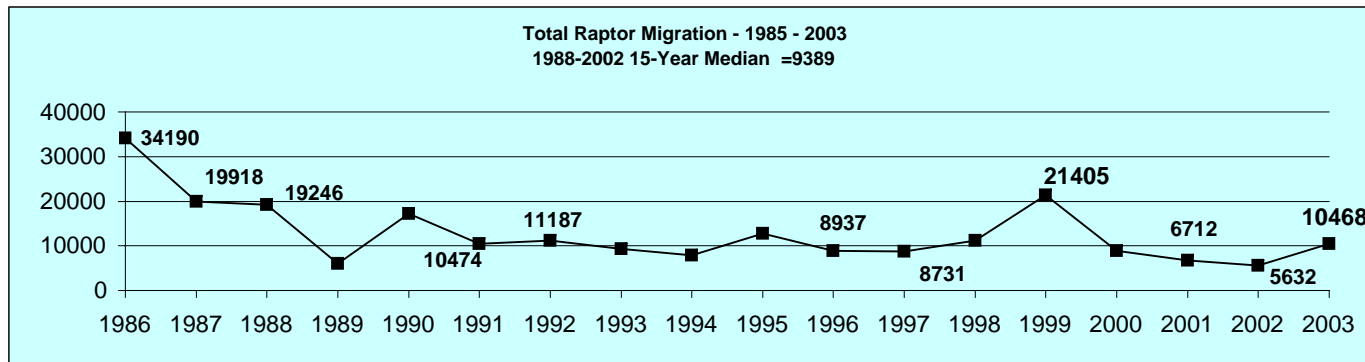


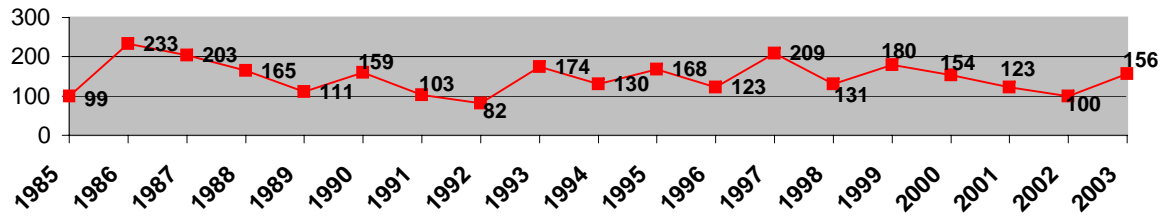
Rockfish Gap Hawk Watch - 2003 Report
By Brenda Tekin

