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# APPENDIX C

Number of Square Meters of SAV for Individual Beds and Totals for Density Categories for Each USGS 7.5 Minute Quadrangle in 1997.



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Number of Square Meters of SAV for Individual Beds and Totals for Density Categories for Each USGS 7.5 Minute Quadrangle in 1997. [Numbers in Bed Labels (e.g., AA2) Indicate Density Category. See Maps in Appendix B for Location of Each Bed. Quadrangles Are Listed Numerically by VIMS Map Number. Slight Differences (1 Square Meter) in Quadrangle Totals from Density Totals Are Due to Rounding. See Methods and Figure 8 for Explanation of Density Categories.]

### Aberdeen, Md. (VIMS Map # 002)

A2	86,118	C3	801	E4	6,242	G2	63,416
B2	1,502	D4	2,996	F3	9,513		
Density (1) 0		(2) 151,036	(3) 10,313	(4) 9,239			Total: 170,588

### Havre de Grace, Md. (VIMS Map # 003)

A1	16,208,662	N3	13,795	AA3	133,651	NA4	229,580
B2	60,373	O3	6,533	BA3	63,228	OA2	1,109,445
C1	2,333,110	P2	5,042	CA2	6,848	PA4	35,575
D2	1,318,837	Q3	5,122	DA4	603	QA3	20,119
E4	331,385	R3	1,748	EA4	2,278	RA3	15,055
F3	129,048	S3	2,435	FA4	705	SA3	35,037
G4	3,033	T1	378	GA3	34,000	TA3	15,708
H4	118,564	U4	8,550	HA2	6,808	UA3	23,997
I1	3,717	V3	19,661	IA4	190,986	VA2	21,652
J4	99,500	W3	15,013	JA3	9,746	WA3	47,027
K2	32,935	X3	10,930	KA3	3,019	XA3	5,165
L3	9,377	Y3	10,282	LA3	17,002		
M2	5,849	Z3	3,175	MA4	291,281		
Density (1) 18,545,866		(2) 2,567,790	(3) 649,871	(4) 1,312,040			Total: 23,075,567

### North East, Md. (VIMS Map # 004)

A1	5,649	E2	17,275	I1	5,523	L1	14,000
B2	3,042	F4	39,533	J3	20,255	M4	49,751
C2	19,020	G1	15,183	K1	3,146		
D2	19,985	H2	18,985				
Density (1) 43,501		(2) 78,307	(3) 20,255	(4) 89,284			Total: 231,346

### White Marsh, Md. (VIMS Map # 006)

A2	5,844						
Density (1) 0		(2) 5,844	(3) 0	(4) 0			Total: 5,844

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**Edgewood, Md. (VIMS Map # 007)**

A1	82,158	E3	430,510	H2	21,614	K3	49,421
B2	2,588	F1	305,531	I4	56,667	L4	4,367
C4	150,862	G3	56,930	J4	439,372		
D3	7,915						

Density (1) 387,689      (2) 24,202      (3) 544,776      (4) 651,267      Total: 1,607,935

**Perryman, Md. (VIMS Map # 008)**

A4	2,195	G3	11,860	M3	16,684	S3	20,050
B2	16,304	H2	2,233	N2	2,093		
C4	20,543	I2	4,708	O2	1,412		
D3	12,565	J1	3,550	P4	18,500		
E3	6,055	K4	122,188	Q4	13,125		
F3	23,530	L2	3,180	R4	4,598		

Density (1) 3,550      (2) 29,930      (3) 90,744      (4) 181,149      Total: 305,374

**Spesutie, Md. (VIMS Map # 009)**

A2	8,684	N2	10,811	AA4	3,148	NA4	2,762
B1	67,139	O4	41,149	BA4	4,323	OA4	11,037
C3	5,073	P4	55,809	CA4	3,353	PA4	19,948
D3	1,976	Q1	28,121	DA4	1,667	QA3	17,442
E1	44,756	R4	18,674	EA3	14,557	RA2	5,671
F2	9,140	S3	5,538	FA4	4,594	SA2	13,553
G1	16,230	T4	5,014	GA4	12,136	TA1	31,190
H3	5,246	U1	14,678	HA4	19,747	UA4	100,833
I2	8,526	V4	18,399	IA4	5,383	VA3	97,431
J1	853	W4	2,861	JA4	38,792	WA2	39,972
K1	12,955	X4	3,416	KA2	26,476	XA4	54,460
L4	196,121	Y2	13,072	LA1	35,135	YA1	9,746
M3	3,931	Z4	7,728	MA4	32,064		

Density (1) 260,803      (2) 135,906      (3) 151,194      (4) 663,419      Total: 1,211,322

**Earleville, Md. (VIMS Map # 010)**

A1	124,401	H2	1,671	O2	32,056	U2	83,737
B1	8,311	I2	3,985	P2	62,515	V3	30,848
C4	432,160	J4	5,552	Q1	37,951	W3	39,894
D4	12,801	K4	59,801	R1	14,146	X2	2,765
E3	16,368	L2	19,863	S2	74,850	Y2	88,389
F2	7,985	M2	12,943	T3	25,948		
G1	3,812	N1	5,795				

Density (1) 194,416      (2) 390,759      (3) 113,058      (4) 510,314      Total: 1,208,546

**Middle River, Md. (VIMS Map # 013)**

A1	2,575	E1	120,945	I1	66,219	L1	16,098
B2	88,225	F4	114,288	J3	5,391	M1	107,412
C4	6,083	G2	94,310	K1	33,042		
D2	55,180	H2	62,075				

Density (1) 346,292      (2) 299,790      (3) 5,391      (4) 120,371      Total: 771,845

**Gunpowder Neck, Md. (VIMS Map # 014)**

A3	6,322	M3	3,511	Y3	120,145	KA4	216,449
B3	19,177	N3	8,671	Z4	66,919	LA2	58,620
C3	28,045	O1	3,069	AA1	2,398	MA4	218,359
D1	3,246	P1	492	BA4	269,676	NA2	212,056
E4	119,251	Q1	31,834	CA1	2,921	OA4	697,428
F2	27,451	R1	111,685	DA2	506,911	PA4	254,161
G2	34,002	S3	20,021	EA4	203,485	QA2	31,292
H1	3,271	T3	47,249	FA1	46,835	RA4	584,207
I2	18,340	U2	94,207	GA4	837,962	SA1	350,537
J1	1,944	V2	31,031	HA2	137,886	TA1	136,383
K3	67,083	W4	71,226	IA4	77,627		
L3	4,442	X2	44,944	JA2	65,620		

Density (1) 694,614      (2) 1,262,360      (3) 324,665      (4) 3,616,749      Total: 5,898,388

**Hanesville, Md. (VIMS Map # 015)**

A1	21,963	G2	13,341	M2	2,161	S2	4,862
B3	47,261	H1	40,021	N3	40,655	T2	2,107
C4	4,585	I3	10,412	O4	6,544	U2	2,312
D4	1,020	J3	7,625	P4	2,023	V2	6,952
E2	6,163	K1	2,758	Q3	58,049		
F2	51,846	L3	2,759	R1	3,862		

Density (1) 68,604      (2) 89,744      (3) 166,761      (4) 14,174      Total: 339,282

**Betterton, Md. (VIMS Map # 016)**

A1	9,656	D2	13,326	G4	71,097	J3	3,064
B1	182,955	E4	59,453	H2	5,372		
C2	27,708	F2	269,923	I3	87,007		

Density (1) 192,611      (2) 316,329      (3) 90,072      (4) 130,550      Total: 729,561

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**Galena, Md. (VIMS Map # 017)**

A1	8,943	D4	15,247	G2	19,950	J4	17,401
B2	39,011	E1	7,117	H1	7,655	K1	139,913
C1	52,903	F1	7,520	I1	10,229		
Density (1)	234,281	(2)	58,961	(3)	0	(4)	32,648
							Total: 325,890

**Sparrows Point, Md. (VIMS Map # 019)**

A2	53,492	C2	24,867	D3	3,924		
B3	85,881						
Density (1)	0	(2)	78,359	(3)	89,805	(4)	0
							Total: 168,164

**Swan Point, Md. (VIMS Map # 020)**

A3	8,081	D4	4,963	G4	69,364	J4	35,562
B3	3,615	E4	36,132	H3	8,993	K4	33,138
C2	3,835	F4	63,065	I4	581		
Density (1)	0	(2)	3,835	(3)	20,690	(4)	242,804
							Total: 267,329

**Rock Hall, Md. (VIMS Map # 021)**

A3	7,474	D4	15,170	G2	69,207	J2	6,755
B4	142,152	E4	4,343	H2	4,575	K3	31,748
C4	396	F3	62,618	I4	14,583		
Density (1)	0	(2)	80,536	(3)	101,840	(4)	176,644
							Total: 359,021

**Round Bay, Md. (VIMS Map # 023)**

A2	3,655	H1	15,085	O4	117,263	V3	29,609
B2	3,594	I4	118,696	P3	22,727	W2	8,234
C3	18,817	J3	30,326	Q3	1,494	X1	12,365
D4	126,842	K2	20,653	R3	2,718	Y4	23,003
E4	495,189	L2	9,670	S3	2,393	Z1	2,357
F2	22,431	M2	7,327	T3	1,535		
G1	5,308	N4	178,338	U3	4,996		
Density (1)	35,115	(2)	75,564	(3)	114,614	(4)	1,059,330
							Total: 1,284,623

**Gibson Island, Md. (VIMS Map # 024)**

A4	12,184	J1	1,424	S2	1,173	AA4	9,679
B4	818	K1	2,079	T4	16,606	BA4	32,948
C1	9,701	L2	7,590	U3	9,940	CA4	1,897
D4	23,461	M3	24,995	V4	1,630	DA4	90,183
E4	22,356	N1	1,873	W4	18,151	EA4	57,050
F1	9,274	O3	11,862	X1	923	FA3	19,318
G3	22,197	P3	1,693	Y4	15,193	GA4	2,986
H2	22,874	Q3	5,400	Z4	26,450		
I2	19,085	R2	5,196				

Density (1) 25,273                      (2) 55,918                      (3) 95,405                      (4) 331,592                      Total: 508,188

**Langford Creek, Md. (VIMS Map # 026)**

A4	6,790	M3	9,792	X4	719,635	IA2	46,005
B4	48,114	N3	4,049	Y1	53,099	JA4	2,355,061
C4	44,769	O4	22,789	Z2	47,433	KA1	211,507
D4	26,786	P4	13,454	AA4	15,255	LA4	154,567
E4	2,918	Q4	22,996	BA4	56,636	MA2	175,513
F3	5,881	R4	59,911	CA4	154,424	NA4	118,543
G4	36,960	S4	14,867	DA4	92,117	OA1	27,205
H4	20,155	T4	101,395	EA2	12,005	PA3	2,619
I3	20,255	U4	71,539	FA3	9,031	QA2	7,132
J4	136,428	V3	35,026	GA4	318,827	RA4	30,515
K4	49,240	W4	214,937	HA3	11,894		
L4	46,875						

Density (1) 291,811                      (2) 288,088                      (3) 98,548                      (4) 4,956,504                      Total: 5,634,951

**Washington West, Md.-D.C.-Va (VIMS Map # 028)**

A4                      1,993

Density (1) 0                      (2) 0                      (3) 0                      (4) 1,993                      Total: 1,993

**South River, Md. (VIMS Map # 030)**

A2	13,414	D3	37,256	F2	2,540	H4	13,507
B3	15,285	E1	12,475	G3	2,446		
C3	66,570						

Density (1) 12,475                      (2) 15,954                      (3) 121,558                      (4) 13,507                      Total: 163,493

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**Kent Island, Md. (VIMS Map # 032)**

A2	13,511	Q4	14,651	DA4	149,522	LA3	77,569
B4	36,183	R3	1,765	DB3	98,473	MA4	148,957
C4	7,662	S3	10,941	EA2	7,685	NA2	91,065
D4	11,195	T4	78,488	EB4	123,383	OA2	8,292
E3	10,113	U2	1,795	FA4	133,688	PA4	2,638
F4	4,959	V1	15,466	FB2	90,765	QA4	41,277
G3	6,549	W2	49,106	GA4	369,132	RA4	31,276
H4	8,818	X4	165,333	GB4	591,083	SA4	73,842
I4	23,529	Y3	117,266	HA3	110,969	TA4	464,503
J2	1,309	Z2	5,491	HB4	62,107	UA3	99,276
K4	31,172	AA4	1,072,774	IA1	25,797	VA1	27,415
L1	21,487	AB2	205,914	IB2	65,598	WA4	33,844
M4	36,831	BA3	31,112	JA4	777,265	XA4	13,460
N4	63,910	BB3	130,298	JB1	48,713	YA2	45,257
O2	14,091	CA4	279,187	KA1	49,620	ZA4	385,772
P2	9,928	CB4	106,101	KB4	3,664		

Density (1) 188,499      (2) 609,808      (3) 694,332      (4) 5,346,206      Total: 6,838,845

**Queenstown, Md. (VIMS Map # 033)**

A4	94,162	S4	13,741	EB2	3,084	NA3	4,284
B4	95,549	T1	4,150	FA4	583,002	NB3	12,937
C2	1,161	U4	4,456	FB1	5,323	OA4	177,188
D4	7,682	V3	5,173	GA2	123,580	OB2	9,459
E3	43,286	W3	4,950	GB3	5,927	PA1	50,034
F2	188,657	X2	16,306	HA4	336,611	PB2	1,766
G1	126,817	Y4	14,839	HB4	6,393	QA3	7,230
H2	184,097	Z4	530,488	IA2	190,911	QB2	1,290
I4	56,859	AA1	23,752	IB1	10,898	RA2	9,247
J4	122,565	AB2	3,617	JA4	30,567	SA2	97,692
K4	5,431	BA2	150,671	JB4	8,377	TA4	554,989
L4	36,555	BB1	8,126	KA2	10,869	UA4	56,530
M1	26,300	CA4	191,668	KB2	8,684	VA2	8,187
N4	15,950	CB2	19,414	LA4	14,266	WA1	109,145
O4	193,461	DA3	137,660	LB2	25,559	XA3	61,430
P4	155,188	DB2	59,933	MA2	7,264	YA1	8,211
Q2	15,848	EA1	80,333	MB3	6,081	ZA2	85,834
R3	2,653						

Density (1) 453,090      (2) 1,223,129      (3) 291,611      (4) 3,306,517      Total: 5,274,347



**Alexandria, Va.-D.C.-Md. (VIMS Map # 034)**

A4	1,708	K4	338,172	U3	21,588	DA2	27,022
B3	4,161	L4	27,433	V4	3,855	EA2	6,279
C1	4,221	M1	13,590	W4	7,722	FA3	8,439
D3	48,420	N4	15,233	X4	126,563	GA4	1,855
E4	46,291	O3	1,143	Y4	7,346	HA4	2,523
F4	13,580	P3	1,172	Z4	6,977	IA4	1,702
G4	2,610	Q3	1,046	AA2	6,267	JA3	25,059
H4	15,771	R4	422	BA4	7,084	KA4	724
I4	11,078	S4	2,710	CA4	3,906		
J1	550,384	T2	1,570				

Density (1) 568,196      (2) 41,138      (3) 111,027      (4) 645,266      Total: 1,365,627

**Claiborne, Md. (VIMS Map # 036)**

A2	30,059	P4	133,649	CA4	447,529	NA1	45,616
B2	9,394	Q2	30,539	CB3	26,845	OA1	87,450
C4	116,545	R4	122,436	DA4	167,908	PA2	106,448
D2	19,593	S2	15,326	DB1	151,588	QA1	153,765
E4	1,100,631	T4	140,563	EA4	134,146	RA3	39,091
F4	84,977	U4	112,227	EB3	119,556	SA4	67,230
G4	11,635	V2	19,706	FA2	17,687	TA2	30,595
H4	26,093	W4	29,770	GA4	18,003	UA2	10,608
I4	62,348	X4	337,674	HA4	13,979	VA4	6,225
J4	90,065	Y3	24,787	IA4	20,306	WA4	19,901
K4	188,640	Z4	154,342	JA4	606,574	XA4	6,565
L2	67,313	AA3	20,582	KA4	284,585	YA1	57,734
M4	94,304	AB2	90,779	LA1	153,933	ZA4	182,307
N2	62,894	BA2	3,634	MA4	283,750		
O1	57,985	BB1	94,557				

Density (1) 802,627      (2) 514,574      (3) 230,861      (4) 5,064,907      Total: 6,612,969

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**St. Michaels, Md. (VIMS Map # 037)**

A2	7,377	S4	142,042	FA4	65,454	OA3	175,437
B2	38,901	T3	5,899	FB4	235,830	OB2	58,881
C2	27,718	U4	119,458	GA2	191,143	PA4	182,477
D4	38,689	V4	52,122	GB2	117,321	PB4	44,274
E2	23,941	W3	89,035	HA2	16,686	QA4	31,394
F4	234,382	X1	62,847	HB4	158,469	QB4	10,958
G2	10,876	Y4	22,556	IA1	16,460	RA1	214,979
H4	93,765	Z4	33,800	IB4	30,295	RB2	17,507
I1	33,806	AA2	6,481	JA2	63,942	SA3	264,017
J3	137,358	AB1	96,676	JB4	3,268	SB2	13,342
K2	9,044	BA4	4,717	KA3	31,507	TA3	83,166
L3	6,911	BB2	91,645	KB4	12,786	UA1	22,998
M4	23,265	CA2	14,702	LA4	329,225	VA4	13,044
N3	28,052	CB4	110,846	LB4	918,665	WA1	8,888
O3	971,805	DA2	71,722	MA3	48,051	XA2	7,373
P1	88,898	DB4	21,421	MB4	338,652	YA1	63,547
Q4	15,625	EA3	67,196	NA4	27,088	ZA3	177,923
R3	6,169	EB2	14,424	NB4	356,260		

Density (1) 609,100      (2) 803,027      (3) 2,092,526      (4) 3,670,827      Total: 7,175,481

**Easton, Md. (VIMS Map # 038)**

A4	8,089	D4	24,540	F4	13,705	H2	6,321
B2	16,012	E3	4,890	G4	20,377		
C4	30,573						

Density (1) 0      (2) 22,333      (3) 4,890      (4) 97,284      Total: 124,508

**Fort Belvoir, Va.-Md. (VIMS Map # 039)**

A4	54,607	F4	204,995	J3	39,375	N2	3,593
B4	33,541	G2	69,416	K4	266,776	O4	59,029
C2	155,160	H4	256,009	L4	702,718	P4	5,576
D1	85,205	I2	44,297	M4	34,940		
E2	52,458						

Density (1) 85,205      (2) 324,924      (3) 39,375      (4) 1,618,191      Total: 2,067,695

**Mt. Vernon, Md.-Va. (VIMS Map # 040)**

A4	10,509	H2	34,843	O4	19,647	U4	11,161
B4	63,515	I4	36,032	P4	13,697	V2	83,509
C4	48,374	J3	45,521	Q4	85,294	W1	2,382
D4	9,480	K4	66,488	R2	13,363	X1	2,938
E1	6,622	L2	7,611	S4	385,466	Y2	23,337
F2	52,662	M4	1,140,734	T1	12,101	Z4	53,957
G4	148,550	N4	92,728				

Density (1) 24,043                    (2) 215,325                    (3) 45,521                    (4) 2,185,631                    Total: 2,470,521

**Lower Marlboro, Md. (VIMS Map # 041)**

A3	1,811	E4	6,814	I4	141,435	M2	2,280
B3	6,160	F4	23,960	J4	30,872	N4	18,508
C4	111,423	G4	34,355	K3	9,917	O4	9,559
D4	274,605	H2	13,635	L4	7,515		

Density (1) 0                    (2) 15,915                    (3) 17,888                    (4) 659,046                    Total: 692,849

**North Beach, Md. (VIMS Map # 042)**

A3                    153,102

Density (1) 0                    (2) 0                    (3) 153,102                    (4) 0                    Total: 153,102

**Tilghman, Md. (VIMS Map # 043)**

A4	228,745	I1	36,162	Q2	32,979	X4	89,393
B4	161,201	J2	88,092	R2	9,777	Y4	3,687
C4	46,319	K4	115,723	S3	38,602	Z4	7,228
D1	23,409	L4	886,493	T2	21,529	AA4	40,276
E2	40,966	M2	194,434	U1	21,986	BA4	168,148
F2	87,762	N4	549,019	V4	1,359,423	CA4	111,496
G2	38,591	O1	28,672	W2	15,155		
H3	596,611	P3	238,800				

Density (1) 110,229                    (2) 529,285                    (3) 874,014                    (4) 3,767,151                    Total: 5,280,679

SAV

**Oxford, Md. (VIMS Map # 044)**

A4	170,990	V4	148,804	GA4	48,444	QB3	9,046
B4	120,578	W3	90,673	GB4	9,820	RA4	76,239
C4	209,902	X1	75,012	HA4	37,119	RB2	1,139
D4	27,669	Y4	110,558	HB4	232,779	SA4	81,162
E1	100,650	Z2	183,309	IA3	8,156	SB2	5,099
F4	252,876	AA4	15,042	IB2	20,120	TA4	30,955
G4	42,073	AB2	4,496	JA4	4,528	TB2	4,683
H4	142,062	AC4	18,517	JB2	14,198	UA3	9,774
I3	9,020	BA4	322,527	KA4	41,094	UB1	4,198
J4	7,633	BB4	146,430	KB3	176,604	VA4	47,969
K4	31,202	BC3	40,907	LA2	20,426	VB2	28,193
L2	10,732	CA1	59,438	LB2	7,998	WA4	5,627
M4	581,680	CB2	13,894	MA4	46,664	WB2	16,560
N2	13,234	CC2	5,269	MB3	30,852	XA3	5,620
O3	69,767	DA4	76,331	NA4	81,963	XB2	5,317
P4	2,000,052	DB4	88,933	NB3	46,376	YA2	1,084
Q2	389,364	DC3	3,942	OA2	19,220	YB2	3,926
R4	417,281	EA1	26,619	OB2	10,410	ZA4	45,890
S1	60,432	EB4	30,810	PA4	31,838	ZB4	13,716
T4	604,268	FA3	65,239	PB1	31,508		
U2	71,164	FB2	10,165	QA2	22,498		

