

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **A. P. Hill** 76,678.4 Acres 10-year Action site? **Yes** Map ID: **16**

Perimeter/area ratio (*1000; lower is better): **0.275** Nearest Matrix block: **Upper Rappahannoc** Distance (miles): **0.0**

County and state:

Caroline Virginia
Essex Virginia

Map unit and subsection name:

232Br Atlantic Southern Loam Hills



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	46,259.8	60.3
Coniferous forest	7,959.6	10.4
Mixed forest	11,027.0	14.4
Emergent herbaceous wetland	886.0	1.2
Forested wetland	2,710.5	3.5
Open water	715.0	0.9
Transitional barren	4,528.3	5.9
Bare rock / sand	10.5	0.0
Total natural cover	74,096.7	96.6
DEVELOPED COVER:		
Agriculture	2,017.9	2.6
Residential, commercial, indust.	553.5	0.7
Total developed cover	2,571.4	3.4

Managed Area within block (acres): 72,249.0

Percentage of block in managed area: 94.2

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Fort A.P. Hill 0 MIL 72,249.0

Minor blocks comprising matrix block:

Maximum acreage of minor road block within:	294
Average acreage of minor road block within:	3246.3
Std Dev in acres of minor road block within:	259
	486

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
283	24	15	6	0	0

LINE FEATURES:	<u>Border</u> (miles)	<u>Internal</u> (miles)	<u>Internal miles</u> per 1000 acres
Primary route	0.0	0.0	0.0
Secondary route	31.6	29.6	0.4
Major road or street	108.9	218.8	2.9
Minor road or street	57.0	173.5	2.3
Shoreline or wetland edge	31.3	52.3	0.7
Tidal shoreline			
Streams chosen by experts	-	124.8	1.6
Streams not chosen	-	38.8	0.5
Dams:	1		

Viable element occurrences: 25

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular</u> <u>plants</u>	<u>Communities</u>
Primary targets	0	1	12	0	7
Secondary targets	0	5	0	0	-

Comments (from expert interviews, fall 2000):

Communities Acid bogs, lots of significant communities

Biodiversity features Lots of EOs; deep ravines, ginseng, pines "gorgeous" place.

Disturbance history Some clear cuts and other timber management

Ownership Almost all managed area

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Aberdeen** 26,202.4 Acres 10-year Action site? **No** Map ID: **1**

Perimeter/area ratio (*1000; lower is better): **0.622** Nearest Matrix block: **Elk Neck** Distance (miles): **2.5**

County and state: Harford Maryland **Map unit and subsection name:** 232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	9,376.9	35.8
Coniferous forest	333.1	1.3
Mixed forest	344.5	1.3
Emergent herbaceous wetland	4,422.9	16.9
Forested wetland	2,936.7	11.2
Open water	2,092.5	8.0
Transitional barren	66.7	0.3
Bare rock / sand	0.0	0.0
Total natural cover	19,573.3	74.7
DEVELOPED COVER:		
Agriculture	3,599.2	13.7
Residential, commercial, indust.	3,030.1	11.6
Total developed cover	6,629.3	25.3

Managed Area within block (acres): 25,018.6
 Percentage of block in managed area: 95.5

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Aberdeen Proving Grounds	3 MIL	23,080.4
Aberdeen Proving Grounds	3 MIL	1,938.2

Minor blocks comprising matrix block:

Maximum acreage of minor road block within:	61				
Average acreage of minor road block within:	7830.6				
Std Dev in acres of minor road block within:	308				
Number of minor road bounded blocks within, by acreage:	1190				
0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
86	4	2	3	1	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	0.0	4.2	0.2
Major road or street	13.4	23.3	0.9
Minor road or street	28.0	19.9	0.8
Shoreline or wetland edge	120.2	54.3	2.1
Tidal shoreline	36.0	4.2	0.2
Streams chosen by experts	-		
Streams not chosen	-	64.1	2.4
Dams:	0		

Viable element occurrences: 0

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history Tank use, bombing

Ownership Air Force

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Black Bird Creek / Millington** 52,280.0 Acres 10-year Action site? **Yes** Map ID: **2**

Perimeter/area ratio (*1000; lower is better): **0.340** Nearest Matrix block: **Elk Neck** Distance (miles): **15.8**

County and state:

Kent Delaware
 New Castle Delaware
 Kent Maryland

Map unit and subsection name:

232Bt Delmarva Upland



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	16,448.6	31.5
Coniferous forest	1,114.6	2.1
Mixed forest	2,411.4	4.6
Emergent herbaceous wetland	644.3	1.2
Forested wetland	7,418.9	14.2
Open water	299.6	0.6
Transitional barren	385.2	0.7
Bare rock / sand	0.0	0.0
Total natural cover	28,722.6	54.9
DEVELOPED COVER:		
Agriculture	23,135.9	44.3
Residential, commercial, indust.	419.9	0.8
Total developed cover	23,555.8	45.1

Managed Area within block (acres): 5,864.9
 Percentage of block in managed area: 11.2