ROCKFISH GAP HAWK WATCH YEARLY TOTALS - 1976 - 2003

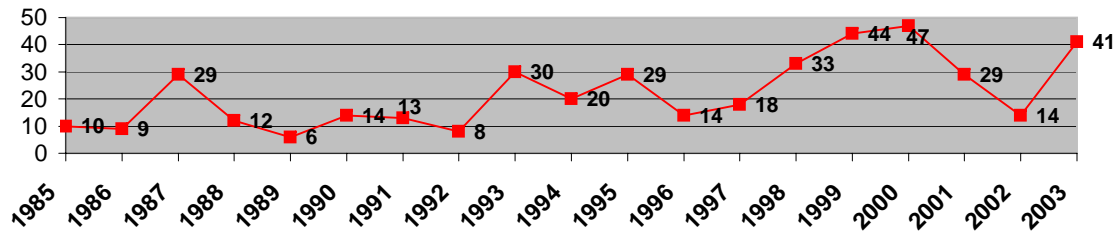
Year	Day	Hours	BV	TV	OS	MK	BE	NH	SS	CH	NG	RS	BW	SW	RT	RL	GE	AK	ME	PG	UN	Total
1976	1	6	0	11	1	0	0	2	18	2	0	2	713	0	11	0	0	1	0	0	4	765
1977	4	22	5	10	3	0	0	1	41	2	0	0	1142	0	4	0	0	4	0	0	21	1233
1978	2	12	6	18	2	0	0	0	34	0	0	0	32	0	16	0	0	2	0	0	12	122
1979	8	38	41	29	20	0	0	2	60	8	0	1	2094	0	24	0	0	4	0	0	14	2297
1980	11	67	55	120	30	0	1	7	149	9	0	1	7810	0	16	0	1	5	2	0	17	8223
1981	12	88	71	36	83	0	3	12	533	20	0	3	9058	0	23	0	0	36	1	0	19	9898
1982	19	139	6	0	67	0	0	2	351	10	0	0	4734	0	7	0	0	32	1	0	5	5215
1983	68	439	96	404	62	0	5	48	1194	6	1	3	14644	0	1453	1	1	57	0	0	54	18029
1984	28	171	7	241	75	0	3	10	440	14	0	5	9858	0	179	0	1	22	1	1	39	10896
1985	66	377	0	237	99	0	10	97	1334	32	2	21	19936	0	2101	0	5	68	3	5	69	24019
1986	73	469	61	516	233	0	9	159	3644	51	3	40	27755	0	1334	0	5	260	8	5	107	34190
1987	65	318	24	102	203	0	29	80	1269	87	4	29	17119	0	759	0	3	159	8	4	39	19918
1988	96	600	177	375	165	0	12	114	2137	103	3	40	14186	0	1643	0	8	151	9	3	120	19246
1989	68	371	41	315	111	0	6	44	1479	86	2	35	3089	0	686	0	6	85	0	8	89	6082
1990	69	392	5	18	159	0	14	67	1431	119	4	35	14735	0	443	0	5	107	4	5	115	17266
1991	44	250	0	2	103	0	13	49	633	37	1	17	9386	1	119	1	3	61	3	5	40	10474
1992	46	246	2	207	82	0	8	42	448	85	0	18	10020	0	189	0	1	33	7	6	39	11187
1993	93	669	105	1020	174	0	30	88	901	98	3	63	6031	0	668	0	6	57	5	7	133	9389
1994	97	667	322	868	130	0	20	94	1046	199	9.2	60	4198	2	603	1	4	94	16	11	178	7855
1995	92	576	144	504	168	0	29	93	1106	207	2	50	9012	0	1181	1	6	104	20	34	159	12820
1996	84	532	122	560	123	0	14	48	786	173	7	40	5746	0	1066	0	17	85	4	13	133	8937
1997	82	523	233	596	209	0	18	92	962	289	1	26	5430	0	566	0	5	88	13	38	165	8731
1998	83	529	222	538	131	1	33	77	495	154	0	31	8827	0	528	0	6	91	20	17	81	11252
1999	74	473	344	530	180	0	44	71	620	140	15	42	18447	0	747	0	5	96	12	18	94	21405
2000	86	536	63	228	154	0	47	34	819	271	5	28	6502	0	438	0	4	106	15	26	88	8828
2001	81	475	58	87	123	0	29	52	746	206	5	38	4569	0	582	1	3	100	17	23	73	6712
2002	64	339			100	1	14	42	695	121	6	25	3650	0	807	0	4	101	6	23	37	5632
2003	67	333			156	1	41	37	637	159	6	20	8754	0	450	0	7	112	23	28	37	10468
Totals	1583	9657	2210	7572	3146	3	432	1464	24008	2688	79	673	247477	3	16643	5	106	2121	198	280	1981	300621
#Days	Hours	BV	TV	OS	MK	BE	NH	SS	CH	NG	RS	BW	SW	RT	RL	GE	AK	ME	PG	UN	Total	
15-yr avg	523	105	504	154	0	20	71	901	140	3	35	8827	0	603	0	5	94	9	11	94	10474	



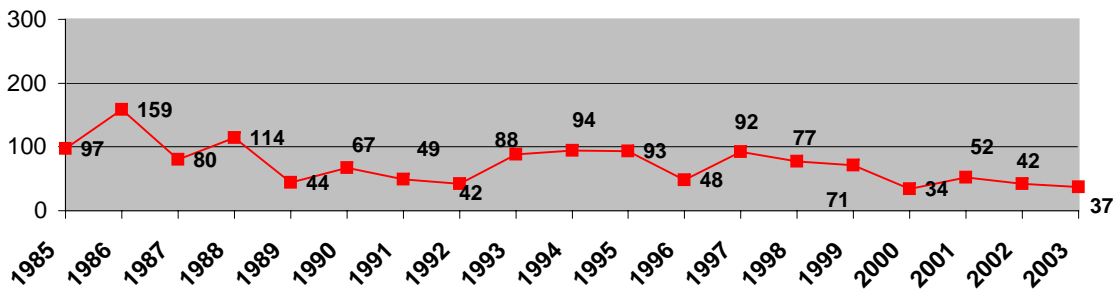
Osprey Migration - 1985 - 2003
 1988-2002 15-Year Median = 131 (down from 154)