Density (1) 357,856            (2) 882,499            (3) 565,974            (4) 6,402,025            Total: 8,208,354

**Trappe, Md. (VIMS Map # 045)**

A2	18,823	E2	7,096	I3	5,738	M3	4,161
B4	75,736	F4	38,258	J4	129,041	N3	4,969
C4	33,052	G4	26,043	K4	27,077		
D4	26,325	H4	8,079	L3	3,011		

Density (1) 0            (2) 25,918            (3) 17,879            (4) 363,611            Total: 407,409

**Quantico, Va.-Md. (VIMS Map # 047)**

A4	1,141,195	E2	9,608	I4	484,284	M4	5,987
B4	175,522	F4	10,033	J4	20,345	N4	90,082
C4	62,884	G4	54,477	K4	13,444		
D4	37,437	H3	13,715	L4	3,664		

Density (1) 0            (2) 9,608            (3) 13,715            (4) 2,099,356            Total: 2,122,679

**Indian Head, Va.-Md. (VIMS Map # 048)**

A4	93,143	H4	5,528	O4	10,446	U4	11,315
B4	52,312	I4	27,244	P4	2,619	V4	31,029
C4	44,987	J4	168,219	Q4	18,292	W3	6,804
D4	6,805	K4	17,050	R3	14,111	X2	4,848
E4	25,131	L4	27,308	S4	3,803	Y4	5,130
F2	10,952	M4	14,594	T4	7,656		
G4	40,816	N4	8,083				

Density (1) 0                      (2) 15,800                      (3) 20,915                      (4) 621,511                      Total: 658,226

**Hudson, Md. (VIMS Map # 051)**

A4	49,399	K2	8,863	U2	9,168	DA2	38,450
B3	26,482	L2	438,403	V4	1,122,722	EA2	156,880
C3	15,849	M3	73,734	W2	612,521	FA4	729,354
D2	63,651	N1	23,913	X1	259,480	GA3	206,942
E1	25,398	O3	188,917	Y4	1,392,049	HA1	106,145
F1	14,233	P3	126,782	Z3	127,586	IA4	272,587
G3	8,331	Q3	18,390	AA1	332,938	JA4	21,729
H3	3,730	R2	29,587	BA1	303,871	KA2	8,318
I1	10,769	S2	21,034	CA2	22,964		
J2	32,784	T2	132,863				

Density (1) 1,076,746                      (2) 1,575,486                      (3) 796,743                      (4) 3,587,840                      Total: 7,036,815

**Church Creek, Md. (VIMS Map # 052)**

A3	160,798	U3	10,551	HA4	3,178	QB1	267,157
B2	61,032	V4	7,565	HB2	3,794	RA2	159,683
C1	64,029	W4	25,271	IA3	16,151	RB3	109,697
D3	16,529	X3	42,230	IB2	50,607	SA2	90,218
E4	21,112	Y1	62,589	JA3	5,860	SB1	238,441
F4	4,467	Z2	93,413	JB1	19,589	TA1	16,770
G4	4,760	AA3	324,735	KA3	5,563	TB2	102,073
H4	2,752	AB3	135,128	KB1	11,795	UA4	34,639
I3	7,644	BA4	69,996	LA3	212,551	UB4	826,234
J4	6,433	BB4	208,670	LB3	32,166	VA1	13,042
K4	13,439	CA3	19,857	MA4	209,791	VB4	5,146
L3	30,116	CB3	12,198	MB2	33,379	WA3	10,269
M4	3,460	DA3	10,055	NA4	128,732	WB4	7,242
N4	5,634	DB3	8,431	NB3	48,513	XA4	164,628
O3	2,096	EA3	18,178	OA2	61,451	XB4	5,205
P4	75,333	EB4	32,092	OB2	244,639	YA4	34,558
Q1	6,719	FA3	3,448	PA4	164,322	YB3	74,975
R3	9,256	FB4	38,167	PB3	541,985	ZA1	40,836
S4	10,848	GA4	11,847	QA4	165,582		
T3	4,322	GB3	17,773				

Density (1) 740,967                      (2) 900,289                      (3) 1,891,075                      (4) 2,291,104                      Total: 5,823,436

SAV

**Widewater, Va.-Md. (VIMS Map # 055)**

A2	3,198	F4	13,645	K4	6,909	P3	60,390
B4	333,526	G4	25,253	L3	2,097	Q3	5,735
C2	8,029	H2	5,269	M4	35,523	R2	76,286
D4	558,997	I4	125,682	N3	3,553		
E3	77,793	J2	3,145	O2	4,992		
Density (1) 0	(2) 100,918	(3) 149,568	(4) 1,099,535	Total: 1,350,021			

**Nanjemoy, Md. (VIMS Map # 056)**

A4	27,383	J4	4,524	S4	13,575	BA4	22,709
B2	96,743	K4	2,598	T4	54,219	CA4	42,805
C1	19,158	L2	33,606	U4	7,974	DA4	39,727
D2	22,434	M4	12,263	V4	3,081	EA3	99,252
E3	124,890	N2	6,159	W4	7,383	FA3	50,201
F2	13,757	O2	25,740	X4	42,672	GA4	860,609
G2	26,231	P3	29,740	Y4	49,247	HA1	8,554
H4	26,634	Q1	35,556	Z4	16,676		
I2	10,794	R2	7,209	AA4	1,510		
Density (1) 63,268	(2) 242,672	(3) 304,084	(4) 1,235,590	Total: 1,845,614			

**Mathias Point, Md.-Va. (VIMS Map # 057)**

A2	44,299	L4	159,403	W3	81,011	GA1	134,415
B4	286,041	M3	15,213	X2	39,681	HA4	8,423
C2	39,665	N4	32,037	Y1	35,446	IA2	16,230
D2	35,085	O4	254,333	Z2	100,055	JA4	73,341
E4	323,639	P2	118,607	AA2	222,294	KA2	229,115
F4	21,292	Q1	81,275	BA3	336,112	LA4	190,859
G4	242,389	R2	59,456	CA4	359,576	MA2	57,735
H3	5,187	S3	31,823	DA4	121,625	NA4	22,120
I3	2,838	T2	48,967	EA2	46,998	OA2	78,826
J3	228,318	U2	94,395	FA2	107,865		
K4	19,709	V1	33,106				
Density (1) 284,242	(2) 1,339,273	(3) 700,502	(4) 2,114,787	Total: 4,438,804			

**Popes Creek, Md. (VIMS Map # 058)**

A3	7,459	D2	13,648	G2	144,627	J3	855
B2	15,207	E2	7,579	H3	59,107		
C3	15,508	F3	91,455	I4	4,050		
Density (1) 0	(2) 181,059	(3) 174,384	(4) 4,050	Total: 359,494			

**Taylors Island, Md. (VIMS Map # 062)**

A4	101,219	E2	176,076	H2	9,076	K2	8,143
B1	36,622	F4	58,504	I4	23,433	L2	3,008
C4	4,555	G2	29,447	J4	47,497		
D1	16,863						

Density (1)	53,485	(2)	225,749	(3)	0	(4)	235,207	Total:	514,441
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**Golden Hill, Md. (VIMS Map # 063)**

A1	21,017	C2	31,526	D2	2,402
B2	39,982				

Density (1)	21,017	(2)	73,911	(3)	0	(4)	0	Total:	94,928
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**Passapatanzy, Md.-Va. (VIMS Map # 064)**

A1	83,132	D4	240,406	G2	12,907	J2	46,893
B4	144,586	E2	4,038	H4	1,362,738	K2	212,463
C2	55,523	F4	41,166	I4	321,415		

Density (1)	83,132	(2)	331,825	(3)	0	(4)	2,110,312	Total:	2,525,269
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**King George, Va.-Md. (VIMS Map # 065)**

A4	54,963	C4	198,642	E1	2,626	G2	96,926
B1	44,924	D1	4,406	F1	1,696		

Density (1)	53,651	(2)	96,926	(3)	0	(4)	253,605	Total:	404,182
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**Dahlgren, Va.-Md. (VIMS Map # 066)**

A4	8,682	I1	297	Q4	11,356	Y2	39,428
B4	14,046	J2	30,652	R4	20,731	Z1	5,834
C4	52,566	K2	61,353	S2	5,270	AA4	31,608
D4	20,534	L1	5,878	T2	70,004	BA3	7,071
E4	54,945	M2	9,923	U2	10,691	CA2	5,185
F4	11,623	N2	21,691	V4	201,780	DA4	116,971
G1	2,017	O4	8,378	W3	92,223		
H1	693	P2	5,863	X2	2,986		

Density (1)	14,719	(2)	263,047	(3)	99,295	(4)	553,220	Total:	930,281
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SAV

**Colonial Beach North, Md.-Va. (VIMS Map # 067)**

A4	80,229	F4	21,526	K4	27,009	P3	82,196
B4	168,574	G2	20,013	L2	150,560	Q2	63,879
C1	5,365	H4	281,368	M4	61,221	R4	160,437
D4	350,335	I4	2,653	N4	111,501	S3	8,972
E2	16,293	J1	87,948	O3	168,817	T2	101,275
Density (1) 93,313		(2) 352,021	(3) 259,985	(4) 1,264,853	Total: 1,970,172		

**Rock Point, Md. (VIMS Map # 068)**

A4	3,382	I4	8,766	Q2	11,396	Y2	186,265
B4	31,551	J2	25,047	R2	12,526	Z1	19,399
C4	114,891	K1	53,319	S4	6,111	AA2	40,895
D4	68,123	L2	16,772	T2	6,850	BA4	69,419
E4	35,335	M1	26,994	U4	13,705	CA4	49,434
F4	200,149	N4	115,289	V4	2,492	DA4	20,940
G2	32,618	O4	28,426	W4	108,736		
H3	86,929	P1	8,171	X2	3,021		
Density (1) 107,883		(2) 335,392	(3) 86,929	(4) 876,748	Total: 1,406,951		

**Leonardtown, Md. (VIMS Map # 069)**

A3	38,097	D2	5,040	G4	17,567	I1	13,022
B3	13,170	E4	18,381	H4	277,143		
C4	102,811	F4	20,216				
Density (1) 13,022		(2) 5,040	(3) 51,267	(4) 436,119	Total: 505,447		

**Solomons Island, Md. (VIMS Map # 071)**

A2	10,179						
Density (1) 0		(2) 10,179	(3) 0	(4) 0	Total: 10,179		

**Barren Island, Md. (VIMS Map # 072)**

A2	19,839	C2	5,595	D1	115,902		
B2	110,131						
Density (1) 115,902		(2) 135,565	(3) 0	(4) 0	Total: 251,467		



**Honga, Md. (VIMS Map # 073)**

A2	20,049	K4	41,225	U2	70,504	EA1	12,260
B3	45,088	L2	687,361	V2	117,053	FA3	76,662
C1	36,738	M3	723,576	W1	2,836	GA2	21,749
D1	25,423	N4	576,654	X2	15,164	HA2	31,941
E3	35,577	O2	156,457	Y2	17,895	IA2	83,315
F1	17,284	P3	191,691	Z2	217,408	JA2	33,534
G2	235,151	Q2	100,371	AA3	5,129	KA2	41,666
H2	147,144	R2	18,551	BA4	17,802	LA3	4,354
I1	79,378	S1	6,483	CA3	11,169	MA1	32,966
J2	1,677,115	T2	78,260	DA2	34,962		

Density (1) 213,367      (2) 3,805,651      (3) 1,093,246      (4) 635,680      Total: 5,747,944

**Wingate, Md. (VIMS Map # 074)**

A3	494,324	D4	562,709	F3	1,167,342	H2	324,811
B1	145,886	E2	257,379	G2	429,066		
C2	118,687						

Density (1) 145,886      (2) 1,129,943      (3) 1,661,666      (4) 562,709      Total: 3,500,203

**Stratford Hall, Va.-Md. (VIMS Map # 077)**

A4	13,392	D4	50,321	G3	12,265	I3	4,679
B2	12,126	E2	18,718	H1	2,224		
C4	55,911	F4	30,897				

Density (1) 2,224      (2) 30,844      (3) 16,945      (4) 150,521      Total: 200,534

**St. Clements Island, Va.-Md. (VIMS Map # 078)**

A4	15,327	E2	5,566	I4	13,763	L4	227,189
B4	15,873	F2	5,991	J4	135,043	M1	6,441
C4	351,064	G4	11,246	K2	34,073		
D4	19,919	H4	15,626				

Density (1) 6,441      (2) 45,631      (3) 0      (4) 805,050      Total: 857,121

**St. Marys City, Md. (VIMS Map # 080)**

A1	26,656	C1	47,494	E4	43,510	G1	6,086
B2	18,881	D2	17,969	F3	26,169		

Density (1) 80,236      (2) 36,850      (3) 26,169      (4) 43,510      Total: 186,766

SAV

**Bloodsworth Island, Md. (VIMS Map # 083)**

A4 383,642

Density (1) 0 (2) 0 (3) 0 (4) 383,642 Total: 383,642

**Machodoc, Va. (VIMS Map # 087)**

A2 9,871 C3 18,445 E4 97,020  
 B4 17,647 D4 25,160

Density (1) 0 (2) 9,871 (3) 18,445 (4) 139,827 Total: 168,143

**Kedges Straits, Md. (VIMS Map # 091)**

A2 181,220	F2 164,814	K1 115,623	P3 61,618
B3 152,230	G2 40,928	L4 1,394,338	Q1 27,639
C1 264,858	H1 118,225	M1 201,532	R2 45,252
D1 31,390	I2 72,738	N1 89,406	
E1 415,582	J2 3,962	O3 73,876	

Density (1) 1,264,254 (2) 508,914 (3) 287,724 (4) 1,394,338 Total: 3,455,230

**Terrapin Sand Point, Md. (VIMS Map # 092)**

A2 35,840 C3 70,161 E1 366,387  
 B2 4,765 D2 590,314 F2 311,242

Density (1) 366,387 (2) 942,161 (3) 70,161 (4) 0 Total: 1,378,709

**Marion, Md. (VIMS Map # 093)**

A2 2,309	J1 31,553	S2 7,472	BA2 14,307
B2 3,182	K3 68,046	T2 28,437	CA2 24,149
C2 2,209	L2 6,192	U2 80,817	DA3 142,046
D2 15,097	M2 115,663	V1 36,729	EA2 58,491
E3 26,110	N2 76,654	W3 259,950	FA3 15,444
F1 149,672	O3 464,676	X1 46,538	GA3 88,180
G3 31,538	P1 66,777	Y3 4,568	HA2 152,941
H2 23,535	Q1 12,745	Z2 50,169	IA2 10,768
I3 134,260	R2 37,950	AA2 1,882	

Density (1) 344,013 (2) 712,223 (3) 1,234,817 (4) 0 Total: 2,291,053

**Ewell, Md.-Va. (VIMS Map # 099)**

A1	2,308,237	M2	8,253	Y2	65,303	JA2	9,264
B4	7,923,299	N2	82,865	Z2	1,496	KA3	48,795
C2	60,953	O2	9,190	AA1	66,881	LA2	7,626
D1	162,269	P2	66,887	BA3	119,550	MA1	20,619
E2	712,860	Q3	76,171	CA1	31,681	NA2	14,814
F3	1,213,109	R2	38,055	DA1	11,404	OA2	41,507
G3	339,137	S2	7,339	EA1	75,203	PA2	58,126
H2	879,724	T2	15,812	FA2	85,016	QA2	11,583
I2	4,665	U2	66,470	GA3	122,303	RA2	4,809
J1	17,272	V1	104,892	HA2	7,586	SA4	18,752
K2	4,118	W2	3,767	IA2	34,209		
L2	30,948	X2	37,411				

Density (1) 2,798,458      (2) 2,370,657      (3) 1,919,064      (4) 7,942,052      Total: 15,030,230

**Great Fox Island, Va.-Md. (VIMS Map # 100)**

A1	1,162,107	G3	437,311	M2	541,308	S2	19,458
B1	174,671	H1	9,481	N1	145,430	T1	613,099
C4	4,644,995	I3	18,333	O4	736,189	U2	328,286
D1	220,419	J1	24,964	P2	615,723	V4	378,570
E2	175,212	K2	23,095	Q2	11,126		
F3	15,259	L4	69,952	R2	118,661		

Density (1) 2,350,171      (2) 1,832,867      (3) 470,902      (4) 5,829,706      Total: 10,483,646

**Crisfield, Md.-Va. (VIMS Map # 101)**

A4	269,174	H2	29,832	N3	44,888	T3	62,106
B1	80,549	I3	25,916	O3	86,581	U2	8,003
C2	280,320	J2	6,656	P4	188,147	V3	26,047
D3	25,424	K2	62,739	Q3	36,349	W2	5,463
E3	28,883	L2	10,978	R3	32,962	X2	12,004
F3	158,219	M1	36,881	S2	23,608		
G2	61,847						

Density (1) 117,430      (2) 501,448      (3) 527,376      (4) 457,321      Total: 1,603,575

**Saxis, Va.-Md. (VIMS Map # 102)**

A1	1,613	B1	6,711				
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Density (1) 8,324      (2) 0      (3) 0      (4) 0      Total: 8,324

SAV

**Reedville, Va. (VIMS Map # 106)**

A1	5,478	C2	319,975	E1	756,909		
B2	6,309	D3	1,044,159	F3	225,958		
Density (1)	762,386	(2)	326,283	(3)	1,270,117	(4)	0
							Total: 2,358,787

**Tangier Island, Va. (VIMS Map # 107)**

A3	64,887	E2	748,579	I2	152,261	M4	1,165,834
B1	397,860	F4	196,025	J4	249,492	N1	227,354
C3	92,292	G1	100,078	K1	354,877	O3	57,235
D4	294,247	H2	40,498	L1	228,441		
Density (1)	1,308,610	(2)	941,338	(3)	214,414	(4)	1,905,598
							Total: 4,369,960

**Chesconessex, Va. (VIMS Map # 108)**

A1	67,213	M3	265,998	X3	387,598	IA1	3,210
B2	16,209	N4	261,939	Y1	90,538	JA2	61,598
C1	61,886	O1	36,649	Z2	257,585	KA2	1,606,948
D2	39,173	P4	224,998	AA4	99,151	LA1	70,663
E3	111,523	Q1	16,218	BA1	868,611	MA4	213,857
F2	14,401	R1	7,798	CA4	462,647	NA4	21,734
G2	1,851	S3	2,722	DA3	332,054	OA1	20,927
H2	30,504	T3	437,612	EA1	86,376	PA1	23,763
I2	2,322	U4	413,141	FA1	145,707	QA4	140,627
J1	15,342	V4	415,392	GA4	845,687	RA2	36,101
K4	387,876	W1	352,800	HA1	97,893		
L1	263,151						
Density (1)	2,228,744	(2)	2,066,690	(3)	1,537,507	(4)	3,487,050
							Total: 9,319,992

**Parksley, Va. (VIMS Map # 109)**

A1	28,695	K1	86,027	T4	26,286	CA4	11,517
B3	54,573	L1	4,449	U1	205,999	DA1	3,770
C1	38,109	M2	21,810	V2	56,542	EA2	82,762
D2	64,911	N1	31,433	W1	126,132	FA2	4,126
E4	1,452,008	O4	78,962	X2	94,543	GA1	4,093
F1	150,347	P2	20,888	Y2	8,092	HA1	3,838
G2	87,493	Q3	5,600	Z2	43,158	IA1	20,706
H4	313,978	R2	1,706	AA1	2,347	JA1	34,139
I2	40,354	S1	2,301	BA1	4,926		
J4	187,417						
Density (1)	747,309	(2)	526,386	(3)	60,173	(4)	2,070,168
							Total: 3,404,036

**Irvington, Va. (VIMS Map # 111)**

A3	5,823	D2	40,919	G2	33,346	J1	6,783	
B3	3,972	E2	5,549	H1	7,017			
C2	2,113	F3	94,500	I2	5,116			
Density (1)	13,800	(2)	87,042	(3)	104,296	(4)	0	
							Total:	205,138

**Fleets Bay, Va. (VIMS Map # 112)**

A2	104,605	J2	22,690	R4	8,214	Z2	297,891	
B2	22,843	K2	21,983	S4	5,681	AA2	928,936	
C2	112,066	L2	31,374	T2	67,987	BA4	49,050	
D2	131,534	M4	22,336	U2	26,495	CA3	13,173	
E2	196,828	N2	124,555	V3	17,070	DA2	4,470	
F2	3,792	O4	66,799	W2	5,453	EA2	3,589	
G2	3,191	P2	954,285	X3	6,271	FA1	702,615	
H2	3,113	Q1	341,254	Y2	5,944			
I2	6,373							
Density (1)	1,043,870	(2)	3,079,996	(3)	36,514	(4)	152,080	
							Total:	4,312,460

**Nandua Creek, Va. (VIMS Map # 113)**

A2	32,966	E2	5,328	I2	638,747	M3	76,015	
B2	5,255	F3	28,628	J4	359,435	N2	635,523	
C2	13,913	G4	525,840	K1	60,651	O1	1,003,494	
D4	79,067	H1	195,566	L2	122,597			
Density (1)	1,259,711	(2)	1,454,329	(3)	104,643	(4)	964,341	
							Total:	3,783,023

