57	57	29	28	15	69	55	48	24	39	9	31	45			24.00	35	
CLAY-COLORED SPARROW												1											1		1				3.00	1
SAVANNAH SPARROW				1	1					1	2					6				1	2			1	1	1		9.00	2	
FOX SPARROW	39	83	471	132	281	392	593	51	26	103	442	400	326	212	261	167	62	171	171	252	145	150	82	212	293			25.00	221	
SONG SPARROW	86	194	557	278	433	461	565	264	122	91	420	733	454	341	374	244	165	282	338	263	359	317	114	372	417			25.00	330	
LINCOLN'S SPARROW			1		1	1			1	2	2	5	5	3	1	1	1	3	2	4	6	24	5	23	18			20.00	5	
SWAMP SPARROW											3	2	4	1	1	1		1		1	3	2	1	1	1	1			13.00	2
WHITE-THROATED SPARROW										2	1	1	1			1	2							2	1	1			9.00	1

COLUMBIA ESTUARY CBC																									years	avg				
1979 to 2003	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003					
GOLDEN-CROWNED SPARROW	8	37	36	40	38	18	9	18	25	63	154	205	122	212	80	31	19	29	35	147	92	83	32	92	142		25.00	71		
WHITE-CROWNED SPARROW	1	5	79	26	14	18	8	19	1	6	19	82	14	34	47	37	12	29	30	42	56	46	11	28	21		25.00	27		
DARK-EYED JUNCO (Oregon)	369	208	265	228	253	209	225	172	153	85	379	303	241	238	173	246	263	271	344	243	229	307	119	761	496		25.00	271		
D-E JUNCO(slate-colored)			1					1																			2.00	1		
LAPLAND LONGSPUR		1													3							3					3.00	2		
SNOW BUNTING		3				11	1					1					1										6.00	3		
RED-WINGED BLACKBIRD	13	48	227	278	82	178	244	10	62	499	56	825	102	354	55	5	45	91	386	38	378	88	34	467	155		25.00	189		
WESTERN MEADOWLARK	1	7	43	3	3	3	61	12	22	6	4	6	7	12	3	8	12	1		8		4	2	26	cw		23.00	12		
BREWER'S BLACKBIRD	14	5	192	168	146	64	73	57		184	187	107	91	72	28	34	64	74	58	25	19	75	23	88	25		24.00	78		
BROWN-HEADED COWBIRD	1						1				1	2		2	10	1	3			2	1	1	2		2	3		14.00	2	
PINE GROSBEEK											32																	1.00		
PURPLE FINCH	16	2	16	353	14	3	72	4	6	6	68	9	10	2	19	12	1	30	10	5	21	50	9	6	59		25.00	32		
HOUSE FINCH	89	29	80	22	86	75	304	8	26	111	118	33	65	135	70	66	58	95	176	21	126	209	29	153	237		25.00	97		
RED CROSSBILL	102	8	14		23					52		14	79	28	32		86	15		63	14					22		16.00	39	
COMMON REDPOLL																									25			1.00		
PINE SISKIN	330	105	356	1	129	2688	132	371	120	367	823	203	8	789	94	148	22	447	57	95	7	802	97	495	280		25.00	359		
AMERICAN GOLDFINCH		34	7	30	4	73	4				33	1	7	CW	10	24	4				1	2		24	51		17.00	19		
EVENING GROSBEEK								1			1	9																3.00	4	
HOUSE SPARROW	30	7	43	20	41	39	46	49	8	27	30	25	85	17	23	24	32	47	48	30	32	71	24	31	124		25.00	38		
200 loon sp			80																			5		2						
grebe sp.	2																													
cormorant sp.	7	6																												
scaup sp.		500			60								620	18	549				2							44	25			
accipiter sp.																										40	1			
calidris sp.																													136	
sandpiper sp	56																					590	20							
WESTERN X GLAUCOUS-WING gull sp.	263	3400			400	930	113		22	927	276	915	558	1229	633	1605	676	685	418	343		626	207	1402	25					
alcid sp.													1													1			2.00	1
sm owl sp																						1								
	15826	40487	41072	18308	45393	21607	36052	16731	4076	30033	34010	33239	35484	38090	39766	32714	26648	28060	33199	30092	28864	40529	24182	36201	39883					33187
	107	101	120	113	115	110	115	105	94	108	130	131	122	119	126	120	121	116	124	119	111	133	101	132	129			207	116.9	