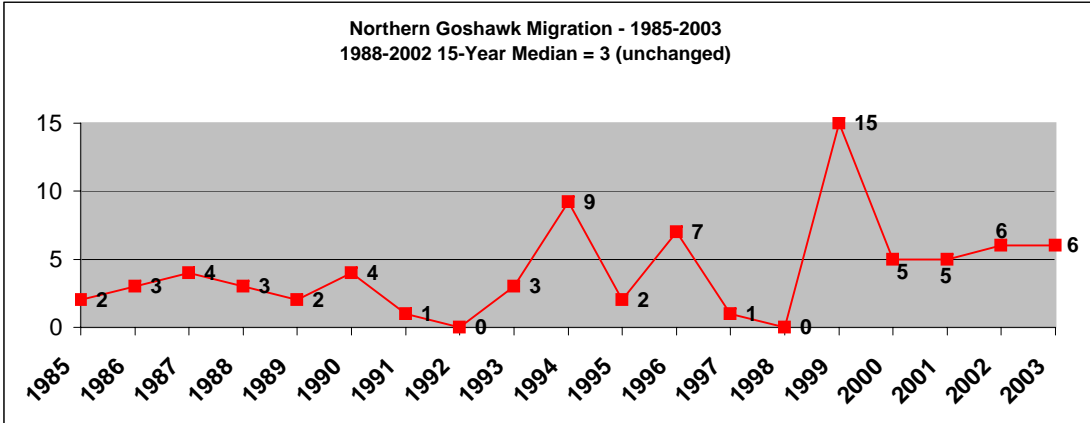
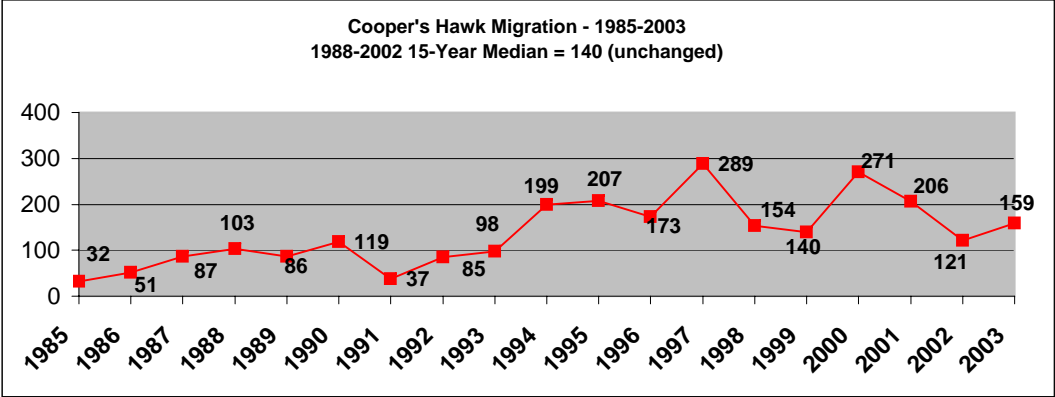
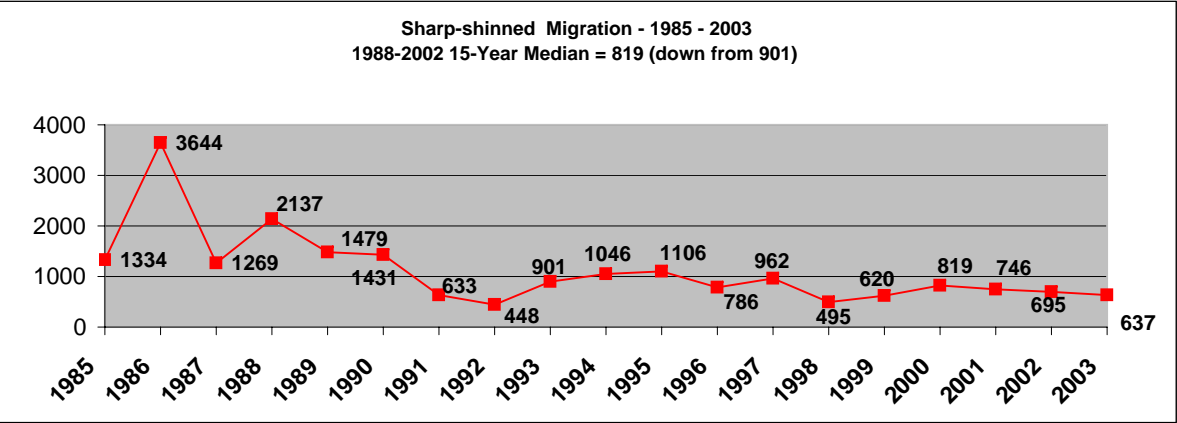