**Pungoteague, Va. (VIMS Map # 114)**

A4	62,582	L1	1,928,617	W2	4,526	GA1	120,623	
B2	27,333	M2	222,545	X2	9,774	HA1	422,035	
C3	20,961	N2	56,285	Y2	2,615	IA2	42,626	
D2	377,022	O2	15,061	Z2	12,943	JA4	8,903	
E3	28,619	P1	140,554	AA2	80,630	KA2	3,893	
F2	68,587	Q4	84,918	BA1	5,621	LA3	6,765	
G4	384,644	R1	69,860	CA4	47,106	MA2	8,977	
H3	76,013	S3	369,917	DA1	16,282	NA2	13,840	
I2	411,751	T1	472,194	EA4	68,667	OA1	2,819	
J4	2,997,977	U3	64,571	FA2	98,369			
K2	52,548	V2	1,863					
Density (1)	3,178,605	(2)	1,511,186	(3)	566,845	(4)	3,654,797	
							Total:	8,911,433

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**Deltaville, Va. (VIMS Map # 118)**

A2	11,259	D1	251,796	G1	33,545	I2	5,572
B1	139,257	E2	273,124	H1	9,306		
C2	84,759	F4	108,013				
Density (1) 433,903		(2) 374,714	(3) 0	(4) 108,013	Total: 916,631		

**Jamesville, Va. (VIMS Map # 119)**

A1	27,555	K2	19,986	T4	434,761	CA4	88,197
B1	29,171	L3	40,707	U1	15,976	DA1	167,367
C1	28,753	M2	53,350	V2	28,605	EA4	165,550
D1	681,978	N4	13,583	W2	18,750	FA2	40,612
E2	48,234	O1	1,256,692	X2	23,448	GA4	145,377
F1	44,153	P4	96,415	Y1	69,112	HA1	23,412
G4	381,275	Q1	372,937	Z2	633,442	IA2	36,627
H2	86,936	R3	21,168	AA3	125,866	JA2	62,623
I2	30,664	S1	97,773	BA1	31,894		
J2	17,972						
Density (1) 2,846,771		(2) 1,101,249	(3) 187,741	(4) 1,325,158	Total: 5,460,920		

**Ware Neck, Va. (VIMS Map # 122)**

A2	11,037	E4	491,235	I3	62,782	L3	402,828
B2	20,438	F2	220,042	J4	77,885	M1	192,024
C2	190,809	G4	283,012	K4	77,019	N4	235,044
D3	102,831	H4	211,412				
Density (1) 192,024		(2) 442,326	(3) 568,441	(4) 1,375,607	Total: 2,578,398		

**Mathews, Va. (VIMS Map # 123)**

A2	4,753	H2	5,381	N3	9,933	T3	23,439
B2	5,577	I2	224,303	O3	47,868	U4	25,840
C2	10,793	J4	92,911	P2	72,877	V4	198,686
D2	9,158	K4	276,258	Q3	105,020	W4	61,089
E2	16,495	L2	7,169	R4	132,837	X2	6,599
F2	64,247	M3	186,258	S2	21,307		
G3	127,611						
Density (1) 0		(2) 448,658	(3) 500,129	(4) 787,621	Total: 1,736,408		

**Franktown, Va. (VIMS Map # 124)**

A2	13,755	O1	36,569	BA3	134,784	OA1	18,205
B4	109,334	P2	5,976	CA2	16,339	PA2	8,248
C2	44,910	Q2	3,658	DA1	15,261	QA3	15,334
D3	25,533	R4	258,301	EA2	21,028	RA4	24,426
E1	67,575	S2	96,163	FA2	55,153	SA2	4,058
F4	1,216,827	T2	6,089	GA4	222,282	TA2	3,159
G1	355,663	U4	1,803,332	HA2	49,493	UA3	3,934
H2	247,171	V1	344,063	IA3	24,552	VA4	4,616
I4	166,900	W1	72,877	JA4	10,491	WA3	3,163
J1	49,999	X2	48,057	KA2	4,038	XA2	8,449
K2	26,147	Y1	64,438	LA4	80,949	YA4	187,192
L4	123,654	Z3	43,895	MA1	17,789	ZA1	170,591
M4	29,847	AA1	26,390	NA3	46,660		
N3	13,322						

Density (1) 1,239,418      (2) 661,891      (3) 311,176      (4) 4,238,150      Total: 6,450,634

**Achilles, Va. (VIMS Map # 131)**

A2	15,285	K4	356,176	U2	33,863	EA4	1,719,728
B3	68,388	L2	18,300	V2	3,153	FA1	82,174
C2	44,234	M3	124,002	W4	1,286,279	GA1	85,342
D3	74,955	N4	208,726	X2	64,026	HA4	1,385,112
E1	11,041	O3	16,952	Y2	24,838	IA2	112,298
F4	709,667	P3	26,268	Z2	6,695	JA4	81,417
G2	204,949	Q4	1,855,774	AA4	69,751	KA4	57,971
H4	1,375,913	R2	30,918	BA2	52,144	LA4	67,362
I2	255,477	S1	175,610	CA3	176,168	MA3	925,761
J2	35,270	T2	5,451	DA2	2,385	NA4	127,523

Density (1) 354,166      (2) 909,286      (3) 1,412,493      (4) 9,301,397      Total: 11,977,343

**New Point Comfort, Va. (VIMS Map # 132)**

A4	1,203,758	J2	33,893	R2	259,022	Z4	86,766
B2	10,577	K2	14,653	S4	325,458	AA2	261,290
C4	175,353	L1	290,429	T4	75,276	BA1	409,301
D4	1,731,600	M4	50,395	U3	19,031	CA1	361,990
E2	7,467	N1	112,364	V1	3,161	DA4	4,600,410
F4	664,449	O3	293,138	W4	1,288,355	EA2	230,241
G3	472,386	P1	307,459	X1	117,540	FA1	107,460
H2	2,582	Q4	429,985	Y3	84,180		
I4	1,109,322						

Density (1) 1,709,703      (2) 819,726      (3) 868,735      (4) 11,741,128      Total: 15,139,291

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**Cape Charles, Va. (VIMS Map # 133)**

A2	287,182	F3	4,067	K3	3,878	P1	1,211,002		
B4	19,272	G4	685,662	L2	5,326	Q3	523,110		
C1	98,149	H2	64,530	M2	2,082	R2	65,686		
D2	236,279	I1	139,170	N2	92,098				
E4	131,695	J2	33,995	O2	679,714				
Density (1)	1,448,321	(2)	1,466,891	(3)	531,055	(4)	836,629	Total:	4,282,896

**Cheriton, Va. (VIMS Map # 134)**

A4	67,338	D2	8,861	F2	79,336	H2	37,949		
B2	164,502	E4	239,026	G1	187,304				
C1	98,780								
Density (1)	286,084	(2)	290,648	(3)	0	(4)	306,365	Total:	883,097

**Yorktown, Va. (VIMS Map # 139)**

A1	22,122	C2	15,528	E2	2,593	G1	2,927		
B1	683	D2	5,027	F1	1,129				
Density (1)	26,860	(2)	23,148	(3)	0	(4)	0	Total:	50,009

**Poquoson West, Va. (VIMS Map # 140)**

A4	43,398	K4	675,851	U2	525,084	DA4	207,074		
B4	54,642	L1	336,853	V1	166,943	EA3	514,449		
C4	60,385	M2	356,428	W1	346,883	FA1	127,447		
D1	26,927	N4	499,262	X4	199,237	GA2	116,434		
E2	43,316	O1	144,608	Y2	33,077	HA4	29,123		
F2	4,500	P3	142,455	Z1	45,624	IA4	76,488		
G1	1,320	Q4	93,248	AA4	120,565	JA4	6,105		
H2	7,371	R2	19,681	BA1	30,285	KA4	10,846		
I1	91,358	S2	12,287	CA1	100,246				
J4	81,314	T3	495,826						
Density (1)	1,418,495	(2)	1,118,179	(3)	1,152,730	(4)	2,157,540	Total:	5,846,944

**Poquoson East, Va. (VIMS Map # 141)**

A4	1,906	E4	66,418	I4	5,468,725	M2	2,637,659		
B4	11,056	F4	478,608	J2	708,683	N3	712,058		
C4	12,104	G2	14,838	K1	54,764				
D4	15,412	H3	866,887	L4	809,873				
Density (1)	54,764	(2)	3,361,180	(3)	1,578,945	(4)	6,864,104	Total:	11,858,993



**Elliotts Creek, Va. (VIMS Map # 142)**

A1	637,943	B2	795,361	C3	400,028	
Density (1)	637,943	(2)	795,361	(3)	400,028	(4) 0
						Total: 1,833,333

**Hampton, Va. (VIMS Map # 147)**

A1	13,484	G1	20,537	M4	128,312	S1	30,672
B4	335,532	H2	116,502	N4	101,618	T4	87,196
C2	5,259	I4	155,997	O4	106,961	U1	54,712
D3	24,511	J4	44,803	P3	117,086	V1	19,057
E4	521,214	K4	437,307	Q1	182,996		
F2	632,946	L4	222,493	R1	331,057		
Density (1)	652,515	(2)	754,707	(3)	141,597	(4)	2,141,433
							Total: 3,690,252

**Newport News South, Va. (VIMS Map # 149)**

A2	10,456	C1	71,507	E1	134,173	
B2	21,990	D3	7,042			
Density (1)	205,680	(2)	32,446	(3)	7,042	(4) 0
						Total: 245,168

**Little Creek, Va. (VIMS Map # 151)**

A1	7,733	B2	36,012			
Density (1)	7,733	(2)	36,012	(3)	0	
					(4) 0	
						Total: 43,745

**Cape Henry, Va. (VIMS Map # 152)**

A3	9,474	D1	8,369	G1	8,697	J1	21,911
B1	6,163	E1	8,006	H2	12,901	K1	10,672
C1	17,336	F1	32,444	I1	25,396		
Density (1)	138,995	(2)	12,901	(3)	9,474	(4)	0
							Total: 161,371

**Bristol, Md. (VIMS Map # 159)**

A4	23,619	C4	149,440	E3	2,281	G3	7,067
B4	37,563	D4	15,525	F3	4,027		
Density (1)	0	(2)	0	(3)	13,375	(4)	226,147
							Total: 239,523

SAV

**Port Tobacco, Md. (VIMS Map # 161)**

A4	3,774	C2	1,257	D3	680
B2	1,664				

Density (1) 0	(2) 2,922	(3) 680	(4) 3,774	Total: 7,376
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**Charlotte Hall, Md. (VIMS Map # 162)**

A1	2,186	B4	158,688
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Density (1) 2,186	(2) 0	(3) 0	(4) 158,688	Total: 160,873
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**Assawoman Bay, Md.- Del. (VIMS Map # 166)**

A2	248,506	E4	895,725	I4	121,325	L2	6,433
B4	385,813	F1	126,900	J3	18,292	M3	27,406
C2	65,711	G1	113,567	K4	78,744		
D1	280,198	H2	64,464				

Density (1) 520,665	(2) 385,114	(3) 45,698	(4) 1,481,606	Total: 2,433,083
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**Berlin, Md. (VIMS Map # 167)**

A1	41,169	D2	65,556	G2	29,865	J3	15,518
B2	317,182	E2	38,842	H1	27,455	K4	16,885
C2	120,510	F3	27,190	I1	38,023		

Density (1) 106,647	(2) 571,955	(3) 42,708	(4) 16,885	Total: 738,196
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**Ocean City, Md. (VIMS Map # 168)**

A2	113,213	C2	115,773	E2	9,469	G2	90,031
B3	131,805	D4	259,440	F1	78,782		

Density (1) 78,782	(2) 328,486	(3) 131,805	(4) 259,440	Total: 798,513
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**Tingles Island, Md. (VIMS Map # 170)**

A2	202,221	K2	222,795	U2	215,607	DA3	178,222
B4	728,213	L1	57,793	V3	14,084	EA2	13,771
C3	83,302	M1	191,244	W2	184,325	FA2	106,532
D1	97,457	N3	39,997	X1	27,714	GA2	110,936
E4	8,355,043	O1	183,746	Y1	2,456	HA2	29,354
F2	91,885	P4	542,418	Z4	339,757	IA2	52,287
G2	93,937	Q2	585,157	AA4	213,605	JA2	12,689
H1	94,083	R1	7,257	BA3	9,994	KA2	17,385
I1	156,816	S2	310,891	CA4	128,503		
J2	46,120	T4	1,476,686				

Density (1) 818,566      (2) 2,295,889      (3) 325,599      (4) 11,784,226      Total: 15,224,280

**Girdle Tree, Md.-Va. (VIMS Map # 171)**

A1      153,434

Density (1) 153,434      (2) 0      (3) 0      (4) 0      Total: 153,434

**Boxiron, Md.-Va. (VIMS Map # 172)**

A1	47,087	G2	807,689	M4	35,486	S2	2,743
B4	3,895,610	H4	768,007	N4	125,219	T2	5,225
C2	497,541	I2	429,247	O4	1,026,702	U3	124,645
D4	151,549	J2	26,431	P2	209,362	V3	33,716
E1	357,367	K4	959,829	Q2	19,778		
F2	520,432	L2	300,573	R2	2,063		

Density (1) 404,454      (2) 2,821,084      (3) 158,361      (4) 6,962,401      Total: 10,346,300

**Whittington Point, Md.-Va. (VIMS Map # 173)**

A2	216,182	E2	57,140	I1	145,580	M2	78,706
B4	405,595	F2	102,491	J4	206,408	N1	44,911
C2	1,475,966	G1	114,948	K1	242,270		
D4	1,865,163	H3	678,748	L4	43,585		

Density (1) 547,710      (2) 1,930,485      (3) 678,748      (4) 2,520,752      Total: 5,677,695

**Chincoteague West, Va. (VIMS Map # 174)**

A1	602,764	D4	204,125	F3	796,337	H2	186,653
B1	222,269	E1	267,641	G2	1,634,665		
C2	204,317						

Density (1) 1,092,674      (2) 2,025,636      (3) 796,337      (4) 204,125      Total: 4,118,771

SAV

**Chincoteague East, Va. (VIMS Map # 175)**

A1	15,878	D2	2,851,293	G1	308,118	I4	33,511	
B1	52,026	E2	736,626	H2	530,072			
C1	550,098	F4	11,415,775					
Density (1)	926,119	(2)	4,117,991	(3)	0	(4)	11,449,286	
							Total:	16,493,395

**Anacostia, D.C.-Md. (VIMS Map # 176)**

A3	1,844	B2	1,693					
Density (1)	0	(2)	1,693	(3)	1,844	(4)	0	
							Total:	3,537

**East of New Point Comfort, Va. (VIMS Map # 177)**

A3	3,652							
Density (1)	0	(2)	0	(3)	3,652	(4)	0	
							Total:	3,652

**Bethel Beach, Va. (VIMS Map # 178)**

A2	3,934	B1	3,862					
Density (1)	3,862	(2)	3,934	(3)	0	(4)	0	
							Total:	7,796

**Goose Island, Va. (VIMS Map # 179)**

A1	20,542	C4	980,691	E3	8,018			
B3	158,459	D1	205,863					
Density (1)	226,405	(2)	0	(3)	166,477	(4)	980,691	
							Total:	1,373,574

**Fishermans Island, Va. (VIMS Map # 186)**

A2	5,658	C4	170,417	D4	19,867			
B2	19,763							
Density (1)	0	(2)	25,421	(3)	0	(4)	190,284	
							Total:	215,705

# APPENDIX D

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1997 Submerged Aquatic Vegetation Ground-Survey Data Listed by USGS 7.5 Minute Quadrangle  
and by 1997 Bed.

## KEY

\* Abbreviations under column “Species” are as follows:

Zm	-	<i>Zostera marina</i> (eelgrass)
Rm	-	<i>Ruppia maritima</i> (widgeon grass)
C	-	<i>Chara</i> sp. (muskgrass)
Cd	-	<i>Ceratophyllum demersum</i> (coontail)
Ec	-	<i>Elodea canadensis</i> (common elodea)
Ed	-	<i>Egeria densa</i> (water-weed)
Hd	-	<i>Heteranthera dubia</i> (water stargrass)
Hv	-	<i>Hydrilla verticillata</i> (hydrilla)
Ms	-	<i>Myriophyllum spicatum</i> (Eurasian watermilfoil)
N	-	<i>Najas</i> sp. (naiad)
Nfl	-	<i>Najas flexilis</i> (northern naiad)
Ngr	-	<i>Najas gracillima</i> (slender naiad)
Ngu	-	<i>Najas guadalupensis</i> (southern naiad)
Nm	-	<i>Najas minor</i> (no common name)
Nt	-	<i>Nitella</i> sp. (muskgrass)
Pcr	-	<i>Potamogeton crispus</i> (curly pondweed)
Pe	-	<i>Potamogeton epihydrus</i> (leafy pondweed)
Pn	-	<i>Potamogeton nodosus</i>
Ppc	-	<i>Potamogeton pectinatus</i> (sago pondweed)
Ppf	-	<i>Potamogeton perfoliatus</i> (redhead-grass)
Ppu	-	<i>Potamogeton pusillus</i> (slender pondweed)
Tn	-	<i>Trapa natans</i> (water chestnut)
Va	-	<i>Vallisneria americana</i> (wild celery)
Zp	-	<i>Zannichellia palustris</i> (horned pondweed)
U	-	Unknown species composition

\*\* Abbreviations under column “Surveyor” are as follows:

ACOE	-	U.S. Army Corps of Engineers, Baltimore District
APG	-	Aberdeen Proving Ground, U.S. Army (USAEC/ARL)
Citizen	-	Citizens’ Survey
CBL	-	Chesapeake Biological Laboratory, University of Maryland
EPA	-	United States Environmental Protection Agency
GICS	-	Gibson Island Country School
FOMC	-	Friends of Mattawoman Creek
Harford	-	Harford Community College
Ocean Pines	-	Ocean Pines Yacht Club
MD-DNR	-	Maryland Department of Natural Resources
MU	-	Millersville University, Biology
NAIB	-	National Aquarium in Baltimore
PRP	-	Maryland Natl. Park & Planning Commission, Patuxent River Park
PWRC	-	Patuxent Wildlife Research Center
NPS	-	National Park Service, Assateague National Seashore
SFNP	-	Sherwood Forest Naturalist Program
SMS	-	Southern Middle School
USFWS	-	United States Fish and Wildlife Service
USGS	-	United States Geological Survey
VIMS	-	Virginia Institute of Marine Science

## APPENDIX D

### 1997 Submerged Aquatic Vegetation Ground-Survey Data Listed by USGS 7.5 Minute Quadrangle

Quad	1997 Bed	Species*	Surveyor**	Survey Date
002	E4	Cd, Ec, Ms, Va	MU	09/06/97
	A2	Ec, Hv, Ms, Va	MU	09/06/97
	Spence Island	Cd, Ec, Hv, Ms, Va	MU	09/06/97
	A2	Ms, Hv, Cd, Nm	Harford	09/20/97
	A2	Ms, Hv, Cd	Harford	09/20/97
003	A1	Cd, Ms, Va	Citizen	09/01/97
	East of A1	Ms	Citizen	09/01/97
	East of A1	Cd, Ms	Citizen	09/01/97
	A1	Ms	Harford	10/12/97
	A1	Ms	Harford	10/12/97
	SA3	Ms	Harford	10/01/97
	QA3	Ms, Hv, Cd	Harford	10/01/97
	PA4	Ms, Cd, Hd, Hv	Harford	10/01/97
	OA2	Ms	Harford	10/01/97
	OA2	Va, Ms, Hv, Cd	Harford	10/01/97
	OA2	Ms, Va, Cd, Hv, Hd, Nm	Harford	10/01/97
	NA4	Ms, Hv, Cd, Hd	Harford	10/01/97
	NA4	Va, Ms, Hd, Nfl	Harford	10/01/97
	NA4	Hv, Va, Ms, Cd	Harford	10/01/97
	NA4	Va, Ms, Cd, Hd, Nm	Harford	10/01/97
	MA4	Hv, Ms, Cd	Harford	10/01/97
	MA4	Hv, Ms	Harford	10/01/97
	LA3	Hv, Ms, Cd	Harford	10/01/97
	JA3	Hv, Ms, Cd, Nm	Harford	09/20/97
	WA3	Ms, Hv, Hd, Cd	Harford	09/20/97
	UA3	Ms, Hv, Cd	Harford	09/20/97
	TA3	Ms, Hv, Cd	Harford	09/20/97
	IA4	Hv, Ms, Cd, Nm	Harford	09/20/97
	IA4	Hv, Ms, Hd	Harford	09/20/97
	GA3	Ms, Hv, Cd	Harford	09/20/97
	GA3	Ms, Cd, Hd, Hv	Harford	09/20/97
	GA3	Ms, Cd, Hd, Hv	Harford	09/20/97
	BA3	Ms, Hv, Cd	Harford	09/20/97
	CA2	Ms	Harford	09/20/97
	AA3	Ms, Hv	Harford	09/20/97
	Y3	Ms, Hv, Cd, Nm	Harford	09/20/97
	W3	Ms, Hv, Cd	Harford	09/20/97
	V3	Hv, Ms, Cd, Va	Harford	09/20/97
U4	Ms, Hv, Cd, Va	Harford	09/20/97	
T1	Ms	Harford	09/20/97	
S3	Ms, Hv, Va, Cd	Harford	09/20/97	