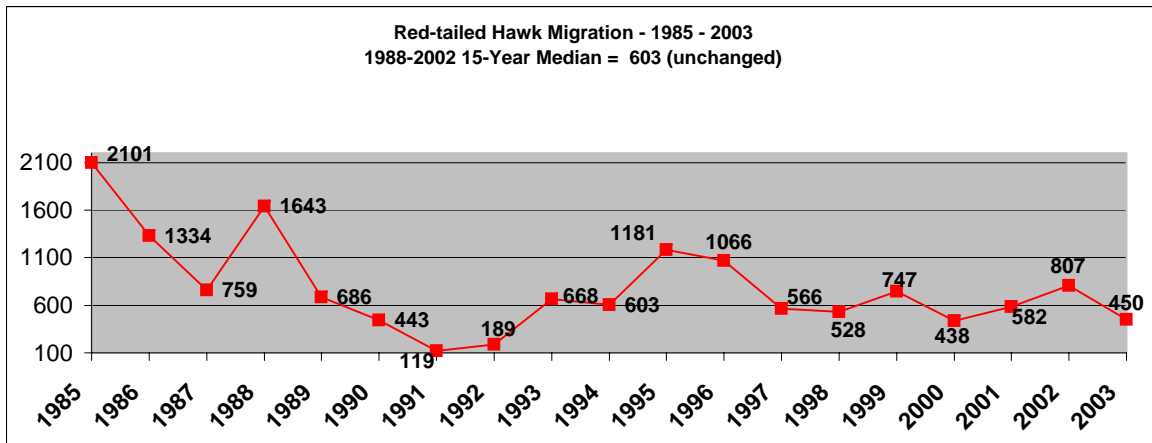
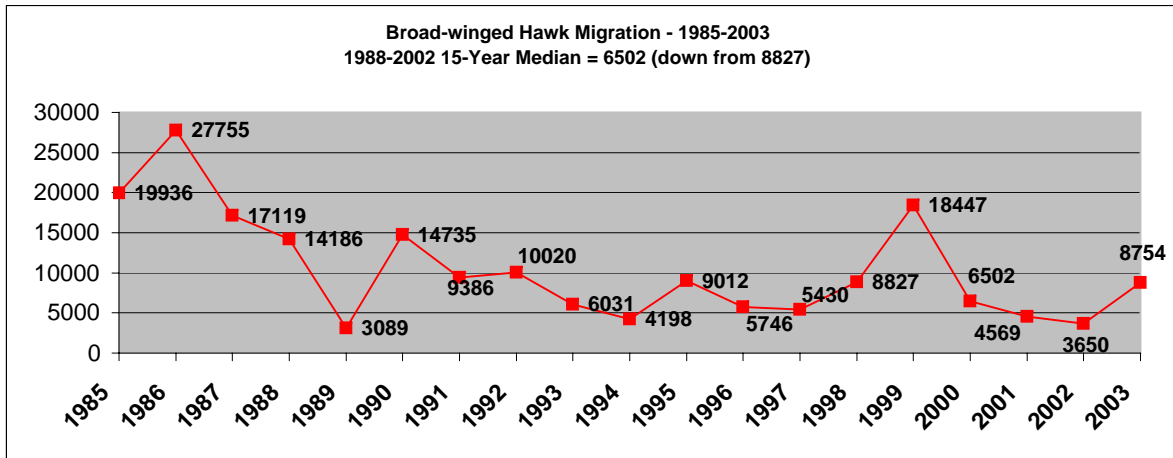
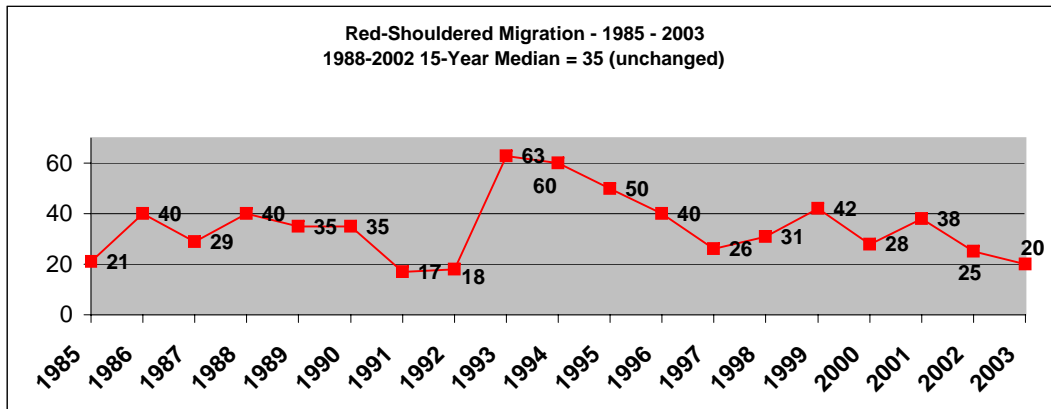
Bald Eagle Migration - 1985 - 2003
 1988-2002 15-Year Median = 18 (down from 20)

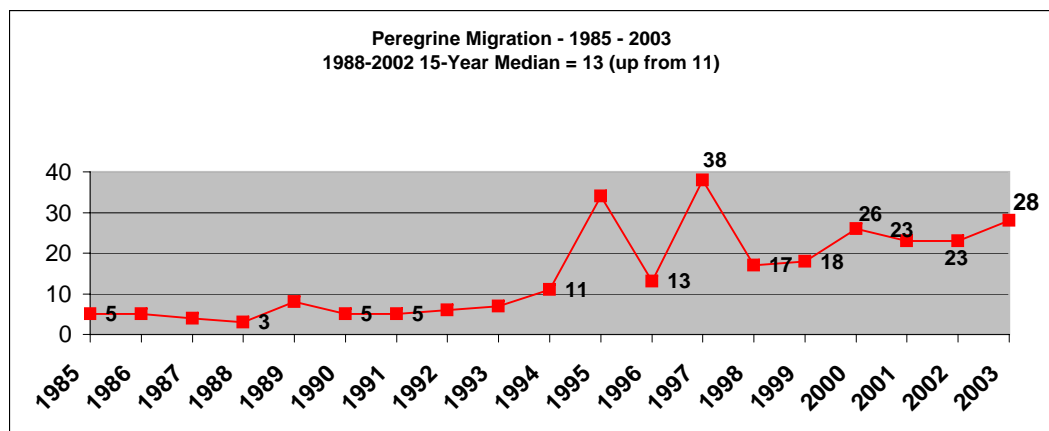
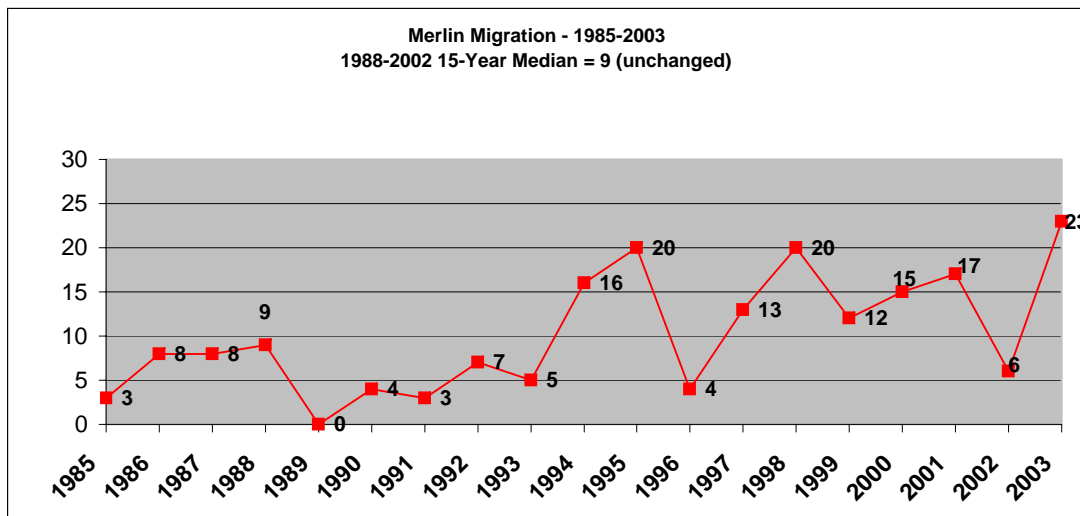
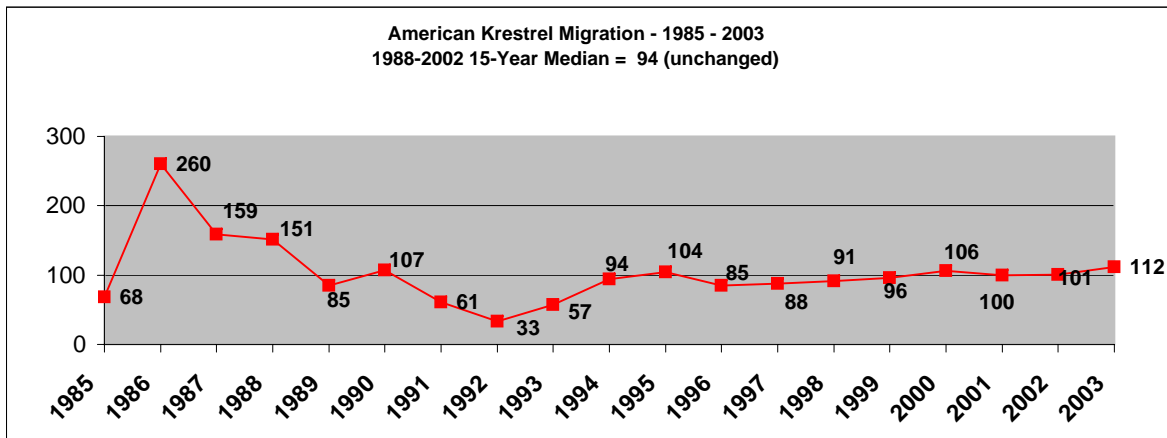


Northern Harrier Migration - 1985-2003
 1988-2002 15-Year Median = 67 (down from 71)

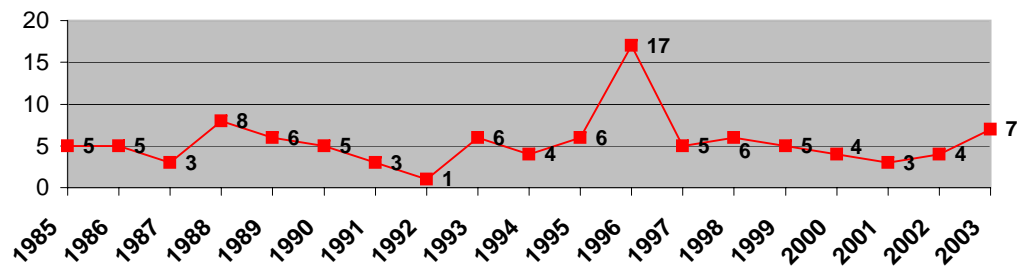








Golden Eagle Migration - 1985-2003
1988-2002 15-Year Median = 5 (unchanged)