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
003	R3	Ms, Hv, Va, Cd	Harford	09/20/97
	Q3	Ms, Hv	Harford	09/20/97
	P2	Hv, Ms	Harford	09/20/97
	O3	Ms, Hv, Cd	Harford	09/20/97
	N3	Ms, Hv, Va	Harford	09/20/97
	M2	Ms, Hv, Va, Hd, Cd	Harford	10/12/97
	K2	Ms, Va, Hv, Cd	Harford	10/12/97
	F3	Ms, Va	Harford	10/12/97
	F3	Ms, Hd	Harford	10/12/97
	E4	Ms, Va, Cd	Harford	10/12/97
	E4	Ms	Harford	10/12/97
	E4	Hv, Ms, Cd, Va	Harford	10/12/97
	E4	Hv, Ms, Va, Hd, Cd	Harford	10/12/97
	J4	Cd, Hv, Ms, Va, Hd	Harford	10/12/97
	J4	Hv, Ms, Va	Harford	10/12/97
	J4	Hv, Va, Ms	Harford	10/12/97
	H4	Ms, Hv, Cd	Harford	10/12/97
	H4	Hv, Ms	Harford	10/12/97
	H4	Hv, Ms, Va, Hd	Harford	10/12/97
	H4	Va, Hv, Ms	Harford	10/12/97
	H4	Hv, Ms, Hd, Va, Cd	Harford	10/12/97
	H4	Va, Hv, Ms, Cd	Harford	10/12/97
	H4	Ms, Va, Cd, Hv	Harford	10/12/97
	H4	Ms, Hv, Va, Hd	Harford	10/12/97
	G4	Ms, Hd, Hv	Harford	10/12/97
	D2	Va, Ms	Harford	10/12/97
	D2	Ms, Va, Hd	Harford	10/12/97
	D2	Ms, Hd	Harford	10/12/97
	D2	Hd, Ms, Va	Harford	10/12/97
	D2	Ms, Hd, Va	Harford	10/12/97
	D2	Ms, Hd	Harford	10/12/97
	C1	Ms	Harford	10/12/97
	C1	Ms	Harford	10/12/97
	B2	Ms, Hd	Harford	10/12/97
004	West of M4	Cd, Ms	Citizen	08/25/97
	West of Hance Point	Ms	Citizen	08/25/97
	South of K1	Ms	Citizen	07/25/97
	Piney Creek Cove	Ms	Citizen	07/25/97
	Piney Creek Cove	Ms, Pcr	Citizen	07/25/97
	Muddy Creek	Ms, Va	Citizen	07/25/97
	A1	Ms	Citizen	07/25/97
	B2	Ms	Citizen	07/25/97
	A1	Ms	Harford	10/04/97
	D2	Ms, Va	Harford	10/04/97
E2	Va, Ms	Harford	10/04/97	
F4	Va, Ms	Harford	10/04/97	



Quad	1997 Bed	Species*	Surveyor**	Survey Date
004	G1	Va	Harford	10/04/97
	H2	Ms, Va, Ppc	Harford	10/04/97
	I1	Va	Harford	10/04/97
	J3	Va, Ms	Harford	10/04/97
	K1	Ms	Harford	10/04/97
	L1	Ms	Harford	10/04/97
	007	H2	Zp	Citizen
G3		Zp	Citizen	11/03/97
F1		Zp	Citizen	11/03/97
East of H2		Ms	APG	09-10/97
Reardon Inlet		Va, Zp, Ms	APG	09-10/97
Canal Creek		Va, Ms	APG	09-10/97
A1		Va, Ms	APG	09-10/97
A1		Va, Ms, Pcr	APG	09-10/97
A1		Va, Ms	APG	09-10/97
A1		Va, Ms	APG	09-10/97
A1		Ms, Va, Ppf	APG	09-10/97
A1		Va, Ms	APG	09-10/97
South of A1		Ms, Va	APG	09-10/97
K3		Ms, Pcr, Cd	APG	09-10/97
Kings Creek		Ms	APG	09-10/97
L4		Cd, Ms, Ec	APG	09-10/97
008	C4	Cd, Ms, Ec	APG	09-10/97
	B2	Cd, Ms, Ec	APG	09-10/97
	B2	Ms	APG	09-10/97
	A4	Hv, Ms, Va, Cd, Ppf, Zp	APG	09-10/97
	Bridge Creek	Ms	APG	09-10/97
	West of D3	Ms	APG	09-10/97
	D3	Ms, Hv	APG	09-10/97
	E3	Ms	APG	09-10/97
	Taylor Island Point	Va, Ms	APG	09-10/97
	F3	Ms	APG	09-10/97
	G3	Ms, Hv, Cd, Va	APG	09-10/97
	G3	Ms, Cd	APG	09-10/97
	H2	Ms	APG	09-10/97
	I2	Ms	APG	09-10/97
	J1	Ms, Va, Hv, Cd	APG	09-10/97
	K4	Ms, Va, Hv, Cd	APG	09-10/97
	K4	Hv, Ms	APG	09-10/97
	K4	Hv, Ms	APG	09-10/97
	K4	Ms, Va, Hv, Cd	APG	09-10/97
	K4	Ms, Va, Hv, Cd	APG	09-10/97
	M3	Va, Ms, Hv, Cd	APG	09-10/97
	Delph Creek	Hv, Cd, Va	APG	09-10/97
Delph Creek	Ms, Va, Hv, Cd	APG	09-10/97	

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
008	Delph Creek	Ms, Va, Hv, Cd	APG	09-10/97
	N2	Va, Ms	APG	09-10/97
	O2	Va, Ms	APG	09-10/97
	Old Womans Gut	Va, Ms	APG	09-10/97
	S3	Ms	APG	09-10/97
	S3	Ms	APG	09-10/97
009	Turkey Point	Ms, Va	Citizen	08/25/97
	WA2	Va, Ms, Hv	Harford	10/04/97
	YA1	Ms	Harford	09/28/97
	E1	Ms, Va, Hd	Harford	10/01/97
	F2	Ms	APG	09-10/97
	I2	Ms	APG	09-10/97
	G1	Ms, Hv	APG	09-10/97
	H3	Ms, Hv	APG	09-10/97
	J1	Ms	APG	09-10/97
	K1	Ms	APG	09-10/97
	LA1	Ms, Va	APG	09-10/97
	LA1	Ms	APG	09-10/97
	TA1	Ms	APG	09-10/97
	EA3	Ms, Va	APG	09-10/97
	FA4	Ms	APG	09-10/97
	Spesutie Island	Ms	APG	09-10/97
	Spesutie Island	Ms	APG	09-10/97
	Spesutie Island	Ms	APG	09-10/97
	Mouth of Back Creek	Ms	APG	09-10/97
	HA4	Ms, Hv, Cd	APG	09-10/97
	HA4	Ms, Hv, Cd	APG	09-10/97
	IA4	Ms, Hv, Cd	APG	09-10/97
	North of IA4	Ms	APG	09-10/97
	JA4	Ms, Hv	APG	09-10/97
	JA4	Ms, Hv, Cd	APG	09-10/97
	KA2	Ms, Hv, Cd	APG	09-10/97
	MA4	Ms, Hv, Cd	APG	09-10/97
	NA4	Ms, Hv, Cd	APG	09-10/97
	OA4	Ms, Hv, Cd	APG	09-10/97
	PA4	Ms, Hv, Cd	APG	09-10/97
	PA4	Ms, Hv, Cd	APG	09-10/97
	RA2	Ms, Hv, Cd	APG	09-10/97
QA3	Ms, Hv, Cd	APG	09-10/97	
SA2	Ms	APG	09-10/97	
SA2	Va	APG	09-10/97	
L4	Ms, Hv	APG	09-10/97	
L4	Ms, Nm, Hv, Va	APG	09-10/97	
L4	Ms, Nm, Hv	APG	09-10/97	
L4	Ms, Hv, Nm	APG	09-10/97	
L4	Ms, Hv, Cd, Nm	APG	09-10/97	

Quad	1997 Bed	Species*	Surveyor**	Survey Date
009	L4	Nm, Ms, Hv	APG	09-10/97
	L4	Nm, Hv, Ms	APG	09-10/97
	L4	Hv, Ms	APG	09-10/97
	L4	Hv	APG	09-10/97
	L4	Hv	APG	09-10/97
	L4	Hv, Ms	APG	09-10/97
	M3	Ms	APG	09-10/97
	N2	Ms	APG	09-10/97
	Dipper Creek	Hv, Ms	APG	09-10/97
	Dipper Creek	Hv, Ms, Cd	APG	09-10/97
	O4	Ms, Cd	APG	09-10/97
	O4	Hv, Ms, Cd, Nm	APG	09-10/97
	O4	Ms, Hv, Cd, Nm	APG	09-10/97
	P4	Ms, Hv, Nm, Cd	APG	09-10/97
	Q1	Ms, Hv, Nm, Cd	APG	09-10/97
	Woodrest Creek	Ms, Hv	APG	09-10/97
	Woodrest Creek	Ms, Hv	APG	09-10/97
	Woodrest Creek	Ms, Hv	APG	09-10/97
	R4	Ms, Hv, Cd, Va	APG	09-10/97
	R4	Ms, Va	APG	09-10/97
	S3	Ms, Va	APG	09-10/97
	U1	Ms, Va	APG	09-10/97
	V4	Va, Ms, Hv	APG	09-10/97
	Little Mosquito Creek	Va, Ms, Nm, Hv	APG	09-10/97
	V4	Ms	APG	09-10/97
	Mosquito Creek	Ms	APG	09-10/97
	Mosquito Creek	Ms	APG	09-10/97
	X4	Ms	APG	09-10/97
	Y2	Ms, Va, Hv	APG	09-10/97
	Z4	Hv, Ms, Cd	APG	09-10/97
	Mosquito Creek	Ms	APG	09-10/97
	Mosquito Creek	Ms, Cd, Hv	APG	09-10/97
	Mosquito Creek	Ms, Hv, Cd	APG	09-10/97
	Mosquito Creek	Ms, Hv, Cd	APG	09-10/97
Mosquito Creek	Ms, Cd, Hv	APG	09-10/97	
010	Sassafras River	Ms	Harford	09/28/97
	A1	Ms	Harford	09/28/97
	B1	Ms	Harford	09/28/97
	D4	Va, Ms	Harford	10/04/97
	E3	Ms, Va	Harford	10/04/97
	O2	Hv, Va, Ms	Harford	10/04/97
	P2	Hv, Va, Ms	Harford	10/04/97
	Q1	Ms	Harford	10/04/97
	R1	Ms	Harford	10/04/97
	S2	Ms	Harford	10/04/97
	S2	Ms, Hv	Harford	10/04/97

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
010	S2	Ms, Va	Harford	10/04/97
	T3	Va, Ms, Ppc	Harford	10/04/97
	U2	Ms, Va	Harford	10/04/97
	V3	Va, Ms	Harford	10/04/97
	W3	Ms	Harford	10/04/97
	X2	Ms, Va	Harford	10/04/97
	Y2	Ms, Va	Harford	10/04/97
	013	North of Hopkins Creek	Ppf, Zp	Citizen
Hopkins Creek		Ppf, Zp	Citizen	06/01/97
North of Log Point		Ppf, Zp	Citizen	06/01/97
N. of Strawberry Point		Ms, Va, Zp	Citizen	08/14/97
Stansbury Creek		Ms, Va, Zp	Citizen	08/14/97
Stansbury Creek		Ec, Ms, Va, Zp	Citizen	08/14/97
Stansbury Creek		Ms, Pcr, Va, Zp	Citizen	08/14/97
B2		Ec, Ms	APG	09-10/97
014	Railroad Creek	Cd, Ms, U	Citizen	08/15/97
	West of Wright Creek	Ec	Citizen	06/28/97
	West of Wright Creek	Ms	APG	09-10/97
	West of Swaderick Creek	Ms, Ngr, Pcr, Va, Ec	APG	09-10/97
	N3	Ms, Va	APG	09-10/97
	N3	Va	APG	09-10/97
	F2	Cd, Ms, Ec	APG	09-10/97
	E4	Ms, Ec, Cd	APG	09-10/97
	East of E4	Ms, Cd	APG	09-10/97
	E4	Ec, Ms, Cd	APG	09-10/97
	I2	Ms	APG	09-10/97
	Tip Carroll Point	Va	APG	09-10/97
	Carroll Point	Va	APG	09-10/97
	DA2	Va	APG	09-10/97
	EA4	Ec, Va	APG	09-10/97
	DA2	Ec, Va	APG	09-10/97
	DA2	Va, Ec	APG	09-10/97
	DA2	Va, Ec	APG	09-10/97
	GA4	Ec, Ms, Cd, Va, Ppu	APG	09-10/97
	GA4	Ec, Va, Cd	APG	09-10/97
	BA4	Ec, Ms, Va	APG	09-10/97
	BA4	Ec, Zp, Cd	APG	09-10/97
	Z4	Ec, Ms, Va	APG	09-10/97
	Y3	Ec, Ms, Va	APG	09-10/97
	Y3	Ec, Ms, Va	APG	09-10/97
	U2	Va, Ms	APG	09-10/97
	U2	Ms, Ec	APG	09-10/97
	W4	Ec, Va, Ms, Cd	APG	09-10/97
	North of LA2	Ec, Ms	APG	09-10/97
	LA2	Ec, Cd, Ms	APG	09-10/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date	
014	KA4	Va, Ec, Ms, Cd	APG	09-10/97	
	JA2	Cd, Ec, Va	APG	09-10/97	
	HA2	Ec, Ms	APG	09-10/97	
	HA2	Va	APG	09-10/97	
	TA1	Va	APG	09-10/97	
	TA1	Va	APG	09-10/97	
	TA1	Va	APG	09-10/97	
	RA4	Va, Ec, Ms, Cd	APG	09-10/97	
	RA4	Ec, Va, Ms	APG	09-10/97	
	PA4	Ec, Ms, Va, Cd	APG	09-10/97	
	PA4	Va, Ec, Ms, Cd, Ppf	APG	09-10/97	
	PA4	Ec, Ms, Cd	APG	09-10/97	
	PA4	Va, Ec	APG	09-10/97	
	PA4	Ec, Cd, Va	APG	09-10/97	
	PA4	Ec, Cd, Va	APG	09-10/97	
	PA4	Ec, Ms, Va	APG	09-10/97	
	OA4	Va, Ms, Ec	APG	09-10/97	
	OA4	Va, Ec, Ms, Ppf	APG	09-10/97	
	OA4	Ec, Va, Ms, Cd	APG	09-10/97	
	OA4	Va, Ec, Ms, Ppf	APG	09-10/97	
	OA4	Ms, Va, Cd	APG	09-10/97	
	OA4	Ec, Va, Ms, Cd	APG	09-10/97	
	OA4	Ec, Ms, Nm, Cd	APG	09-10/97	
	MA4	Ec	APG	09-10/97	
	MA4	Ec, Cd	APG	09-10/97	
	MA4	Cd, Va, Ec	APG	09-10/97	
	B3	Va, Ms, Ppf, Pcr	APG	09-10/97	
	B3	Va, Ms, Ppf, Pcr, Cd	APG	09-10/97	
		West Cunninghill Cove	Ms, Va	APG	09-10/97
	015	G2	Ms, Pcr	Citizen	08/09/97
E2		Pcr	Citizen	08/09/97	
M2		Ms	Citizen	08/09/97	
I3		Ms	Citizen	08/09/97	
Handys Point		Ms, Pcr, Va	Citizen	08/24/97	
Worton Creek		Pcr	Citizen	06/21/97	
Abbey Creek		Va, Ms, Cd, Ppu, Zp	APG	09-10/97	
Abbey Creek		Va, Ms, Cd, Ppu, Zp	APG	09-10/97	
S2		Va, Ms, Cd, Ppu, Zp	APG	09-10/97	
T2		Ms	APG	09-10/97	
U2		Ms	APG	09-10/97	
016		B1	Cd, Ms, Hv	Harford	09/28/97
	H2	Ms, Cd, Hv	Harford	09/28/97	
	D2	Ms	Harford	09/28/97	
	E4	Ms, Cd, Hv, Va	Harford	09/28/97	
	F2	Ms, Cd, Hv, Va	Harford	09/28/97	

## SAV

<b>Quad</b>	<b>1997 Bed</b>	<b>Species*</b>	<b>Surveyor**</b>	<b>Survey Date</b>
016	F2	Ms, Cd, Hv, Va	Harford	09/28/97
017	F1	Ms	Harford	09/28/97
	G2	Ms	Harford	09/28/97
	H1	Ms	Harford	09/28/97
	I1	Ms	Harford	09/28/97
	E1	Ms	Harford	09/28/97
	K1	Ms	Harford	09/28/97
	B2	Va, Hv, Ms	Harford	09/28/97
018	Tanyard Cove	Ms	Citizen	08/31/97
019	B3	Ms	ACOE	07/28-29/97
021	J2	Rm, Ppf, Ms, Ec, Va	PWRC	08/08/97
023	V3	Rm	Citizen	08/03/97
	Severn River Bridge	Rm	Citizen	08/03/97
	E4	Ppf, Rm	SFNP	08/25/97
	O4	Ppf	SFNP	08/25/97
	N4	Ppf	SFNP	08/25/97
	C3	Ms	SFNP	08/25/97
	T3	Rm	SFNP	08/25/97
	U3	Rm	SFNP	08/25/97
	P3	Rm	SFNP	08/25/97
	O4	Rm	SFNP	08/25/97
	O4	Rm	SFNP	08/25/97
	O4	Rm	SFNP	08/25/97
	O4	Rm	SFNP	08/25/97
	N4	Rm	SFNP	08/25/97
	N4	Rm	SFNP	08/25/97
	J3	Rm	SFNP	08/25/97
	J3	Rm	SFNP	08/25/97
	K2	Rm	SFNP	08/25/97
	K2	Rm	SFNP	08/25/97
	I4	Rm	SFNP	08/25/97
	Little Round Bay	Rm	SFNP	08/25/97
	H1	Rm	SFNP	08/25/97
	Herald Harbor	Rm	SFNP	08/25/97
	East of Forked Creek	Rm	SFNP	08/25/97
	G1	Rm	SFNP	08/25/97
	Linestead on the Severn	Rm	SFNP	08/25/97
	F2	Rm	SFNP	08/25/97
	E4	Rm	SFNP	08/25/97
	E4	Rm	SFNP	08/25/97
	North of D4	Rm	SFNP	08/25/97
	C3	Ms, Rm	SFNP	08/25/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date
023	Chase Creek	Rm	SFNP	08/25/97
	B2	Rm	SFNP	08/25/97
	A2	Rm	SFNP	08/25/97
	Winchester on the Severn	Rm	SFNP	06/10/97
	Cool Spring Creek	Ppf	SFNP	08/25/97
	E4	Ppf, Zp	MD-DNR	06/19/97
	O4	Rm, Zp	MD-DNR	06/19/97
	N4	Zp, Rm, Ppf, Ms	Citizen	06/18/97
	X1	Zp	USFWS	07/09/97
	Henderson Point	Zp	USFWS	07/09/97
	Smugglers Cove	Ms, Zp	USFWS	07/09/97
	Cypress Creek	Zp	USFWS	07/09/97
	Cypress Creek	Zp	USFWS	07/09/97
	Y4	Rm	USFWS	10/05/97
	E4	Ppf	USFWS	05/23/97
	E4	Ppf	USFWS	05/23/97
	E4	Ppf, Rm	USFWS	05/23/97
	Cypress Creek	Zp	USFWS	07/09/97
	Cypress Creek	Zp	USFWS	07/09/97
	X1	Ppf, Zp	USFWS	07/09/97
	X1	Zp	USFWS	07/09/97
	X1	Zp	USFWS	07/09/97
	X1	Ppf, Va, Zp	USFWS	07/09/97
	X1	Rm, Zp	USFWS	07/09/97
	X1	Zp, Rm, Ppf	USFWS	07/09/97
	W2	Ppf, Rm	USFWS	06/14/97
	North Ferry Point	Zp	USFWS	07/09/97
	Y4	Rm, Zp	USFWS	07/09/97
	Y4	Rm, Zp	USFWS	07/09/97
	North of X1	Rm, Zp	USFWS	07/09/97
	North of Z1	Zp	USFWS	07/09/97
	Ross Cove	Zp	USFWS	07/09/97
	Ross Cove	Zp	USFWS	07/09/97
	Cockey Creek	Zp	USFWS	07/09/97
	Cockey Creek	Zp	USFWS	07/09/97
	Cattail Creek	Zp	USFWS	07/09/97
	Dividing Creek	Zp	USFWS	07/09/97
	Dividing Creek	Zp	USFWS	07/09/97
	Henderson Point	Zp	USFWS	07/09/97
	Cypress Creek	Zp	USFWS	07/09/97
	Mill Creek	Zp	USFWS	07/09/97
	Mill Creek	Zp	USFWS	07/09/97
	Cockey Creek	Zp	USFWS	07/09/97
	Cockey Creek	Zp	USFWS	07/09/97
	Magothy Park Beach	Zp	USFWS	07/09/97
	Magothy cove	Zp	USFWS	07/09/97
	Magothy/Beachwood park	Zp	USFWS	07/09/97

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
023	Whitehurst Beach	Zp	USFWS	07/09/97
	Mill Creek	Zp, Ms	USFWS	07/09/97
	Cattail Creek	Zp	USFWS	07/09/97
	E4	Rm, Zp, Ppf, Ppc	USFWS	07/04/97
	Mill Creek	Zp	USFWS	07/09/97
	Mill Creek	Zp	USFWS	07/09/97
	Mill Creek	Zp	USFWS	07/09/97
	024	C1	Ppf, U, Zp	Citizen
	D4	Ms	Citizen	08/19/97
	W4	Ec, Ms, Ppf, Zp	Citizen	06/24/97
	Y4	Ec, Ms, Ppf, Va, Zp	Citizen	06/24/97
	Z4	Ms, Ppf, Rm, Zp	Citizen	06/24/97
	BA4	Ec, Ppf, Rm	GICS	09/02/97
	Park Creek	Ms, Rm	Citizen	07/09/97
	Forked Creek	Zp	Citizen	05/26/97
	Deep Creek	Ms	Citizen	08/19/97
	Deep Creek	Ms	Citizen	08/19/97
	A4	Ms	Citizen	09/13/97
	Winchester Pond	Ms, Ppf, Zp	Citizen	09/14/97
	Manresa	Ms	Citizen	09/14/97
	B4	Ms	Citizen	09/13/97
	DA4	Ppf, Zp, Rm	USFWS	06/25/97
	EA4	Ppf	USFWS	05/08/97
	Y4	Ms, Ppf, Ec, Zp, N, Ppc	USFWS	06/25/97
	EA4	Ppc, Ppf	USFWS	05/25/97
	Broad Creek	Zp	USFWS	06/22/97
	W4	Ppf, Rm, Ppc, Ms, Va, Ec, Zp	USFWS	06/22/97
	H2	Rm, Ppf, Zp	USFWS	06/28/97
	Blackhole Creek	Zp	USFWS	05/08/97
	Z4	Ppf, Ms, Rm, Ec, Zp	USFWS	06/25/97
	EA4	Ppc	USFWS	05/08/97
	DA4	Ms, Zp, Ppf	USFWS	05/08/97
	Dobbins Island	Zp	USFWS	05/08/97
	Blackhole Creek	Ppc, Zp, Ppf	USFWS	06/22/97
	Blackhole Creek	Zp	USFWS	06/22/97
	EA4	Ppf, Ppc	USFWS	07/27/97
	I2	Zp, Ppc, Rm	USFWS	09/13/97
	Little Magothy River	Ms	USFWS	09/13/97
	U3	Ppf, Rm, Ec, Ms, Ppc	USFWS	07/27/97
	Blackhole Creek mouth	Ppc, Zp	USFWS	07/09/97
	G3	Zp, Rm, Ppc, Ppf	USFWS	07/27/97
	E4	Ppc, Ppf, Rm, Zp	USFWS	07/27/97
	G3	Zp	USFWS	07/27/97
026	NA4	Rm, Ppf, Ppc	PWRC	08/13/97
	OA1	Rm, Ppf, Ppc	PWRC	08/13/97