Rockfish Gap Hawk Watch Raptor Count Data Fall 2003

DAY	Date	OS	BE	NH	SS	CH	NG	RS	BW	RT	RL	GE	AK	ML	PG	UR	MK	TOTAL	Counter(s)
Sat	16-Aug	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2	GA
Sun	17-Aug	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	RP
Mon	18-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BT
Tue	19-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GA,BT
Wed	20-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	RP
Thu	21-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BT
Fri	22-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BT
Sat	23-Aug	1	2	0	1	0	0	0	6	2	0	0	0	0	0	0	0	12	GA,AL,BT
Sun	24-Aug	1	0	0	3	0	0	0	30	1	0	1	1	0	0	1	0	38	GA,JB,RP,BT
Mon	25-Aug																	0	NO Coverage
Tue	26-Aug	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	BT
Wed	27-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	RP,BT
Thu	28-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BT
Fri	29-Aug	2	2	0	0	0	0	0	2	0	0	0	0	0	0	0	1	7	GA,BT
Sat	30-Aug	2	1	0	1	0	0	0	15	2	0	0	2	1	0	1	0	25	GA,TF,TP,BT
Sun	31-Aug																	0	NO COV-fog/rain
Mon	1-Sep	3	1	0	0	1	1	0	13	1	0	0	0	0	0	1	0	21	GA,BT
Tue	2-Sep																	0	NO COV-fog/rain
Wed	3-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	JG (fog/rain)
Thu	4-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BT
Fri	5-Sep	0	1	1	2	1	0	0	1	0	0	0	0	0	0	0	0	6	RP
Sat	6-Sep	3	1	1	1	0	0	0	5	1	0	0	0	0	0	0	0	12	JB,EL
Sun	7-Sep	4	1	0	0	1	0	0	18	2	0	0	2	0	0	0	0	28	PA,JB,EL,RP,BT
Mon	8-Sep	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	DL, EL
Tue	9-Sep	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4	BT
Wed	10-Sep	7	3	0	2	1	0	0	67	1	0	0	1	0	0	0	0	82	TF,JG,RP,SS,BT
Thu	11-Sep	4	1	1	5	0	0	1	321	0	0	0	5	0	0	0	0	338	CM
Fri	12-Sep	0	0	0	0	0	0	0	6	1	0	0	0	0	0	0	0	7	TF
Sat	13-Sep																	0	NO COV-fog/rain
Sun	14-Sep	3	0	0	2	0	0	0	84	1	0	0	1	0	1	1	0	93	GA,PA,JG,TP,BT
Mon	15-Sep	3	0	1	2	0	0	0	66	1	0	0	0	1	1	0	0	75	NC,TF,BT
Tue	16-Sep	5	3	0	1	4	0	0	286	3	0	0	0	0	0	0	0	302	GA,JB,NC,SS,BT
Wed	17-Sep	6	1	0	6	4	0	0	262	6	0	0	4	0	1	8	0	298	JB,NC,JG,AL,BT
Thu	18-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CM (Isabel rolled in)
Fri	19-Sep	1	0	0	0	0	0	0	11	0	0	0	0	0	2	0	0	14	BT
Sat	20-Sep	5	1	0	12	2	0	0	562	1	0	0	7	1	1	2	0	594	GA,BT
Sun	21-Sep	8	0	2	13	4	1	0	1581	2	0	0	1	2	2	1	0	1617	PA,RB,MC,NC,RP,BT
Mon	22-Sep	4	0	0	9	1	0	0	2263	0	0	0	1	0	0	0	0	2278	GA,BT
Tue	23-Sep	11	7	0	38	2	0	0	1078	0	0	0	20	3	0	0	0	1159	GA,NC,DL,BT
Wed	24-Sep	7	0	1	14	5	0	0	572	1	0	0	1	2	1	0	0	604	GA,DL,EL,BT
Thu	25-Sep	2	0	0	22	2	1	0	223	0	0	0	2	0	1	0	0	253	GA
Fri	26-Sep	3	0	1	15	5	0	0	516	2	0	0	1	2	1	1	0	547	GA,JI,TP,BT