Quad	1997 Bed	Species*	Surveyor**	Survey Date
026	RA4	Rm, Ppf, Ms, Ec, Zp	PWRC	08/02/97
	U4	Rm, Ppf, Ppc, Ms, Ec, Cd	PWRC	08/02/97
	B4	Rm, Ms, Ec	PWRC	08/05/97
	C4	Rm, Ec, Zp	PWRC	08/05/97
	D4	Rm, Ppf, Ec, Zp	PWRC	08/05/97
	F3	Rm, Ppf, Ec, Zp	PWRC	08/05/97
	K4	Ms, Ec	PWRC	08/05/97
	G4	Rm, Ms, Ec	PWRC	08/05/97
	S4	Rm, Ppf, N	PWRC	08/04/97
	W4	Ppf, Ms, Ec	PWRC	08/04/97
	W4	Rm, Ms, Ec, N, C	PWRC	08/02/97
	X4	Rm, Ppf, Ms, Ec, Zp, N, C	PWRC	08/02/97
	Y1	Rm, Ppf, Ec, N	PWRC	08/02/97
	BA4	Rm, Ppf, Ec	PWRC	08/08/97
	CA4	Rm, Ppf, Ms, Ec, Zp	PWRC	08/08/97
	DA4	Rm, Ms	PWRC	08/08/97
	EA2	Ppf, Ms	PWRC	08/08/97
	FA3	Ppf, Ms	PWRC	08/08/97
	GA4	Rm, Ppf, Ppc, Ms, Ec	PWRC	08/08/97
	HA3	Rm, Ppf, Ppc	PWRC	08/08/97
	IA2	Rm, Ppf, Ppc	PWRC	08/08/97
	JA4	Rm, Ppf, Ms, Ec, Zp, N, C	PWRC	08/08/97
	JA4	Rm, Ppf, Ppc	PWRC	08/08/97
	K4	Ms, Ec	PWRC	08/05/97
	Z2	Rm, Ppf, Ec, N	PWRC	08/02/97
	T4	Ec, Rm, Ms, Zp, Va	PWRC	08/02/97
	JA4	Ppf, Ms, Zp, Ec	USFWS	06/13/97
	Wickes Beach	Ms, Ec	USFWS	06/13/97
	JA4	Ppc, Ppf, Zp	USFWS	06/13/97
	CA4	Ms, Ppf	USFWS	06/13/97
028	East Potomac Park	Va	USGS	09/25/97
	S. of Memorial Bridge	Hv	USGS	09/25/97
	Memorial Bridge	Hv	USGS	09/25/97
	South of A4	Hv	USGS	09/25/97
	Northwest of A4	Hv	USGS	09/25/97
029	Anacostia River	Hv	USGS	09/25/97
030	Selby Bay	Zp	Citizen	06/01/97
	B3	Rm, Zp	Citizen	07/28/97
	C3	Rm, Zp	Citizen	Summer 97
	Limehouse Cove	Zp	Citizen	06/01/97
	Brewers Creek	Rm, Zp	Citizen	06/01/97
	Pocahontas Creek	Rm, Zp	Citizen	06/01/97
	Larkington Cove	Rm, Zp	Citizen	06/01/97
	Brewers Creek	Rm, Zp	Citizen	Summer 97

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Quad	1997 Bed	Species*	Surveyor**	Survey Date
030	Cedar Point	Zp	Citizen	06/01/97
	Cedar Point	Rm, Zp	Citizen	07/28/97
	Cedar Point	Zp	Citizen	06/01/97
	D3	Rm, Zp	Citizen	07/28/97
	Glebe Bay	Zp	Citizen	06/01/97
	Glebe Creek	Zp	Citizen	06/01/97
	Glebe Creek	Zp	Citizen	06/01/97
	Glebe Creek	Zp	Citizen	06/01/97
	Glebe Creek	Zp	Citizen	06/01/97
	Glebe Creek	Zp	Citizen	06/01/97
	Glebe Creek	Zp	Citizen	06/01/97
	E1	Rm, Zp	Citizen	Summer 97
	West of E1	Rm, Zp	Citizen	Summer 97
	West of E1	Rm, Zp	Citizen	Summer 97
	Almshore Creek	Zp	Citizen	06/01/97
	Almshore Creek	Zp	Citizen	06/01/97
	Almshore Creek	Zp	Citizen	06/01/97
	Almshore Creek	Zp	Citizen	06/01/97
	N. of Pine Whiff Beach	Zp	Citizen	06/01/97
	Warehouse Creek	Zp	Citizen	06/01/97
	Warehouse Creek	Zp	Citizen	06/01/97
	Warehouse Creek	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Edgewater Beach	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	South Down Shores	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Hardestys Cove	Zp	Citizen	06/01/97
	Beards Creek	Zp	Citizen	06/01/97
	Riva Bridge	Zp	Citizen	06/01/97
	Riva Bridge	Zp	Citizen	06/01/97
	Granville Creek	Zp	Citizen	06/01/97
	Hambleton	Zp	Citizen	06/01/97
	Glen Isle	Zp	Citizen	06/01/97
	Upper South River - S. shore	Zp	Citizen	06/01/97
	Upper South River - S. shore	Zp	Citizen	06/01/97
	Upper South River - S. shore	Zp	Citizen	06/01/97
	Upper South River - S. shore	Zp	Citizen	06/01/97
	Upper South River	Zp	Citizen	06/01/97
	Upper South River - N. shore	Zp	Citizen	06/01/97
	Upper South River - N. shore	Zp	Citizen	06/01/97
	Upper South River - N. shore	Zp	Citizen	06/01/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date
030	Bon Haven	Zp	Citizen	06/01/97
	South Haven	Zp	Citizen	06/01/97
	South Haven	Zp	Citizen	06/01/97
	Porter Point	Zp	Citizen	06/01/97
	Broad Creek	Zp	Citizen	06/01/97
	Broad Creek	Zp	Citizen	06/01/97
	Broad Creek	Zp	Citizen	06/01/97
	Broad Creek	Zp	Citizen	06/01/97
	Broad Creek	Zp	Citizen	06/01/97
	Broad Creek	Zp	Citizen	06/01/97
	NW of Boyd Point	Zp	Citizen	06/01/97
	NW of Boyd Point	Zp	Citizen	06/01/97
	Cape St John	Zp	Citizen	06/01/97
	Cape St John	Zp	Citizen	06/01/97
	Cape St John	Zp	Citizen	06/01/97
	Gingerville Creek	Zp	Citizen	06/01/97
	Gingerville Creek	Zp	Citizen	06/01/97
	Gingerville Creek	Zp	Citizen	06/01/97
	Gingerville Creek	Zp	Citizen	06/01/97
	W. of Shadow Point	Zp	Citizen	06/01/97
	Shadow Point	Zp	Citizen	06/01/97
	E. of Shadow Point	Zp	Citizen	06/01/97
	Church Creek	Zp	Citizen	06/01/97
	Church Creek	Zp	Citizen	06/01/97
	Church Creek	Zp	Citizen	06/01/97
	Church Creek	Zp	Citizen	06/01/97
	Church Creek	Zp	Citizen	06/01/97
	Childs Point	Zp	Citizen	06/01/97
	Crab Creek	Zp	Citizen	06/01/97
	Crab Creek	Zp	Citizen	06/01/97
	Crab Creek	Zp	Citizen	06/01/97
	Crab Creek	Zp	Citizen	06/01/97
	Crab Creek	Zp	Citizen	06/01/97
	F2	Zp	Citizen	06/01/97
	Wild Rose Shores	Zp	Citizen	06/01/97
	H4	Zp	Citizen	07/28/97
	G3	Zp	Citizen	06/01/97
	Aberdeen Creek	Zp	Citizen	06/01/97
	Aberdeen Creek	Zp	Citizen	06/01/97
	NW of Persimmon Point	Zp	Citizen	06/01/97
	Persimmon Point	Rm, Zp	Citizen	06/01/97
	E. of Persimmon Point	Zp	Citizen	07/28/97
	Harness Creek	Zp	Citizen	07/28/97
	Harness Creek	Zp	Citizen	07/28/97
	Harness Creek	Zp	Citizen	06/01/97
	SE Persimmon Point	Zp	Citizen	06/01/97
	NW of Hill Point	Rm, Zp	Citizen	07/28/97

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Quad	1997 Bed	Species*	Surveyor**	Survey Date
030	NW of Hill Point	Zp	Citizen	06/01/97
	North of Hill Point	Zp	Citizen	06/01/97
	Cadle Creek	Rm	Citizen	Summer 97
031	Duvall Creek	Rm	Citizen	08/15/97
	Duvall Creek	Rm	Citizen	08/15/97
	Duvall Creek	Zp	Citizen	06/01/97
	Duvall Creek	Zp	Citizen	06/01/97
	Duvall Creek	Zp	Citizen	06/01/97
	Marshy Point	Rm	Citizen	08/15/97
	Fishing Creek	Zp	Citizen	06/01/97
	Fishing Creek	Zp	Citizen	06/01/97
	Fishing Creek	Zp	Citizen	06/01/97
	Fishing Creek	Zp	Citizen	06/01/97
	Fishing Creek	Zp	Citizen	06/01/97
	Oyster Creek	Zp	Citizen	06/01/97
	Lake Ogleton	Ms, Zp	Citizen	06/01/97
	Lake Ogleton	Ms, Zp	Citizen	06/01/97
	Lake Ogleton	Ms, Zp	Citizen	06/01/97
	Back Creek	Zp	Citizen	06/01/97
	Back Creek	Zp	Citizen	06/01/97
	Spa Creek	Zp	Citizen	06/01/97
	Spa Creek	Zp	Citizen	06/01/97
	Spa Creek	Zp	Citizen	06/01/97
	College Creek	Zp	Citizen	06/01/97
	College Creek	Zp	Citizen	06/01/97
	Horseshoe Point	Zp	Citizen	06/01/97
Ramsay Lake	Rm	Citizen	08/15/97	
032	UA3	Ppf	Citizen	07-08/97
	TA4	Ppf, Rm	Citizen	07-08/97
	TA4	Rm	Citizen	07-08/97
	TA4	Ppf, Rm	Citizen	07-08/97
	OA2	Rm	Citizen	07-08/97
	Cox Creek	Rm	Citizen	07-08/97
	NA2	Ppf, Rm	Citizen	07-08/97
	MA4	Ppf	Citizen	07-08/97
	Cox Creek	Rm	Citizen	07-08/97
	Cox Creek	Rm	Citizen	07-08/97
	Cox Creek	Rm	Citizen	07-08/97
	PA4	Ppf, Rm	Citizen	07-08/97
	Thompson Creek	Rm	Citizen	07-08/97
	SA4	Ppf, Rm	Citizen	07-08/97
	GB4	Rm, Zp	PWRC	07/31/97
	FB2	Rm, Ppc, Zp	PWRC	07/31/97
EB4	Zp	PWRC	07/31/97	
DB3	Rm, Zp	PWRC	07/31/97	

Quad	1997 Bed	Species*	Surveyor**	Survey Date
032	CB4	Rm, Ppc, Zp	PWRC	07/31/97
	ZA4	Rm, Ppc, Zp	PWRC	07/31/97
	YA2	Rm, Zp	PWRC	07/31/97
	XA4	Rm, Zp	PWRC	07/25/97
	WA4	Rm, Ppf	PWRC	07/25/97
	TA4	Rm, Ppf	PWRC	07/25/97
	TA4	Rm, Ppf, Ms	PWRC	07/25/97
	TA4	Rm, Ppf	PWRC	07/25/97
	OA2	Rm, Ppf	PWRC	08/19/97
	NA2	Rm, Ppf	PWRC	08/19/97
	LA3	Rm, Ppf	PWRC	08/19/97
	KA1	Rm	PWRC	08/19/97
	JA4	Rm, Ppc, Zp	PWRC	08/19/97
	JA4	Rm, Ppc	PWRC	08/19/97
	JA4	Rm, Ppc	PWRC	08/19/97
	IA1	Rm	PWRC	08/19/97
	HA3	Rm, Ppc	PWRC	08/19/97
	DA4	Rm, Ppc	PWRC	08/19/97
	FA4	Rm	PWRC	08/19/97
	CA4	Rm, Ppc, Zp	PWRC	08/19/97
	AA4	Rm, Zp	PWRC	08/19/97
	AA4	Rm, Zp	PWRC	08/19/97
	AA4	Rm, Ppc	PWRC	08/19/97
	East of Parson Island	Rm, Ppc	PWRC	08/19/97
	JB1	Rm, Ppc	PWRC	08/19/97
	HB4	Rm, Ppc	PWRC	08/19/97
	Y3	Rm, Ppf	PWRC	08/01/97
	Y3	Rm	PWRC	08/01/97
	X4	Rm, Zp	PWRC	08/01/97
	T4	Rm, Ppf, Ms	PWRC	08/01/97
	S3	Rm, Ppf, Ms	PWRC	08/01/97
	Q4	Rm, Ppf, Ms, Ec	PWRC	08/01/97
	N4	Rm, Ppf, Ms, Ec	PWRC	08/11/97
	N4	Rm, Ppf, Ms	PWRC	08/11/97
	K4	Rm, Ppf, Ms	PWRC	08/11/97
	K4	Ppf, Ms	PWRC	08/11/97
	I4	Rm, Ppf, Ms, Ec	PWRC	08/11/97
	H4	Rm, Ppf, Ms, Ec	PWRC	08/11/97
	BB3	Rm, Ppc, Zp	PWRC	07/31/97
	AB2	Rm, Ppc, Zp	PWRC	07/31/97
	VA1	Rm, Ppf	PWRC	07/25/97
	GA4	Rm, Ppc	PWRC	08/19/97
	EA2	Rm	PWRC	08/19/97
IB2	Rm, Ppc	PWRC	08/19/97	
West of IB2	Rm	MD-DNR	08/15/97	

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Quad	1997 Bed	Species*	Surveyor**	Survey Date
033	ZA2	Rm	PWRC	09/08/97
	XA3	Rm	PWRC	08/17/97
	OA4	Rm	PWRC	08/17/97
	LA4	Rm	PWRC	09/08/97
	JA4	Rm	PWRC	08/17/97
	JA4	Rm	Citizen	Summer 97
	IA2	Rm	Citizen	Summer 97
	IA2	Rm	PWRC	08/01/97
	HA4	Rm	Citizen	Summer 97
	HA4	Rm, Ppc	PWRC	08/01/97
	GA2	Rm	Citizen	Summer 97
	GA2	Rm	PWRC	08/01/97
	FA4	Rm, Ppc, Zp	PWRC	08/01/97
	EA1	Rm	PWRC	08/01/97
	DA3	Rm	PWRC	08/01/97
	CA4	Rm	PWRC	08/01/97
	CA4	Rm	PWRC	08/01/97
	CA4	Ms, Ppf	Citizen	07/09/97
	CA4	Rm	PWRC	08/11/97
	BA2	Rm	PWRC	08/11/97
	BA2	Rm, Zp	Citizen	07/09/97
	AA1	Rm, Zp	Citizen	07/09/97
	Z4	Rm, Ppf, Ppc, Ms, Ec	PWRC	08/11/97
	Z4	Ec, Ms, Ppc, Ppf, Rm, Zp	NAIB	06/21/97
	Y4	Rm, Ppf	PWRC	08/11/97
	Y4	Ms, Ppf, Rm	MD-DNR	08/15/97
	X2	Rm, Ppf	PWRC	08/11/97
	X2	Rm, Ppf, Ms	PWRC	08/11/97
	W3	Rm, Ppf	PWRC	08/11/97
	P4	Ms, Ppf, U	Citizen	07/13/97
	P4	Rm, Ppf, Ms, Ec	PWRC	08/11/97
	P4	Ms, Ppf, U	Citizen	07/13/97
	P4	Rm, Ppf, Ppc, Ms	PWRC	08/11/97
	O4	Ms, Ppf, U	Citizen	07/13/97
	O4	Rm, Ppf, Ms, Ec	PWRC	08/11/97
	N4	Ms, Ppf, U	Citizen	07/13/97
	M1	Ms, Ppf, U	Citizen	07/13/97
	L4	Ms, Ppf, U	Citizen	07/13/97
	N4	Rm, Ppf	PWRC	08/11/97
	M1	Rm, Ppf	PWRC	08/11/97
	L4	Rm, Ppf, Ppc	PWRC	08/11/97
	K4	Ms, Ppf, U	Citizen	07/13/97
	K4	Ppf, Ms, Ec	PWRC	08/13/97
	Stony Bar Bluff	Ms, Ppf, U	Citizen	07/13/97
	Stony Bar Bluff	Ppf	PWRC	08/11/97
	J4	Ms, Ppf, U	Citizen	07/13/97
	J4	Rm, Ppf, Ms, Ec	PWRC	08/11/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date
033	J4	Ms, Ppf, U	Citizen	07/13/97
	J4	Rm, Ms	PWRC	08/11/97
	J4	Rm	MD-DNR	08/15/97
	J4	Rm, Ppf, Ms	PWRC	08/11/97
	J4	Ms, Ppf, U	Citizen	07/13/97
	J4	Rm, Ms, Ec	PWRC	08/11/97
	J4	Ms, Ppf, U	Citizen	07/13/97
	J4	Rm, Ppf, Ms, Ec	PWRC	08/11/97
	J4	Ms, Ppf, U	Citizen	07/13/97
	J4	Ms, Ppf, U	Citizen	07/13/97
	J4	Ppf, Ms, Ec	PWRC	08/11/97
	H2	Rm, Ppf, Ppc, Ms, Ec	PWRC	08/13/97
	H2	Ms, Ppf, U	Citizen	07/13/97
	I4	Ms, Ppf, U	Citizen	07/13/97
	I4	Ms, Ppf, U	Citizen	07/13/97
	G1	Ms, Ppf, U	Citizen	07/13/97
	G1	Rm, Ppf	PWRC	08/13/97
	E3	Ms, Ppf, U	Citizen	07/13/97
	D4	Ms, Ppf, U	Citizen	07/13/97
	D4	Rm, Ms, Ec	PWRC	08/13/97
	E3	Rm, Ppf, Ms, Ec	PWRC	08/13/97
	B4	Rm, Ppf, Ec, N	PWRC	08/07/97
	B4	Ms, Ppf, U	Citizen	07/13/97
	A4	Rm, Ppf, Ms, Ec, N	PWRC	08/07/97
	SA2	Ppc, Rm, Zp	MD-DNR	08/15/97
	TA4	Rm, Ppc	PWRC	08/19/97
	TA4	Ppc, Rm, Zp	MD-DNR	08/15/97
	WA1	Rm, Ppc	PWRC	08/19/97
	WA1	Ppc, Rm, Zp	MD-DNR	08/15/97
	VA2	Rm, Ppc	PWRC	08/19/97
	UA4	Rm	MD-DNR	08/15/97
	SA2	Rm	MD-DNR	08/15/97
	Z4	Rm, Ms, Zp, Ppf	USFWS	06/21/97
	South of Z4	Rm, Ms, Zp, Ppf	USFWS	06/21/97
	Little Queenstown Creek	Ms, Ppc	USFWS	06/28/97
	E3	Ppf, Ec, Rm, Ppc, Ms, Zp	USFWS	06/28/97
	D4	Ms, Zp	USFWS	06/28/97
	B4	Ms, Ppc, Ppf, Rm, Zp	USFWS	06/28/97
	Z4	Ppf, Rm, Ppc, Ms, Zp, Ec	USFWS	06/21/97
	Z4	Ppf, Ms, Rm, Ppc	USFWS	06/21/97
	South of Z4	Zp, Ms	USFWS	06/21/97
	Z4	Rm, Ms, Zp, Ppf, Ppc	USFWS	06/21/97
	South of Z4	Rm, Ms, Zp, Ppf	USFWS	06/21/97
	East of TA4	Rm, Ppc, Zp	MD-DNR	08/15/97
	Y4	Rm, Ppf, Ms	MD-DNR	08/07/97
	Z4	Rm, Ppf, Ms	MD-DNR	08/07/97
	East of TA4	Rm	MD-DNR	08/15/97

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
034	East of TA4	Rm, Ppc, Zp	MD-DNR	08/15/97
	UA4	Rm, Ppc	PWRC	08/19/97
	JA3	Cd, Hv	Citizen	08/26/97
	A4	Hv, Va	Citizen	08/26/97
	D3	Hv, Ms, Va	Citizen	08/26/97
	D3	Hv, Va	Citizen	08/26/97
	E4	Ms, Va	Citizen	08/26/97
	North of Rosier Bluff	Ms, Va	Citizen	08/26/97
	F4	Hv, Va	Citizen	08/26/97
	J1	Hv	Citizen	08/26/97
	B3	Va, Hv	USGS	09/11/97
	C1	Va, Ms, Hv	USGS	09/11/97
	D3	Va, Hv	USGS	09/11/97
	D3	Va, Hd	USGS	09/11/97
	D3	Va, Hd	USGS	09/11/97
	D3	Va	USGS	09/11/97
	E4	Va, Hd, Hv	USGS	09/11/97
	E4	Hv, Va	USGS	09/11/97
	North of E4	Hv	USGS	09/11/97
	North of E4	Hv	USGS	09/11/97
	South of F4	Hv, Va	USGS	09/11/97
	F4	Hv, Nm, Va	USGS	09/11/97
	North of F4	Hv, Ppc, Va	USGS	09/24/97
	J1	Hv, Cd	USGS	09/24/97
	H4	Hv	USGS	09/24/97
	H4	Hv	USGS	09/24/97
	H4	Hv, Va, Ppc	USGS	09/24/97
	H4	Hv	USGS	09/24/97
	I4	Hv	USGS	09/24/97
	L4	Ms	USGS	09/24/97
	North of M1	Hv, Nm	USGS	09/24/97
	US Navy Research Lab	Hv	USGS	09/24/97
	N. of Navy Research Lab	Nm	USGS	09/24/97
	N4	Va	USGS	09/24/97
	North of N4	Va, Ms	USGS	09/24/97
	O3	Va	USGS	09/24/97
	North of O3	Va	USGS	09/24/97
	Anacostia River	Va	USGS	09/24/97
	Anacostia River	Va	USGS	09/24/97
	South of Q3	Hv	USGS	09/24/97
	Anacostia River	Va	USGS	09/24/97
	S4	Va, Hv	USGS	09/24/97
	T2	Va	USGS	09/24/97
	U3	Va	USGS	09/24/97
	U3	Va	USGS	09/24/97
	U3	Va, Ms	USGS	09/24/97
	JA3	Hv	USGS	09/12/97



Quad	1997 Bed	Species*	Surveyor**	Survey Date	
034	HA4	Hv	USGS	09/12/97	
	GA4	Hv	USGS	09/12/97	
	E. of Hunting Creek	Hv	USGS	09/12/97	
	E. of Hunting Creek	Hv	USGS	09/12/97	
	E. of Hunting Creek	Hv, Pcr	USGS	09/12/97	
	J1	Hv, Cd, Nm	USGS	09/24/97	
	J1	Hv, Cd, Nm	USGS	09/24/97	
	J1	Hv, Cd, Nm	USGS	09/24/97	
	West of Goose Island	Hv	USGS	09/24/97	
	West of Goose Island	Hv	USGS	09/24/97	
	FA3	Nm, Hv	USGS	09/24/97	
	EA3	Hv	USGS	09/24/97	
	North of EA2	Va	USGS	09/24/97	
	South of DA2	Va	USGS	09/24/97	
	DA2	Va, Hv, Nm	USGS	09/24/97	
	Dangerfield Island	Va	USGS	09/24/97	
	CA4	Hv, Va	USGS	09/24/97	
	BA4	Hv, Va	USGS	09/24/97	
	AA2	Hv	USGS	09/24/97	
	AA2	Hv	USGS	09/24/97	
	Z4	Hv	USGS	09/24/97	
	Y4	Hv	USGS	09/24/97	
	X4	Hv	USGS	09/24/97	
	South of X4	Hv	USGS	09/24/97	
	South of X4	Hv, Nm, Va	USGS	09/24/97	
	X4	Hv, Nm, Va	USGS	09/24/97	
	W4	Hv	USGS	09/24/97	
	North of Gravelly Point	Hv	USGS	09/24/97	
	NE of Gravelly Point	Va	USGS	09/24/97	
	036	CA4	Rm	Citizen	07/26/97
		CA4	Rm	Citizen	07/26/97
		DA4	Rm	Citizen	07/26/97
		EA4	Rm	Citizen	07/26/97
CA4		Rm	Citizen	07/26/97	
SA4		Rm, Zp	PWRC	07/31/97	
BB1		Rm	PWRC	07/31/97	
ZA4		Rm, Ppc, Zp	PWRC	07/31/97	
NA1		Rm	PWRC	08/21/97	
MA4		Rm	PWRC	08/21/97	
MA4		Rm	PWRC	08/21/97	
JA4		Rm	PWRC	08/21/97	
JA4		Rm	PWRC	08/21/97	
JA4		Rm, Zp	PWRC	08/21/97	
HA4		Rm	PWRC	08/21/97	
GA4		Rm	PWRC	08/21/97	
FA2		Rm, Ppc, Zp	PWRC	08/21/97	

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
036	KA4	Rm, Zp	PWRC	08/21/97
	LA1	Rm, Zp	PWRC	08/21/97
	Z4	Rm	PWRC	09/23/97
	X4	Rm	PWRC	09/23/97
	X4	Rm	PWRC	09/23/97
	X4	Rm	PWRC	09/23/97
	X4	Rm	PWRC	09/23/97
	W4	Rm	PWRC	09/23/97
	V2	Rm	PWRC	09/23/97
	U4	Rm	PWRC	09/23/97
	T4	Rm	PWRC	09/23/97
	P4	Rm	PWRC	09/23/97
	O1	Rm	PWRC	09/23/97
	N2	Rm	PWRC	09/23/97
	M4	Rm	PWRC	09/23/97
	L2	Rm	PWRC	09/23/97
	Waterhole Creek	Rm	PWRC	09/23/97
	C4	Rm	PWRC	09/23/97
	E4	Rm	PWRC	09/16/97
	F4	Rm	PWRC	09/15/97
	G4	Rm	PWRC	09/15/97
	H4	Rm	PWRC	09/15/97
	I4	Rm	PWRC	09/15/97
	I4	Rm	PWRC	09/15/97
	J4	Rm	PWRC	09/15/97
	K4	Rm	PWRC	09/15/97
	CA4	Rm	PWRC	09/15/97
	CA4	Rm	PWRC	09/15/97
	CA4	Rm	PWRC	09/15/97
	CA4	Rm	PWRC	09/15/97
	DA4	Rm	PWRC	09/26/97
	EA4	Rm	PWRC	09/26/97
	EA4	Rm	PWRC	09/26/97
	YA1	Rm, Ppc, Zp	PWRC	07/31/97
CB3	Rm	PWRC	07/31/97	
Sherwood Pier	Rm	USFWS	02/26/97	
037	IB4	Rm	Citizen	08/03/97
	C2	Rm	PWRC	08/17/97
	D4	Rm	PWRC	08/29/97
	F4	Rm	PWRC	08/17/97
	H4	Rm	PWRC	08/17/97
	J3	Rm	PWRC	08/17/97
	N3	Rm, Ms	PWRC	08/12/97
	O3	Rm	PWRC	08/28/97
	O3	Rm	PWRC	08/28/97
	O3	Rm	PWRC	08/28/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date
037	P1	Rm	PWRC	08/28/97
	S4	Rm	PWRC	08/12/97
	U4	Rm	PWRC	08/12/97
	W3	Rm	PWRC	08/12/97
	X1	Rm	PWRC	08/12/97
	Z4	Rm	PWRC	08/12/97
	AA2	Rm	PWRC	08/28/97
	DA2	Rm	PWRC	08/28/97
	DA2	Rm	PWRC	08/28/97
	GA2	Rm	PWRC	08/28/97
	FA4	Rm, Ppf	PWRC	08/28/97
	HA2	Rm	PWRC	08/28/97
	JA2	Rm	PWRC	08/28/97
	LA4	Rm, Zp	PWRC	08/28/97
	NA4	Rm	PWRC	08/28/97
	OA3	Rm	PWRC	08/12/97
	OA3	Rm	PWRC	08/12/97
	PA4	Rm, Zp	PWRC	08/12/97
	RA1	Rm, Zp	PWRC	08/12/97
	SA3	Rm	PWRC	08/12/97
	Spencer Creek	Rm	PWRC	08/12/97
	TA3	Rm	PWRC	08/12/97
	WA1	Rm, Zm	PWRC	08/28/97
	ZA3	Rm, Zm	PWRC	08/28/97
	AB1	Rm, Zm	PWRC	08/21/97
	CB4	Rm	PWRC	08/21/97
	DB4	Rm, Ppc, Zp	PWRC	08/21/97
	FB4	Rm	PWRC	09/26/97
	HB4	Rm	PWRC	09/26/97
	HB4	Rm	PWRC	09/26/97
	IB4	Rm	PWRC	09/26/97
	KB4	Rm	PWRC	09/15/97
	LB4	Rm	PWRC	09/15/97
	LB4	Rm	PWRC	09/26/97
	LB4	Rm	PWRC	09/26/97
	LB4	Rm	PWRC	09/26/97
	LB4	Rm	PWRC	09/26/97
	LB4	Rm	PWRC	09/26/97
	LB4	Rm	PWRC	09/26/97
	LB4	Rm	PWRC	09/26/97
	LB4	Rm	PWRC	09/26/97
	LB4	Rm	PWRC	09/26/97
	QA4	Rm	PWRC	09/26/97
	QA4	Rm	PWRC	09/26/97
	NB4	Rm	PWRC	10/02/97
	MB4	Rm	PWRC	10/02/97
	NB4	Rm, Zp	PWRC	08/12/97

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
039	L4	Cd, Hv, N	Citizen	07/27/97
	L4	Cd, Hv, N	Citizen	07/27/97
	M4	Ms, Hv, Va	Citizen	07/27/97
	F4	Hv, Ms, N, Va	Citizen	08/17/97
	K4	Hv, Ms, N, Va	Citizen	09/06/97
	I2	Va	Citizen	09/06/97
	H4	Cd, Hv, Ms, N, Va	Citizen	09/06/97
	G2	N, Va	Citizen	09/06/97
	O4	Va	Citizen	09/06/97
	M4	Ms, Va	Citizen	09/06/97
	South of G2	Va	USGS	09/17/97
	East of G2	Hv, Va, Nm, Ms, Ppu	USGS	09/17/97
	H4	Hv, Nm, Va	USGS	09/17/97
	H4	Nm, Va, Ppu, Ppc, Cd, Ms	USGS	09/17/97
	I2	Nm, Hv, Cd	USGS	09/17/97
	West of H4	Va	USGS	09/17/97
	I2	Va, Nm	USGS	09/17/97
	J3	Nm, Va, Hv	USGS	09/17/97
	J3	Va, Nm, Hv	USGS	09/17/97
	J3	Va, Hv, Nm	USGS	09/17/97
	J3	Va, Hv, Nm	USGS	09/17/97
	K4	Va, Ms	USGS	09/17/97
	K4	Ms, Va	USGS	09/17/97
	K4	Hv, Va	USGS	09/17/97
	K4	Va, Hv, Nm, Ms	USGS	09/17/97
	K4	Va, Ms, Hv	USGS	09/17/97
	K4	Va, Ms, Hv	USGS	09/17/97
	K4	Va	USGS	09/17/97
	K4	Va, Ms, Hv	USGS	09/17/97
	K4	Va, Hv	USGS	09/17/97
	K4	Va, Ms	USGS	09/17/97
	K4	Hv, Va	USGS	09/17/97
	K4	Va, Hv	USGS	09/17/97
	O4	Va, Hv	USGS	09/17/97
	M4	Hv, Va	USGS	09/17/97
	O4	Va	USGS	09/17/97
	M4	Va, Ms, Hv, Nm	USGS	09/17/97
	M4	Hv, Va, Ms, Nm, Cd	USGS	09/17/97
	L4	Hv, Cd, Nm	USGS	09/19/97
	L4	Hv	USGS	09/19/97
	L4	Hv	USGS	09/19/97
	L4	Hv, Cd, Nm	USGS	09/19/97
	Pohick	Hv	USGS	09/17/97
	South of Pohick	Cd, Va, Hv	USGS	09/17/97
	F4	Hv, Nm, Ms	USGS	09/17/97
	F4	Hv, Va, Ms	USGS	09/17/97
	F4	Hv, Nm, Ms	USGS	09/17/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date
039	South of A4	Va	USGS	09/17/97
	A4	Hv, Nm, Ms	USGS	09/17/97
	A4	Hv, Nm, Ms	USGS	09/17/97
	East of A4	Hv, Nm, Ms	USGS	09/17/97
	East of B4	Nm, Hv, Va	USGS	09/17/97
	E2	Hv, Va	USGS	09/17/97
	P4	Va	USGS	09/19/97
	North of P4	Hv	USGS	09/19/97
	D1	Hv, Nm, Va, Ms	USGS	07/31/97
040	G4	Va	Citizen	07/26/97
	F2	Va	Citizen	07/26/97
	D4	Cd, Hv, N, Nm	Citizen	07/26/97
	C4	Cd, Hv, N	Citizen	07/26/97
	A4	Cd, Hv, N	Citizen	07/26/97
	B4	Cd, Hv	Citizen	08/26/97
	M4	Hv	Citizen	08/26/97
	M4	Cd, Hv, N	Citizen	08/26/97
	N4	Hv	Citizen	08/26/97
	O4	Va	Citizen	08/26/97
	Q4	Hv, N, Va	Citizen	08/26/97
	R2	Hv, Va	Citizen	08/26/97
	S4	Hv	Citizen	08/26/97
	S4	Hv, N	Citizen	08/26/97
	Z4	Cd, Ec, Hv, Va	Citizen	10/13/97
	Z4	Cd, Ec, Hv, Va	Citizen	10/13/97
	D4	Hv, Va, Cd	USGS	09/19/97
	A4	Va, Hv, Cd	USGS	09/19/97
	B4	Hv, Cd	USGS	09/19/97
	C4	Hv, Cd	USGS	09/19/97
	E1	Va, Hv, Cd	USGS	09/19/97
	F2	Va, Cd, Hv	USGS	09/19/97
	F2	Va, Hv	USGS	09/19/97
	F2	Va, Hv	USGS	09/19/97
	F2	Va, Hv, Cd	USGS	09/19/97
	F2	Va, Hv, Cd	USGS	09/19/97
	G4	Va, Hv, Cd	USGS	09/19/97
	G4	Va, Hv, Cd	USGS	09/19/97
	G4	Hv, Va	USGS	09/19/97
	G4	Hv, Va	USGS	09/19/97
	G4	Hv, Va	USGS	09/19/97
	E1	Va	USGS	09/19/97
G4	Va, Hv	USGS	09/19/97	
H2	Va, Hv, Cd	USGS	09/19/97	
H2	Va	USGS	09/19/97	
H2	Va, Hv, Nm	USGS	09/19/97	
H2	Va, Hv, Cd	USGS	09/19/97	

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040	I4	Hv, Nm, Va, Hd	USGS	09/19/97
	J3	Va, Hv, Nm	USGS	09/19/97
	J3	Va, Hv	USGS	09/19/97
	J3	Va, Hv	USGS	09/19/97
	J3	Va, Hv, Hd	USGS	09/19/97
	K4	Nm, Hv, Va, Hd	USGS	09/19/97
	L2	Va, Hv, Nm	USGS	09/19/97
	South of L2	Hv, Cd	USGS	09/11/97
	M4	Hv, Nm	USGS	09/11/97
	North of M4	Hv, Nm	USGS	09/11/97
	M4	Hv, Nm	USGS	09/11/97
	North of M4	Hv	USGS	09/11/97
	M4	Hv	USGS	09/11/97
	M4	Hv	USGS	09/11/97
	M4	Hv	USGS	09/11/97
	North of M4	Hv, Nm	USGS	09/11/97
	M4	Hv, Nm	USGS	09/11/97
	East of N4	Hv, Nm, Cd	USGS	09/11/97
	M4	Hv, Cd, Nm	USGS	09/11/97
	South of N4	Hv, Va, Cd	USGS	09/11/97
	N4	Hv, Va, Cd	USGS	09/11/97
	N4	Va, Hd	USGS	09/11/97
	N4	Va	USGS	09/11/97
	O4	Va, Hd	USGS	09/11/97
	O4	Va, Hd	USGS	09/11/97
	P4	Nm, Hv	USGS	09/11/97
	Q4	Nm, Hv	USGS	09/11/97
	Q4	Va	USGS	09/11/97
	Q4	Va, Hd	USGS	09/11/97
	Q4	Va	USGS	09/11/97
	R2	Hv, Va, Nm, Hd, Cd	USGS	09/11/97
	S4	Hv, Nm, Cd	USGS	09/11/97
	T1	Hv	USGS	09/12/97
	T1	Va, Hv, Hd	USGS	09/12/97
	T1	Va	USGS	09/12/97
	U4	Va, Nm, Hv, Ppc	USGS	09/12/97
	V2	Va, Hv	USGS	09/12/97
	V2	Va, Hv	USGS	09/12/97
	V2	Va, Hv	USGS	09/12/97
	V2	Va, Ppc, Hd, Hv	USGS	09/12/97
	V2	Va, Ppc, Hd, Hv	USGS	09/12/97
	V2	Va, Hv	USGS	09/12/97
	Sheridan Point	Ms, Hd, Hv	USGS	09/12/97
	Y2	Va	USGS	09/12/97
	Z4	Hv, Nm, Hd	USGS	09/19/97
	Z4	Va, Hv, Nm	USGS	09/19/97
	Z4	Va	USGS	09/19/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date	
041	Mataponi Creek	Cd, Ec, Hv, Nm, Per	PRP	08/07/97	
	Mataponi Creek	Cd, Hv, Nm	PRP	08/07/97	
	Hall Creek	Cd, Ngu, Nm, Va	PRP	08/07/97	
	Cocktown Creek	Cd, Ec, Per, Va	SMS	10/30/97	
	I4	N, Hv	MD-DNR	08/28/97	
	I4	N, Hv	MD-DNR	08/28/97	
	Jones Point	N, Cd	MD-DNR	08/28/97	
	South of M2	Hv, N	MD-DNR	08/28/97	
	North of Swamp Creek	N	MD-DNR	08/28/97	
	C4	N	MD-DNR	08/28/97	
	D4	N	MD-DNR	08/28/97	
	D4	Nm, Hv	MD-DNR	08/28/97	
	042	A3	Rm	EPA	08/14/97
	043	Q2	U	Citizen	Summer 97
V4		U	Citizen	Summer 97	
CA4		Rm	PWRC	09/15/97	
BA4		Rm	PWRC	09/15/97	
AA4		Rm	PWRC	09/15/97	
Z4		Rm	PWRC	09/15/97	
Y4		Rm	PWRC	09/15/97	
X4		Rm	PWRC	09/15/97	
V4		Rm	PWRC	09/15/97	
V4		Rm	PWRC	09/15/97	
S3		Rm	PWRC	09/15/97	
Q2		Rm	PWRC	09/15/97	
Q2		Rm	PWRC	09/15/97	
P3		Rm	PWRC	09/15/97	
N4		Rm	PWRC	09/16/97	
M2		Rm	PWRC	09/16/97	
L4		Rm	PWRC	09/16/97	
L4		Rm	PWRC	09/16/97	
L4		Rm	PWRC	09/16/97	
K4		Rm	PWRC	09/23/97	
J2		Rm	PWRC	09/23/97	
I1		Rm	PWRC	09/23/97	
H3		Rm	PWRC	10/02/97	
H3		Rm	PWRC	10/02/97	
H3		Rm	PWRC	10/02/97	
G2		Rm	PWRC	10/02/97	
F2		Rm	PWRC	10/02/97	
C4	Rm	PWRC	09/16/97		
A4	Rm	PWRC	09/16/97		
East of A4	Rm	USFWS	02/26/97		

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
044	K4	Ppc, Zp	Citizen	09/19/97
	PB1	Rm	PWRC	09/24/97
	OB2	Rm	PWRC	09/24/97
	NB3	Rm	PWRC	09/24/97
	MB3	Rm	PWRC	09/24/97
	KB3	Rm	PWRC	09/24/97
	KB3	Rm	PWRC	09/24/97
	HB4	Rm	PWRC	09/24/97
	HB4	Rm	PWRC	09/24/97
	GB4	Rm	PWRC	09/24/97
	EB4	Rm	PWRC	09/24/97
	DB4	Rm	PWRC	09/24/97
	BB4	Rm	PWRC	09/17/97
	BB4	Rm	PWRC	09/17/97
	ZA4	Rm	PWRC	09/17/97
	VA4	Rm	PWRC	09/17/97
	TA4	Rm	PWRC	09/17/97
	SA4	Rm	PWRC	09/17/97
	SA4	Rm	PWRC	09/17/97
	SA4	Rm	PWRC	09/17/97
	RA4	Rm	PWRC	09/17/97
	RA4	Rm	PWRC	09/17/97
	PA4	Rm	PWRC	09/17/97
	NA4	Rm	PWRC	09/17/97
	MA4	Rm	PWRC	09/17/97
	HA4	Rm	PWRC	09/17/97
	HA4	Rm	PWRC	09/17/97
	GA4	Rm	PWRC	09/17/97
	FA3	Rm	PWRC	09/17/97
	EA1	Rm	PWRC	09/17/97
	BA4	Rm	PWRC	09/17/97
	X1	Rm	PWRC	09/17/97
	T4	Rm	PWRC	09/17/97
	V4	Rm	PWRC	09/17/97
	W3	Rm	PWRC	09/17/97
	R4	Rm	PWRC	09/17/97
	R4	Rm	PWRC	09/17/97
	S1	Rm	PWRC	09/17/97
	Q2	Rm	PWRC	09/17/97
	Q2	Rm	PWRC	09/17/97
	Q2	Rm	PWRC	10/02/97
	P4	Rm	PWRC	10/02/97
	P4	Rm	PWRC	10/02/97
	M4	Rm	PWRC	10/02/97
	M4	Rm	PWRC	10/02/97
	M4	Rm	PWRC	10/02/97
	L2	Rm	PWRC	10/02/97