DAY	Date	OS	BE	NH	SS	CH	NG	RS	BW	RT	RL	GE	AK	ML	PG	UR	MK	TOTAL	Counter(s)
Sat	27-Sep	2	0	1	11	3	0	1	129	1	0	0	1	0	1	0	0	150	JG,DL,BT
Sun	28-Sep	33	6	1	22	4	0	1	513	1	0	1	16	1	9	0	0	608	GA,PA,BT,DL
Mon	29-Sep	6	1	7	17	5	0	1	47	4	0	1	10	0	0	7	0	106	TF,JI,DL,EL,TP
Tue	30-Sep	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	3	RP
Wed	1-Oct	0	1	0	1	1	0	0	1	0	0	0	0	0	0	2	0	6	JG
Thu	2-Oct	1	1	0	3	2	0	1	0	0	0	0	1	0	0	0	0	9	AL
Fri	3-Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO Coverage
Sat	4-Oct	10	1	2	51	1	0	0	52	0	0	0	2	2	2	1	0	124	GA,RP,BT
Sun	5-Oct	2	0	0	42	4	0	0	12	2	0	0	2	1	0	0	0	65	BT
Mon	6-Oct																	0	NO Coverage
Tue	7-Oct	1	1	2	17	2	0	0	1	0	0	1	0	1	0	2	0	28	GA
Wed	8-Oct	6	1	5	20	7	0	0	6	2	0	0	0	0	0	2	0	49	JG,AL
Thu	9-Oct																	0	NO Coverage
Fri	10-Oct	2	1	0	25	9	0	0	0	0	0	0	4	0	1	2	0	44	TP
Sat	11-Oct																	0	NO Cov (Clouds/fog)
Sun	12-Oct	2	0	4	43	15	1	0	0	2	0	0	15	4	1	2	0	89	GA,BT
Mon	13-Oct	0	0	2	7	1	0	0	0	1	0	0	1	0	0	0	0	12	GA
Tue	14-Oct																	0	NO Coverage
Wed	15-Oct																	0	JG(canceled-Hi winds)
Thu	16-Oct	1	1	0	17	4	1	0	0	1	0	1	0	0	0	1	0	27	JG
Fri	17-Oct	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	3	TP,RP
Sat	18-Oct	0	0	0	18	9	0	0	0	5	0	0	0	0	0	0	0	32	GA,RP,BT
Sun	19-Oct	1	0	0	112	15	0	2	1	11	0	0	1	0	0	0	0	143	BT
Mon	20-Oct																	0	NO Coverage
Tue	21-Oct	3	0	0	26	12	0	0	0	4	0	0	1	1	2	0	0	49	GA
Wed	22-Oct	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	3	JG
Thu	23-Oct																	0	NO Coverage
Fri	24-Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TP
Sat	25-Oct	0	1	2	11	4	1	0	0	4	0	0	1	0	0	0	0	24	GA,BT
Sun	26-Oct	0	0	3	5	4	0	0	0	6	0	0	1	1	0	0	0	20	RP,BT
Mon	27-Oct																	0	NO Coverage
Tue	28-Oct																	0	NO Coverage
Wed	29-Oct	1	0	0	10	4	0	0	0	5	0	0	1	0	0	0	0	21	GA
Thu	30-Oct	0	0	0	2	1	0	1	0	11	0	0	0	0	0	0	0	15	GA
Fri	31-Oct																	0	NO Coverage
Sat	1-Nov	0	0	0	16	5	0	1	0	54	0	0	3	0	0	0	0	79	GA,RP,BT
Sun	2-Nov	0	0	0	4	2	0	1	0	66	0	0	0	0	0	0	0	73	BT
Mon	3-Nov	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	RP
Tue	4-Nov																	0	NO Coverage
Wed	5-Nov																	0	NO Coverage
Thu	6-Nov																	0	NO Coverage
Fri	7-Nov																	0	NO Coverage
Sat	8-Nov	0	0	0	2	4	0	4	0	65	0	1	0	0	0	0	0	76	BT
Sun	9-Nov	0	0	0	0	1	0	6	0	151	0	0	0	0	0	0	0	158	BT
Mon	10-Nov																	0	NO Coverage

DAY	Date		OS	BE	NH	SS	CH	NG	RS	BW	RT	RL	GE	AK	ML	PG	UR	MK	TOTAL	Counter(s)	
Tue	11-Nov																		0	NO Cov (rain)	
Wed	12-Nov																		0	NO Coverage	
Thu	13-Nov																		0	NO Coverage	
Fri	14-Nov																		0	NO Coverage	
Sat	15-Nov																		0	NO Coverage	
Sun	16-Nov		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PA,BT (bad weather)
Mon	17-Nov		0	0	0	1	0	0	0	0	16	0	0	0	0	0	0	0	17	17	RP
Tue	18-Nov																		0	NO Coverage	
Wed	19-Nov																		0	NO Coverage	
Thu	20-Nov																		0	NO Coverage	
Fri	21-Nov		0	1	0	0	0	0	0	0	8	0	1	0	0	1	0	0	11	11	AL

TOTAL	67	333.3	156	41	37	637	159	6	20	8754	450	0	7	112	23	28	37	1	10468	
	#Days	#Hours	OS	BE	NH	SS	CH	NG	RS	BW	RT	RL	GE	AK	ML	PG	UR	MK	TOTAL	

SINGLE DAY RECORDS AT ROCKFISH GAP HAWK WATCH - 2003

(Up to five highest counts are listed in each case.)