Quad	1997 Bed	Species*	Surveyor**	Survey Date
044	H4	Rm	PWRC	10/02/97
	H4	Rm	PWRC	10/02/97
	G4	Rm	PWRC	10/02/97
	F4	Rm	PWRC	10/02/97
	F4	Rm	PWRC	10/02/97
	F4	Rm	PWRC	10/02/97
	D4	Rm	PWRC	10/02/97
	C4	Rm	PWRC	09/26/97
	B4	Rm	PWRC	09/26/97
	A4	Rm	PWRC	09/15/97
	ZA4	U	Citizen	07/29/97
	AB2	U	Citizen	07/29/97
	BB4	U	Citizen	07/29/97
	045	B4	Rm	PWRC
C4		Rm	PWRC	09/24/97
D4		Rm	PWRC	09/24/97
G4		Rm	PWRC	09/17/97
H4		Rm	PWRC	09/17/97
J4		Rm	PWRC	09/17/97
J4		Rm	PWRC	09/17/97
046	Hunting Creek	Zp	Citizen	06/23/97
	Choptank River	Zp	Citizen	06/23/97
047	Goose Bay	Hv, Va	Citizen	08/09/97
	South of Goose Bay	Hv, Va	Citizen	08/09/97
	B4	Hv, Ms	Citizen	08/09/97
	M4	Hv	USGS	10/02/97
	I4	Hv, Nm	USGS	10/03/97
	I4	Hv, Nm	USGS	10/03/97
	I4	Hv, Nm	USGS	10/03/97
	South of I4	Hv, Nm	USGS	10/03/97
	South of I4	Hv, Nm	USGS	10/03/97
	H3	Hv, Nm, Va	USGS	10/03/97
	J4	Hv	USGS	10/03/97
	J4	Hv	USGS	10/03/97
	H3	Hv	USGS	10/03/97
	H3	Hv	USGS	10/03/97
	K4	Hv	USGS	10/03/97
	G4	Hv	USGS	10/03/97
	F4	Va	USGS	10/03/97
	South of K4	Hv	USGS	10/03/97
	D4	Hv	USGS	10/03/97
	D4	Hv	USGS	10/03/97
	B4	Hv	USGS	10/03/97
B4	Hv	USGS	10/03/97	

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
047	C4	Hv	USGS	10/03/97
	B4	Hv, Cd, Nm	USGS	10/03/97
	B4	Hv, Cd, Nm	USGS	10/03/97
	A4	Hv, Nm	USGS	10/03/97
	A4	Hv, Nm	USGS	10/03/97
	A4	Hv, Nm	USGS	10/03/97
	A4	Hv, Nm	USGS	10/03/97
	A4	Hv, Nm	USGS	10/03/97
	A4	Hv, Nm	USGS	10/03/97
	A4	Hv, Nm, Cd	USGS	10/03/97
048	B4	Hv, N	Citizen	08/09/97
	A4	Hv, N	Citizen	08/09/97
	Poseys Wharf	Hv, N	Citizen	08/09/97
	L4	Cd, Hv, Nm, Va	FOMC	08/16/97
	K4	Va	FOMC	08/16/97
	North Chapman Point	Va	FOMC	09/07/97
	S. Chapman Point	Va	FOMC	09/07/97
	Mattawoman Creek	Va	FOMC	08/16/97
	Mattawoman Creek	Cd, Hv, Nm	FOMC	08/16/97
	Mattawoman Creek	Hv, Ms	FOMC	08/16/97
	Mattawoman Creek	Cd, Hv, Nm, Va	FOMC	08/16/97
	West of Poseys Warf	Hv, Va	USGS	09/05/97
	East of Poseys Warf	Hv	USGS	09/05/97
	A4	Hv	USGS	09/05/97
	A4	Hv, Nm	USGS	09/05/97
	A4	Hv, Nm	USGS	09/05/97
	A4	Hv, Nm	USGS	09/05/97
	A4	Hv, Nm	USGS	09/05/97
	A4	Hv, Nm	USGS	09/05/97
	A4	Hv, Nm	USGS	09/05/97
	B4	Hv, Nm	USGS	09/05/97
	A4	Hv, Nm	USGS	09/05/97
	C4	Nm, Hv	USGS	10/01/97
	C4	Nm, Hv	USGS	10/01/97
	D4	Hv, Nm	USGS	10/01/97
	E4	Hv, Nm	USGS	10/01/97
	E4	Va	USGS	10/01/97
	E4	Va	USGS	10/01/97
	F2	Va	USGS	10/01/97
	F2	Hv, Va	USGS	10/01/97
	F2	Hv, Nm, Va	USGS	10/01/97
	H4	Hv, Nm, Ms	USGS	10/01/97
	North of H4	Hv	USGS	10/01/97
	I4	Hv, Nm	USGS	10/01/97
M4	Hv	USGS	10/01/97	
West of J4	Hv	USGS	10/01/97	
South of L4	Hv	USGS	10/01/97	

Quad	1997 Bed	Species*	Surveyor**	Survey Date
048	North of L4	Hv, Va, Nm, Cd	USGS	09/19/97
	L4	Hv, Va, Nm, Cd	USGS	09/19/97
	K4	Hv, Va, Nm, Cd	USGS	09/19/97
	South of L4	Hv	USGS	09/19/97
	South of L4	Hv	USGS	09/19/97
	L4	Va, Hv	USGS	09/19/97
	North of N4	Hv, Va	USGS	09/19/97
	O4	Hv, Va	USGS	09/19/97
	South of Q4	Hv, Nm	USGS	09/19/97
	East of R3	Hv, Nm, Cd	USGS	09/19/97
	S4	Hv, Nm, Cd	USGS	09/19/97
	Q4	Hv, Nm, Cd	USGS	09/19/97
	R3	Hv	USGS	09/19/97
	R3	Hv	USGS	09/19/97
	R3	Va	USGS	09/19/97
	U4	Hv, Nm	USGS	09/19/97
	V4	Hv, Nm, Va	USGS	09/19/97
	V4	Hv, Nm	USGS	09/19/97
	Indian Head Powder Factory	Ms	USGS	09/19/97
	East of Indian Head	Ms	USGS	09/19/97
	Riverview Village	Cd	USGS	09/19/97
	X2	Va, Hv, Hd, Ms, Nm	USGS	09/19/97
	North of Potomac Heights	Va	USGS	09/19/97
North of Potomac Heights	Va	USGS	09/19/97	
051	V4	U	Citizen	09/19/97
	U2	U	Citizen	09/19/97
	T2	U	Citizen	09/19/97
	FA4	Rm	PWRC	10/03/97
	IA4	Rm	PWRC	10/03/97
052	WA3	Zp	Citizen	08/15/97
	YA4	Zp	Citizen	08/15/97
	XA4	Zp	Citizen	08/15/97
	KB1	Zp	Citizen	08/15/97
	UB4	Rm	PWRC	10/03/97
	PB3	Rm	PWRC	10/03/97
	SB1	Rm	PWRC	10/03/97
	TB2	Rm	PWRC	10/03/97
053	Highlys Beach	Zp	Citizen	Summer 97
	West of Chancellor Point	Zp	Citizen	Summer 97
	East of Highlys Beach	Zp	Citizen	Summer 97
	East of Highlys Beach	Zp	Citizen	Summer 97
	Choptank River	Zp	Citizen	Summer 97
	Choptank River	Zp	Citizen	Summer 97

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
055	A2	Hv, Ms, Va	Citizen	08/09/97
	Sandy Point	Hv, Ms, Va	Citizen	08/09/97
	B4	Hv, Ms	Citizen	08/09/97
	North of Willow Landing	Hv	USGS	09/08/97
	O2	Hv	USGS	09/08/97
	East of Willow Landing	Hv	USGS	09/08/97
	East of Willow Landing	Hv	USGS	09/08/97
	East of Willow Landing	Hv	USGS	09/08/97
	East of Willow Landing	Hv	USGS	09/08/97
	East of Willow Landing	Hv	USGS	09/08/97
	N3	Hv	USGS	09/08/97
	M4	Hv	USGS	10/03/97
	M4	Hv	USGS	10/03/97
	M4	Hv	USGS	10/03/97
	Bennetts Point	Hv	USGS	10/03/97
	L3	Hv, Ms	USGS	10/03/97
	J2	Hv	USGS	09/08/97
	J2	Hv, Ms	USGS	09/08/97
	K4	Hv	USGS	10/03/97
	I4	Nm, Hv, Cd	USGS	09/08/97
	I4	Nm, Hv	USGS	09/08/97
	F4	Hv	USGS	09/08/97
	F4	Ms, Hv	USGS	09/08/97
	E3	Ms	USGS	09/08/97
	E3	Ms	USGS	09/08/97
	G4	Hv	USGS	10/03/97
	R2	Ms	USGS	10/03/97
	North of R2	Ms, Nm	USGS	10/03/97
	South of P3	Hv, Nm	USGS	10/03/97
	P3	Hv, Ms, Nm	USGS	10/03/97
	P3	Hv, Va	USGS	10/03/97
	P3	Hv	USGS	10/03/97
	North of Thomas Point	Ms	USGS	09/05/97
	North of Thomas Point	Cd, Hv, Va	USGS	09/05/97
	Clifton Beach	Va	USGS	09/05/97
	D4	Va, Ms, Hv	USGS	09/05/97
	D4	Ms	USGS	09/05/97
	D4	Va, Ms	USGS	09/05/97
	D4	Ms, Nm, Va, Cd	USGS	09/05/97
	D4	Ms, Nm, Va, Cd	USGS	09/05/97
	D4	Va, Ms, Hv, Hd	USGS	09/05/97
	D4	Ms, Va, Hv	USGS	09/05/97
	D4	Va, Ms	USGS	09/05/97
	D4	Va	USGS	09/05/97
	C2	Va, Hv	USGS	09/05/97
	C2	Hv	USGS	09/05/97
	B4	Hv, Nm	USGS	09/05/97

<b>Quad</b>	<b>1997 Bed</b>	<b>Species*</b>	<b>Surveyor**</b>	<b>Survey Date</b>
055	B4	Hv	USGS	09/05/97
	North of B4	Va	USGS	09/05/97
	South of A2	Va	USGS	09/05/97
056	A4	Va	USGS	10/06/97
	B2	Va	USGS	10/06/97
	B2	Va	USGS	10/06/97
	B2	Va	USGS	10/06/97
	B2	Va	USGS	10/06/97
	D2	Va	USGS	10/06/97
	D2	Va	USGS	10/06/97
	E3	Va	USGS	10/06/97
	F2	Va	USGS	10/06/97
	G2	Ms, Va, Cd	USGS	10/06/97
	G2	Ms, Va, Cd	USGS	10/06/97
	H4	Ms, Va, Cd	USGS	10/06/97
	K4	Va, Ms, Cd	USGS	10/06/97
	L2	Va, Ms, Cd	USGS	10/06/97
	M4	Va, Ms, Cd	USGS	10/06/97
	O2	Va, Ms, Cd	USGS	10/06/97
	P3	Va, Ms, Cd	USGS	10/06/97
	P3	Va, Ms, Cd	USGS	10/06/97
	P3	Va, Ms, Cd	USGS	10/06/97
	P3	Ms	USGS	10/06/97
	EA3	Ms, Va, Cd	USGS	10/06/97
	EA3	Ms	USGS	10/06/97
	GA4	Ed, Ms, Cd	USGS	10/06/97
	GA4	Va	USGS	10/06/97
	GA4	Va	USGS	10/06/97
	GA4	Ms, Va	USGS	10/06/97
	HA1	Ms, Va	USGS	10/06/97
	GA4	Ms, Va, Cd	USGS	10/06/97
	P3	Va, Ms, Cd	USFWS	10/06/97
	B2	Va	USFWS	10/06/97
	B2	Va	USFWS	10/06/97
	GA4	Va, Ms, Cd	USFWS	10/06/97
	GA4	Va, Ms	USFWS	10/06/97
	GA4	Ms, Ec	USFWS	10/06/97
	EA3	Ms, Cd	USFWS	10/06/97
	A4	Va	USFWS	10/06/97
P3	Va, Ms	USFWS	10/06/97	
O2	Va, Ms, Cd	USFWS	10/06/97	
M4	Va, Ms	USFWS	10/06/97	
B2	Va	USFWS	10/06/97	
C1	Va	USFWS	10/06/97	
E3	Va	USFWS	10/06/97	
L2	Va, Ms	USFWS	10/06/97	

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
057	M3	Ppc, Ppf, Va	Citizen	08/16/97
	O4	Hv, Ms, Va	Citizen	08/16/97
	O4	Ppf, Va	Citizen	08/16/97
	T2	Va	Citizen	08/16/97
	U2	Va	Citizen	08/16/97
	W3	Va	Citizen	08/16/97
	G4	Ms, Va	USGS	10/06/97
	G4	Va, Ms	USGS	10/06/97
	G4	Ms, Va	USGS	10/06/97
	G4	Va, Ms	USGS	10/06/97
	G4	Va, Ms	USGS	10/06/97
	G4	Va, Ms	USGS	10/06/97
	G4	Va, Ms	USGS	10/06/97
	G4	Va, Ms	USGS	10/06/97
	F4	Va, Ppc	USGS	10/06/97
	F4	Va, Ppf	USGS	10/06/97
	F4	Va, Ppf	USGS	10/06/97
	F4	Va	USGS	10/06/97
	E4	Va	USGS	10/06/97
	E4	Va, Ppc	USGS	10/06/97
	E4	Ppc, Va	USGS	10/06/97
	E4	Va, Ppc, Ppf	USGS	10/06/97
	E4	Va, Ppc, Ppf	USGS	10/06/97
	E4	Va, Ppf, Ppc	USGS	10/06/97
	E4	Va, Ms, Ppc, Ppf	USGS	10/06/97
	D2	Va	USGS	10/06/97
	D2	Va	USGS	10/06/97
	A2	Va	USGS	10/06/97
	A2	Va	USGS	10/06/97
	B4	Va	USGS	10/06/97
	B4	Va, Ppf	USGS	10/06/97
	B4	Va, Ppf	USGS	10/06/97
	C2	Va, Ppf	USGS	10/06/97
	OA2	Va, Ms	USGS	10/06/97
	MA2	Va, Ms	USGS	10/06/97
	KA2	Ms, Cd, Va	USGS	10/06/97
	KA2	Va, Ms	USGS	10/06/97
	JA4	Va, Ms	USGS	10/06/97
	HA4	Va, Ms, Cd	USGS	10/06/97
	CA4	Ms, Va, Cd	USGS	10/06/97
	CA4	Ms, Va, Cd	USGS	10/06/97
	CA4	Ms, Va, Cd	USGS	10/06/97
	GA1	Va, Ms	USGS	10/06/97
	CA4	Va, Ms	USGS	10/06/97
	CA4	Va, Ms	USGS	10/06/97
	CA4	Va, Ms	USGS	10/06/97
	Burgess Creek	Va, Ms, Ppf	USGS	10/06/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date
057	BA3	Ms, Ec, Cd	USGS	10/06/97
	BA3	Ms, Ec, Cd	USGS	10/06/97
	BA3	Ms, Ec, Cd	USGS	10/06/97
	AA2	Ms, Ec, Cd	USGS	10/06/97
	AA2	Va, Ms, Cd	USGS	10/06/97
	AA2	Va, Ms, Cd	USGS	10/06/97
	AA2	Va, Ms, Cd	USGS	10/06/97
	J3	Va, Ms, Cd	USGS	10/06/97
	J3	Va, Ms	USGS	10/06/97
	Z2	Va, Ms	USGS	10/06/97
	Z2	Va, Ms	USGS	10/06/97
	Z2	Va, Ms	USGS	10/06/97
	Y1	Va, Ms, Cd	USGS	10/06/97
	X2	Va, Ms, Cd	USGS	10/06/97
	W3	Va	USGS	10/07/97
	W3	Va	USGS	10/07/97
	U2	Va	USGS	10/07/97
	U2	Va	USGS	10/07/97
	T2	Va	USGS	10/07/97
	T2	Va	USGS	10/07/97
	S3	Va	USGS	10/07/97
	R2	Va, Ppc, Ppf	USGS	10/07/97
	Q1	Va, Ppc	USGS	10/07/97
	Q1	Va, Ppc	USGS	10/07/97
	P2	Va, Ppc	USGS	10/07/97
	P2	Va, Ppc, Ppf	USGS	10/06/97
	O4	Va, Ms	USGS	10/06/97
	O4	Va, Ppc	USGS	10/06/97
	O4	Va, Ms, Nm, Ppc, Cd	USGS	10/06/97
	O4	Va, Ms, Nm, Cd, Ppc	USGS	10/06/97
	O4	Ms	USGS	10/06/97
	O4	Ms, Va, Cd	USGS	10/06/97
	O4	Ms, Va, Cd	USGS	10/06/97
	O4	Ms, Va	USGS	10/06/97
	O4	Ms, Va	USGS	10/06/97
	N4	Ms, Va	USGS	10/06/97
	N4	Ppc, Va, Rm	USGS	10/06/97
	N4	Va	USGS	10/06/97
	M3	Va	USGS	10/06/97
	M3	Va	USGS	10/06/97
	L4	Va	USGS	10/06/97
	L4	Va	USGS	10/06/97
	L4	Ms, Va	USGS	10/06/97
	L4	Va	USGS	10/06/97
	L4	Va, Ppc	USGS	10/06/97
	L4	Va	USGS	10/06/97
	L4	Va, Ppc	USGS	10/06/97

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date	
057	L4	Va	USGS	10/06/97	
	L4	Va, Ms	USGS	10/06/97	
	L4	Va, Ms	USGS	10/06/97	
	L4	Va, Ms	USGS	10/06/97	
	L4	Va, Ms	USGS	10/06/97	
	Tobacco River, west bank		Va	USGS	10/06/97
	Port Tobacco Marina		Va	USGS	10/06/97
	I3	Va, Ms	USGS	10/06/97	
	K4	Va	USGS	10/06/97	
	P2	Ppf, Va	Citizen	08/16/97	
	KA2	Va, Ms, Cd	USFWS	10/06/97	
	FA2	Va, Ms, Cd	USFWS	10/06/97	
	CA4	Va, Ms, Cd	USFWS	10/06/97	
	X2	Va, Ms	USFWS	10/06/97	
	NA4	Va, Ms, Cd	USFWS	10/06/97	
	Z2	Va, Ms	USFWS	10/06/97	
	J3	Va, Ms, Cd	USFWS	10/06/97	
	AA2	Va, Ms, Cd	USFWS	10/06/97	
	AA2	Va, Ms, Cd	USFWS	10/06/97	
	South of OA2		Va	USFWS	10/06/97
	JA4	Va, Ms	USFWS	10/06/97	
	Y1	Va, Ms	USFWS	10/06/97	
	GA1	Va, Ms, Cd	USFWS	10/06/97	
	South of CA4		Va, Ms, Ppu	USFWS	10/06/97
	OA2	Va, Ms	USFWS	10/06/97	
	BA3	Ec, Ms	USFWS	10/06/97	
	BA3	Va, Ms, Cd	USFWS	10/06/97	
	O4	Va	USFWS	10/06/97	
	MA2	Va, Ms	USFWS	10/06/97	
	058	A3	Va, Ppf	USGS	10/06/97
A3		Va, Ppf	USGS	10/06/97	
B2		Va, Ppf	USGS	10/06/97	
D2		Va	USGS	10/06/97	
060	Long Cove	Zp	Citizen	06/15/97	
	Broomes Island	Zp	Citizen	06/08/97	
	Petersons Point	Zp	Citizen	06/15/97	
061	North of Saw Pit Cove	Zp	Citizen	06/15/97	
	W. of Breeden Road	Zp	Citizen	06/15/97	
	E. of Breedens Point	Zp	Citizen	06/15/97	
	SW of Fort Hill	Zp	Citizen	06/15/97	
064	A1	Ms	USGS	10/06/97	
	B4	Ms	USGS	10/06/97	
	B4	Ms	USGS	10/06/97	



Quad	1997 Bed	Species*	Surveyor**	Survey Date
064	C2	Ms	USGS	10/06/97
	D4	Hv, Ms	USGS	09/08/97
	D4	Hv, Ms	USGS	09/08/97
	D4	Hv, Ms, Nm, Va	USGS	09/08/97
	D4	Hv, Ms, Nm, Va	USGS	09/08/97
	D4	Hv, Ms, Nm	USGS	09/08/97
	D4	Hv, Nm, Ms	USGS	09/08/97
	D4	Hv, Nm, Ms	USGS	09/08/97
	E2	Hv, Ms, Nm	USGS	09/08/97
	F4	Hv, Ms	USGS	09/08/97
	F4	Hv, Nm, Ms	USGS	09/08/97
	F4	Hv, Nm, Ms	USGS	09/08/97
	F4	Hv, Nm, Cd	USGS	09/08/97
	G2	Hv, Ms, Nm, Cd	USGS	09/08/97
	H4	Hv, Ms, Nm, Cd	USGS	09/08/97
	H4	Hv, Nm, Ms	USGS	09/08/97
	H4	Ms, Hv, Nm	USGS	09/08/97
	H4	Hv, Ms, Nm	USGS	09/08/97
	H4	Hv, Ms, Nm	USGS	09/08/97
	H4	Nm, Hv, Ms, Va, Cd	USGS	09/08/97
	H4	Hv, Nm, Cd, Ms	USGS	09/08/97
	H4	Hv, Nm, Cd	USGS	09/08/97
	J2	Hv, Nm, Ms, Cd	USGS	09/08/97
	I4	Hv, Nm, Va	USGS	09/08/97
	I4	Hv, Ms, Nm	USGS	09/08/97
	K2	Hv, Ms, Nm	USGS	09/08/97
	K2	Ms	USGS	09/08/97
	K2	Ms	USGS	09/08/97
	K2	Ms	USGS	09/08/97
	065	West of G2	Ms	USGS
West of G2		Ms	USGS	10/06/97
G2		Va	USGS	10/06/97
Naval Research Lab		Va	USGS	09/05/97
North of F1		Va	USGS	09/05/97
South of F1		Va	USGS	09/05/97
D1		Va, Hv	USGS	09/05/97
C4		Va, Ms	USGS	10/05/97
C4		Va, Ms	USGS	10/05/97
C4		Va, Ms	USGS	10/05/97
C4		Va	USGS	10/05/97
B1		Va	USGS	10/05/97
A4		Va	USGS	10/05/97
C4		Va, Ms	USFWS	10/06/97
C4		Va	USFWS	10/06/97
D1		Va	USFWS	10/06/97
C4		Va, Ms	USFWS	10/06/97

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
065	C4	Va	USFWS	10/06/97
	B1	Va	USFWS	10/06/97
	A4	Va	USFWS	10/06/97
066	W3	Ms, Pcr, Ppc, Ppf, Va	Citizen	06/28/97
	V4	Ppc, Ppf, Va	Citizen	07/20/97
	T2	Ppf, Va	Citizen	07/20/97
	East of S2	Ppf	Citizen	07/20/97
	S2	Ppf	Citizen	07/20/97
	Baber Point	Ppf	Citizen	07/20/97
	J2	Ppf	Citizen	07/20/97
	Y2	Ms	USGS	10/06/97
	DA4	Ms	USGS	10/06/97
	W3	Va, Ppf	USGS	10/06/97
	W3	Va, Ppf	USGS	10/06/97
	W3	Va, Ppf	USGS	10/06/97
	W3	Va, Ppf	USGS	10/06/97
	W3	Ppc	VIMS	June 97
067	S3	Ppf, Va	Citizen	09/01/97
	R4	Ms, Ppf, Va	Citizen	09/01/97
	R4	Ppf, Va	Citizen	09/01/97
	D4	Hd, Ms, Ppf	Citizen	08/15/97
	Aqualand Marina	Ms, Va	USGS	10/06/97
	Aqualand Marina	Ms, Va	USGS	10/06/97
070	S. of Clarks Landing	Zp	Citizen	06/07/97
	NE of Sam Abell Cove	Zp	Citizen	06/07/97
071	Green Holly Pond	Ms	Citizen	06/07/97
	A2	Ppc	CBL	June 97
072	Great Cove	Rm	Citizen	06/20/97
	Great Cove	Rm	Citizen	06/20/97
	A2	Rm	Citizen	06/20/97
	The Big Broads	Rm	Citizen	06/20/97
	Meekins Neck	Rm	Citizen	06/20/97
077	South West of B2	Ms	USGS	05/14/97
	South West of A4	Ms	USGS	05/14/97
078	Smarts Creek	Ms	Citizen	09/07/97
	Smarts Creek	Ms	Citizen	09/07/97
	Mathews Cove	Ms, Zp	Citizen	Summer 97
	Branson Cove	Zp	USGS	05/14/97
	South of Grannys Bar	Ms	USGS	05/14/97
	Danger Point	Zp	USGS	05/14/97

<b>Quad</b>	<b>1997 Bed</b>	<b>Species*</b>	<b>Surveyor**</b>	<b>Survey Date</b>	
078	Glebe Creek	Zp	USGS	05/14/97	
	Glebe Creek	Zp	USGS	05/14/97	
	Glebe Creek	Zp	USGS	05/14/97	
	Linton Point	Zp	USGS	05/14/97	
	North of Linton Point	Zp	USGS	05/14/97	
	Cabin Point Creek	Ms	USGS	05/14/97	
	Cabin Point Creek	Ms, Zp	USGS	05/14/97	
	Cabin Point Creek	Ms, Zp	USGS	05/14/97	
	Buchner Creek	Zp, Ms	USGS	05/14/97	
	Buchner Creek	Zp, Ms	USGS	05/14/97	
	Mathews Cove	Zp, Ms	USGS	05/14/97	
	Poor Tack Creek	Zp, Ms	USGS	05/14/97	
	North of H4	Ms, Zp	USGS	05/14/97	
	080	Rose Croft Point	Zp	Citizen	09/01/97
		E4	Rm	VIMS	05/10/98
084	Laws Thorofare	Rm	Citizen	08/10/97	
	Laws Thorofare	Rm	Citizen	08/10/97	
087	Glebe Creek	Zp	Citizen	06/15/97	
	Glebe Creek	Zp	Citizen	06/15/97	
	Plumb Point	Zp	Citizen	06/15/97	
	A2	Zp	Citizen	06/15/97	
	B4	Zp	Citizen	06/15/97	
	B4	Zp	Citizen	06/15/97	
	North of Boyse Point	Zp	Citizen	06/15/97	
	Hanley Point	Zp	Citizen	06/15/97	
	Harrison Point	Zp	Citizen	06/15/97	
	Lower Machodoc Creek	Zp	Citizen	06/15/97	
	Drum Bay	Zp	Citizen	06/15/97	
	Parham Point	Zp	Citizen	06/15/97	
	Nomini Creek	Ms, Zp	Citizen	Summer 97	
	Palmers Cove	Ms, Zp	Citizen	Summer 97	
	Barnes Creek	Ms, Zp	Citizen	Summer 97	
	Booths Bend	Ms, Zp	Citizen	Summer 97	
	D4	Ms, Zp	Citizen	Summer 97	
	E4	Ms, Zp	Citizen	Summer 97	
	Meter	Zp, Ms	USGS	05/14/97	
	A2	Zp	USGS	05/14/97	
	B4	Zp	USGS	05/14/97	
	C3	Zp	USGS	05/14/97	
	North of Parham Point	Zp	USGS	05/14/97	
	East of Drum Bay	Zp	USGS	05/14/97	
	Lower Machodoc Creek	Zp	USGS	05/14/97	
	Boyse Point	Zp	USGS	05/14/97	
	Negro Point	Zp	USGS	05/14/97	

## SAV

Quad	1997 Bed	Species*	Surveyor**	Survey Date
087	S. of Plumb Point	Zp	USGS	05/14/97
	E4	Ms, Zp	USGS	05/14/97
	Carys Point	Zp	USGS	05/14/97
	Jenkins Cove	Zp	USGS	05/14/97
	Palmers Cove	Zp	USGS	05/14/97
	Browns Cove	Zp	USGS	05/14/97
	Pierce Creek	Zp	USGS	05/14/97
088	West of Lynch Point	Zp	USGS	05/14/97
089	Cherry Point Neck	Zp	USGS	05/13/97
	West of Judith Sound	Zp	USGS	05/13/97
091	E1	Rm	VIMS	09/15/97
096	Lodge Creek	Zp	USGS	05/13/97
	Lodge Creek	Zp	USGS	05/13/97
097	Fleets Cove	U	Citizen	07/25/97
	Kingscote Creek	Zp	USGS	05/13/97
	Kingscote Creek	Zp	USGS	05/13/97
	The Glebe	Zp	USGS	05/13/97
	Glebe Creek	Zp	USGS	05/13/97
	Glebe Creek	Zp	USGS	05/13/97
	The Glebe	Zp	USGS	05/13/97
	The Glebe	Zp	USGS	05/13/97
	The Glebe	Zp	USGS	05/13/97
	E. Coan River	Zp	USGS	05/13/97
	Cox Creek	Zp	USGS	05/13/97
	W. Bay Quarter Neck	Zp	USGS	05/13/97
	W. Bay Quarter Neck	Zp	USGS	05/13/97
	W. Bay Quarter Neck	Zp	USGS	05/13/97
	N. Boathouse Point	Zp	USGS	05/13/97
	W.Boathouse Point	Zp	USGS	05/13/97
	Coan River	Zp	USGS	05/13/97
	Coan River	Zp	USGS	05/13/97
	Headly Cove	Zp	USGS	05/13/97
	Headly Cove	Zp	USGS	05/13/97
	E. Coan River	Zp	USGS	05/13/97
	E. Coan River	Zp	USGS	05/13/97
	E. Coan River	Zp	USGS	05/13/97
E. Coan River	Zp	USGS	05/13/97	
W. Coan River	Zp	USGS	05/13/97	
W. Coan River	Zp	USGS	05/13/97	
W. Coan River	Zp	USGS	05/13/97	
W. Coan River	Zp	USGS	05/13/97	

Quad	1997 Bed	Species*	Surveyor**	Survey Date
097	W. Coan River	Zp	USGS	05/13/97
	W. Coan River	Zp	USGS	05/13/97
	W. Coan River	Zp	USGS	05/13/97
099	F3	Zm	Citizen	07/20/97
	H2	Rm	VIMS	09/15/97
100	N1	Rm	VIMS	09/15/97
	C4	Rm, Zm	VIMS	09/15/97
	C4	Rm, Zm	VIMS	09/15/97
106	A1	Rm	Citizen	06-07/97
	F3	Rm, Zm	Citizen	06/20/97
	E1	Rm, Zm	Citizen	06/20/97
	D3	Rm, Zm	Citizen	06/20/97
	Balt Creek	Rm	Citizen	07/13/97
	Balt Creek	Rm, Zm	Citizen	07/13/97
	C2	Rm, Zm	Citizen	07/13/97
	C2	Rm, Zm	Citizen	07/13/97
	C2	Rm, Zm	Citizen	07/13/97
107	M4	Zm, Rm	VIMS	05/22/97
	L1	Rm	VIMS	09/15/97
108	GA4	Rm, Zm	VIMS	09/15/97
	GA4	Rm	VIMS	09/15/97
	BA1	Rm	VIMS	09/15/97
	W1	Rm	VIMS	09/15/97
	L1	Rm	VIMS	09/15/97
109	U1	Rm, Zm	VIMS	09/15/97
111	F3	Rm	VIMS	06/25/97
	H1	Rm, Zp	VIMS	06/25/97
112	FA1	Rm	Citizen	08/15/97
	AA2	Rm	Citizen	08/15/97
	Z2	Rm	Citizen	08/15/97
	Dymer Creek	Rm	Citizen	08/15/97
	V3	Rm	Citizen	08/15/97
	U2	Rm	Citizen	08/15/97
	T2	Rm	Citizen	08/15/97
	P2	Rm	Citizen	08/15/97
	Dymer Creek	Rm	Citizen	08/15/97
	Dymer Creek	Rm	Citizen	08/15/97
	Dymer Creek	Rm	Citizen	08/15/97
	X3	Rm	Citizen	08/15/97

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Quad	1997 Bed	Species*	Surveyor**	Survey Date
114	M2	Rm	VIMS	09/15/97
118	F4	Zm	VIMS	06/19/97
119	H2	Rm, Zm	VIMS	09/15/97
	T4	Rm	VIMS	09/15/97
	T4	Rm	VIMS	09/15/97
123	G3	Zm, Rm	VIMS	06/18/97
124	F4	Zm	Citizen	07/21/97
	B4	Zm	Citizen	07/21/97
	WA3	Rm	Citizen	07/05/97
	VA4	Rm	Citizen	07/05/97
	G1	Zm	Citizen	07/22/97
	F4	Zm	Citizen	07/22/97
	K2	Zm	Citizen	07/22/97
	H2	Zm	Citizen	10/04/97
	J1	Rm, Zm	Citizen	07/22/97
	U4	Rm, Zm	VIMS	09/15/97
	M4	Rm, Zm	VIMS	09/15/97
	S2	Rm, Zm	VIMS	09/15/97
	F4	Rm	VIMS	09/15/97
	I4	Rm	VIMS	09/15/97
131	HA4	Zm, Rm	VIMS	05/12/97
	HA4	Zm	VIMS	October 97
	HA4	Zm	VIMS	October 97
	EA4	Zm	VIMS	October 97
	EA4	Zm, Rm	VIMS	05/13/97
	W4	Zm, Rm	VIMS	06/20/97
	U2	Zm	VIMS	October 97
	Q4	Zm	VIMS	October 97
	Q4	Zm, Rm	VIMS	05/15/97
	H4	Zm	VIMS	06/20/97
	MA3	Rm, Zm	VIMS	06/20/97
	MA3	Zm, Rm	VIMS	05/14/97
	F4	Rm	VIMS	09/15/97
	F4	Rm	VIMS	09/15/97
132	C4	Rm	Citizen	07/17/97
	B2	Rm	Citizen	09/03/97
	C4	Rm	Citizen	09/03/97
	D4	Rm, Zm	Citizen	09/03/97
	E2	Rm	Citizen	09/03/97
	F4	Rm	Citizen	09/03/97
	G3	Rm	Citizen	09/03/97

Quad	1997 Bed	Species*	Surveyor**	Survey Date
132	Pepper Creek	Rm, Zm	Citizen	09/03/97
	I4	Rm	Citizen	08/13/97
	I4	Rm, Zm	Citizen	08/13/97
	J2	Rm, Zm	Citizen	08/13/97
	K2	Rm, Zm	Citizen	08/13/97
	L1	Rm, Zm	Citizen	08/13/97
	South of Sloop Creek	Rm	Citizen	08/13/97
	D4	Rm, Zm	VIMS	06/20/97
	G3	Rm, Zm	VIMS	05/14/97
	I4	Rm, Zm	VIMS	06/20/97
	DA4	Rm, Zm	VIMS	05/16/97
	I4	Rm	VIMS	09/15/97
	133	P1	Rm	VIMS
E4		Zm, Rm	USFWS	06/19/97
134	G1	Rm	VIMS	09/15/97
139	B1	Zm	VIMS	05/12/97
	C2	Zm	VIMS	05/12/97
140	K4	Zm	VIMS	07/10/97
	K4	Zm	VIMS	07/10/97
	N4	Zm, Rm	VIMS	07/10/97
	N4	Rm, Zm	VIMS	07/10/97
	N4	Zm	VIMS	07/10/97
	P3	Zm	VIMS	07/10/97
	Q4	Zm	VIMS	07/10/97
	Q4	Rm, Zm	VIMS	07/10/97
	R2	Rm, Zm	VIMS	07/10/97
	South of K4	Zm	VIMS	07/10/97
	L1	Zm	VIMS	07/10/97
	S2	Zm	VIMS	07/10/97
	T3	Zm	VIMS	07/10/97
	T3	Zm	VIMS	07/10/97
	T3	Zm, Rm	VIMS	07/10/97
East of T3	Zm	VIMS	07/10/97	
E2	Zm	VIMS	06/11/97	
141	I4	Rm	VIMS	09/15/97
	I4	Rm	VIMS	09/15/97
	I4	Rm	VIMS	09/15/97
142	A1	Zm	VIMS	09/15/97
143	Skidmore Island	Zm	VIMS	05/30/97

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Quad	1997 Bed	Species*	Surveyor**	Survey Date
147	B4	Zm	VIMS	05/19/97
	E4	Zm	VIMS	05/19/97
	D3	Zm	VIMS	05/19/97
	E4	Zm	VIMS	05/19/97
	K4	Zm	VIMS	05/19/97
	J4	Zm	VIMS	05/19/97
	I4	Zm	VIMS	05/19/97
	H2	Zm	VIMS	05/19/97
	R1	Zm	VIMS	05/05/97
	R1	Zm	VIMS	05/05/97
	T4	Zm	VIMS	06/13/97
	U1	Zm	VIMS	05/05/97
	V1	Zm	VIMS	05/20/97
149	A2	Zm	VIMS	07/06/97
	B2	Zm	VIMS	06/09/97
	C1	Zm	VIMS	06/09/97
151	A1	Rm, Zm	VIMS	08/28/97
	B2	Zm	VIMS	05/08/97
152	B1	U	Citizen	07/21/97
	C1	U	Citizen	07/21/97
	D1	U	Citizen	07/21/97
	E1	U	Citizen	07/21/97
	F1	U	Citizen	07/21/97
	F1	U	Citizen	07/21/97
	The Narrows	U	Citizen	07/21/97
	J1	U	Citizen	07/21/97
	I1	U	Citizen	07/21/97
	Carter Point	U	Citizen	07/21/97
	H2	U	Citizen	07/21/97
	G1	U	Citizen	07/21/97
	Bay Island	U	Citizen	07/21/97
	Broad Bay Colony	U	Citizen	07/21/97
	Broad Bay Colony	U	Citizen	07/21/97
	A3	U	Citizen	07/21/97
K1	U	Citizen	07/21/97	
A3	Zm	VIMS	05/08/97	
159	S. of Spyglass Island	Cd, Ec, Ngu, Pcr	PRP	07/25/97
	W. of Back Channel	Cd, Ec, Hv, Ngu, Pcr, Va	PRP	07/25/97
	Hills Bridge	Cd, Ec, Hv, Pcr, Ppu, U	PRP	07/25/97
	Marlboro Hunt Club	Cd, Hv	PRP	07/25/97
	Marlboro Hunt Club	Cd, Ec, Hv, Nm	PRP	07/25/97
	Mill Creek	Cd, Ec, Hv, Ngu, Nm	PRP	07/25/97
	E3	Cd, Hv, Nm	PRP	07/25/97



Quad	1997 Bed	Species*	Surveyor**	Survey Date
159	D4	Hv, Nm	PRP	07/25/97
	Mt. Calvert	Hv	PRP	07/25/97
	Mt. Calvert	Cd, Ec, Hv, Nm, Zp	PRP	07/25/97
	Iron Pot Landing	Cd, Hv, Nm, Zp	PRP	07/25/97
	Iron Pot Landing	Cd, Ec, Hv, Nm	PRP	07/25/97
	East of Mt. Calvert	Hv, Nm	PRP	07/25/97
	Lyons Creek	Cd, Ec, Hv, Nm	PRP	08/07/97
	Hills Bridge	Hv	Citizen	09/05/97
	West of House Marsh	Hv	Citizen	09/05/97
	C4	Hv, Nm	PRP	08/07/97
	B4	Hv, Nm	PRP	08/07/97
	C4	Hv	MD-DNR	08/28/97
	166	M3	Rm	Ocean Pines
L2		Rm	Ocean Pines	07/02/97
K4		Rm	Ocean Pines	07/02/97
K4		Rm	Ocean Pines	07/02/97
H2		Rm	Ocean Pines	07/02/97
I4		Rm	Ocean Pines	07/02/97
E4		Rm	Ocean Pines	07/02/97
E4		Rm	Ocean Pines	07/02/97
D1		Rm	Ocean Pines	07/02/97
B4		Rm	Ocean Pines	07/02/97
M3		Rm	VIMS	07/02/97
L2		Rm	VIMS	07/02/97
K4		Rm	VIMS	07/02/97
I4		Rm	VIMS	07/02/97
E4		Rm	VIMS	07/02/97
E4		Rm	VIMS	07/02/97
E4		Rm, Zm	VIMS	07/02/97
E4		Rm, Zm	VIMS	07/02/97
D1		Rm, Zm	VIMS	07/02/97
B4		Rm, Zm	VIMS	07/02/97
B4		Rm	VIMS	07/02/97
B4		Rm, Zm	VIMS	07/02/97
167	East of I1	Rm	NPS	09/19/97
168	East of A2	Rm	NPS	08/28/97
	East of B3	Rm	NPS	08/28/97
170	B4	Zm	NPS	05/07/97
	East of C3	Zm	NPS	05/07/97
	C3	Zm	NPS	05/07/97
	West of E4	Zm, Rm	NPS	07/11/97
	E4	Zm, Rm	NPS	05/08/97
	E4	Zm	NPS	05/08/97

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Quad	1997 Bed	Species*	Surveyor**	Survey Date
170	North of J2	Rm	NPS	07/09/97
	G2	Rm	NPS	07/09/97
	E4	Zm	NPS	07/09/97
	E4	Zm, Rm	NPS	06/27/97
	E4	Zm, Rm	NPS	05/14/97
	K2	Rm	NPS	09/24/97
	DA3	Zm, Rm	NPS	07/17/97
	JA2	Zm	NPS	09/16/97
	AA4	Zm	NPS	09/16/97
	East of JA2	Zm, Rm	NPS	09/19/97
	IA2	Zm, Rm	NPS	09/19/97
	T4	Rm	NPS	09/12/97
	T4	Rm	NPS	09/19/97
	T4	Zm	NPS	08/14/97
	T4	Rm	NPS	09/16/97
	T4	Zm, Rm	NPS	09/16/97
	T4	Zm, Rm	NPS	09/16/97
	East of Y1	Rm	NPS	09/19/97
	W2	Rm	NPS	09/19/97
	X1	Rm	NPS	09/19/97
171	A1	Zm	VIMS	05/07/97
172	V3	Zm	VIMS	07/01/97
	U3	Zm	VIMS	07/01/97
	S2	Zm	VIMS	07/01/97
	T2	Zm	VIMS	07/01/97
	R2	Zm	VIMS	07/01/97
	B4	Zm	NPS	10/30/97
	B4	Zm	NPS	10/29/97
	B4	Zm, Rm	NPS	10/29/97
	B4	Zm	NPS	10/29/97
	F2	Zm	NPS	10/29/97
	J2	Zm	NPS	07/16/97
	West of K4	Zm	NPS	07/15/97
174	E1	Zm	VIMS	07/01/97
	D4	Zm	VIMS	07/01/97
	G2	Zm	VIMS	07/01/97
	G2	Zm	VIMS	07/01/97
	G2	Zm	VIMS	07/01/97
	F3	Zm	VIMS	07/01/97
	F3	Zm	VIMS	07/01/97
	H2	Zm	VIMS	07/01/97
West of D4	Zm	NPS	07/15/97	

<b>Quad</b>	<b>1997 Bed</b>	<b>Species*</b>	<b>Surveyor**</b>	<b>Survey Date</b>
175	F4	Zm	Citizen	08/25/97
	F4	Rm, Zm	Citizen	08/25/97
	F4	Rm	Citizen	08/25/97
	D2	Zm	Citizen	08/25/97
	F4	Rm, Zm	VIMS	10/29/97
	F4	Zm	VIMS	10/29/97
	F4	Zm	NPS	10/30/97
	G1	Zm	NPS	10/30/97
	F4	Zm	NPS	10/30/97
	F4	Zm	NPS	10/30/97
176	B2	Va	USGS	09/24/97
	A3	Hv	USGS	09/24/97
186	A2	Zm	VIMS	08/21/97
	B2	Rm, Zm	VIMS	08/21/97
	C4	Rm	VIMS	08/21/97
	D4	Rm	VIMS	08/21/97