Osprey: **37 on 9/20/98**, 35 on 9/19/97, 32 on 9/18/94, **33 on 9/28/03**, 27 on 9/21/00 and 9/22/87.

Earliest: 1 on 8/14/01. Latest: 2 on 11/10/99.

Mississippi Kite: Three records: **1 on 8/29/03**, 1 on 9/2/02 and 10/17/98.

Earliest: **1 on 8/29/03**. Latest: 10/17/98.

Bald Eagle: **8 on 9/20/99**, **7 on 9/23/03**, **6 on 9/23/03**, 9/15/00 and 9/18/99; 5 on 9/15/87 and 9/12/98; 4 each on 9/6/00, 9/7/00, 9/17/00, 9/21/00, 11/10/99, 9/13/98, 9/7/98, 9/19/95, 9/14/95, 9/19/93, 9/15/90, and 9/16/87.

Earliest: 1 on 8/14/00. Latest: **1 on 11/21/03**.

Northern Harrier: **23 on 9/23/86**, 20 on 9/18/99, 16 on 9/16/87 and 9/11/85, 13 on 9/19/97 and 9/17/86.

Earliest: 1 on 8/17/99. Latest: 1 on 12/1/95.

Sharp-shinned Hawk: **509 on 10/4/86**, 408 on 10/5/86, 403 on 9/25/86, 265 on 9/23/86, 256 on 10/20/89.

Earliest: 2 on 8/14/00. Latest: 2 on 12/3/88.

Cooper's Hawk: **43 on 10/4/94**, 33 on 10/14/00, 32 on 9/30/00, 26 on 10/15/00 and 10/15/95, 25 on 9/24/99.

Earliest: **1 on 8/16/03** and 8/16/01. Latest: 1 on 11/30/89.

Northern Goshawk: **3 on 10/23/99**, 2 on 10/5/02, 10/15/00, 11/17/99, 10/30/99, 10/16/99, 9/25/99, 10/31/96 and 10/30/96.

Earliest: **1 on 9/1/03** and 9/1/01. Latest: 1 on 12/5/87.

Red-shouldered Hawk: **22 on 10/19/86**, 13 on 11/9/91, 11 on 11/1/93, 9 on 11/10/96 and 10/4/94, 8 each on 9/18/94 and 11/2/93.

Earliest: 2 on 8/23/95 and 8/23/85. Latest: 1 on 11/30/89.

Broad-winged Hawk: **11,783 on 9/16/86**, 10,596 on 9/15/83, 8,555 on 9/12/85, 6,113 on 9/13/85, 4,931 on 9/19/99.

Earliest: 3 on 8/14/00. Latest: 1 on 10/29/88.

Swainson's Hawk: Two records: 2 on 9/5/94 and 1 on 9/9/92.

Red-tailed Hawk: **751 on 11/6/85**, 284 on 10/26/83, 272 on 10/27/89, 238 on 11/2/02, 229 on 10/29/85, 225 on 10/31/98.

Earliest: 1 on 8/18/2002 and 8/18/2001. Latest: 1 on 12/11/94.

Rough-legged Hawk: Five records: 1 on 10/6/01, 11/22/95, 11/8/94, 11/17/91 and 11/9/83.

Golden Eagle: **4 on 11/12/96**, 3 on 10/30/96, 2 each on 10/27/02, 10/30/99, 11/7/99, 10/31/98, 11/6/96, 10/23/96, 10/30/91, 12/21/89, 11/7/88, and 10/29/85.

Earliest: **1 on 8/24/03** (adult). Latest: 1 on 12/11/94.

American Kestrel: **72 on 10/5/86**, 58 on 10/4/86, 53 on 10/5/02, 35 each on 9/13/88 and 9/18/87, 33 on 9/27/86.

Earliest: 1 on 8/14/00. Latest: 2 on 11/27/85.

Merlin: **7 on 10/15/95**; **4 on 10/12/03**, **3 each on 9/23/03**, 9/29/97, 10/28/95, 9/18/94, and 9/13/87.

Earliest: 1 on 8/23/98. Latest: 2 on 11/24/88

Peregrine Falcon: **9 on 9/28/03**, 5 on 10/5/02, 10/4/00, 10/2/99, 9/23/95 and 9/22/82; 4 on 10/9/97, 10/7/95, 10/6/95, 9/19/95, 9/14/95, and 9/17/89.

Earliest: 1 on 8/19/00. Latest: **1 on 11/21/03**.

Total Raptors for a single day (currently includes vultures): **11,849 on 9/16/86**, 10,611 on 9/15/83, 8,631 on 9/12/85, 6,113 on 9/13/85, 4,987 on 9/19/99.

Highest number of raptor species seen in a single day (excluding vultures): 12 on 9/25/99, 11 on 10/3/99, 10 each on 9/30/00, 10/1/99, 10/9/98, 9/20/98, 9/25/97, 9/19/97, 9/7/94, 9/5/94, and 11/1/93.