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Millington WMA	3	STA	1,977.8
Millington WMA	3	STA	1,599.8
BLACK IRD STAT	0	STA	405.5
BLACKBIRD STAT	0	STA	363.1
BLACKBIRD STAT	0	STA	244.2
BLACKBIRD STAT	0	STA	234.8
7AD	0		188.0
63E	0		182.9
6F5	0		129.6
6F2	0		117.3

Minor blocks comprising matrix block:

131
 Maximum acreage of minor road block within: 2597
 Average acreage of minor road block within: 392
 Std Dev in acres of minor road block within: 496

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
105	28	15	2	0	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	22.7	27.7	0.5
Major road or street	104.5	95.8	1.8
Minor road or street	10.0	28.6	0.5
Shoreline or wetland edge	32.2	24.3	0.5
Tidal shoreline			
Streams chosen by experts	-	48.3	0.9
Streams not chosen	-	7.8	0.1
Dams:	0		

Viable element occurrences: 0

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities Hardwoods; Mixed oak, hickory-beech-tulip, no loblolly, maple-nyssa-sweet gum, coastal plain ponds; some sections of forest are continuous and very wet; there are large blocks of forest with coastal plain ponds..

Biodiversity features

Disturbance history Agriculture, current and past; selective hardwood removal, not clear cut; lots of paved roads, but not heavily traveled.

Ownership Del and Md state forest, wildlife mgt; private

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Blackwater** 48,131.4 Acres 10-year Action site? **Yes** Map ID: **12**

Perimeter/area ratio (*1000; lower is better): **0.514** Nearest Matrix block: **Transchic** Distance (miles): **1.4**

County and state:

Dorchester Maryland

Map unit and subsection name:

232Bx Eastern Chesapeake Lowland



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	1,051.5	2.2
Coniferous forest	3,809.3	7.9
Mixed forest	1,136.2	2.4
Emergent herbaceous wetland	4,812.3	10.0
Forested wetland	30,179.4	62.7
Open water	1,416.6	2.9
Transitional barren	97.4	0.2
Bare rock / sand	0.0	0.0
Total natural cover	42,502.7	88.3
DEVELOPED COVER:		
Agriculture	5,146.3	10.7
Residential, commercial, indust.	478.6	1.0
Total developed cover	5,624.9	11.7

Minor blocks comprising matrix block:

Maximum acreage of minor road block within:	101
Average acreage of minor road block within:	2918
Std Dev in acres of minor road block within:	276
Number of minor road bounded blocks within, by acreage:	541
0-500	175
500-1000	13
1000-2000	7
2000-5000	5
5000-10000	1
10000+	0

LINE FEATURES:	Border (miles)	Internal (miles)	Internal miles per 1000 acres
Primary route	0.0	0.0	0.0
Secondary route	27.6	16.2	0.3
Major road or street	74.7	32.2	0.7
Minor road or street	28.7	40.2	0.8
Shoreline or wetland edge	216.1	127.6	2.7
Tidal shoreline			
Streams chosen by experts	-		
Streams not chosen	-	53.9	1.1
Dams:	0		

Managed Area within block (acres): 7,553.6

Percentage of block in managed area: 15.7

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Blackwater NWR	2	FED	2,243.1
Blackwater NWR Blackwater Ri	0	FED	1,177.4
Blackwater NWR Blackwater Ri	0	FED	876.8
Blackwater NWR	2	FED	591.3
Blackwater NWR	2	FED	471.0
Blackwater NWR	2	FED	427.1
Blackwater NWR	2	FED	357.4
Blackwater NWR	2	FED	319.3
Blackwater NWR Blackwater Ri	0	FED	308.5
Blackwater NWR Blackwater Ri	0	FED	285.5

Viable element occurrences: 4

	Animals	Invertebrates	Plants	Nonvascular plants	Communities
Primary targets	2	2	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Calvert Cliffs** 10,461.1 Acres 10-year Action site? **Yes** Map ID: **7**

Perimeter/area ratio (*1000; lower is better): **0.842** Nearest Matrix block: **MacIntosh** Distance (miles): **9.0**

County and state:

Calvert Maryland

Map unit and subsection name:

232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	4,322.8	41.3
Coniferous forest	1,136.0	10.9
Mixed forest	2,093.6	20.0
Emergent herbaceous wetland	182.8	1.7
Forested wetland	481.0	4.6
Open water	123.0	1.2
Transitional barren	15.1	0.1
Bare rock / sand	0.0	0.0
Total natural cover	8,354.3	79.9
DEVELOPED COVER:		
Agriculture	1,363.9	13.0
Residential, commercial, indust.	743.2	7.1
Total developed cover	2,107.1	20.1

Minor blocks comprising matrix block:

Maximum acreage of minor road block within:	63												
Average acreage of minor road block within:	4942.6												
Std Dev in acres of minor road block within:	162												
Number of minor road bounded blocks within, by acreage:	830												
	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><u>0-500</u></td> <td style="text-align: center;"><u>500-1000</u></td> <td style="text-align: center;"><u>1000-2000</u></td> <td style="text-align: center;"><u>2000-5000</u></td> <td style="text-align: center;"><u>5000-10000</u></td> <td style="text-align: center;"><u>10000+</u></td> </tr> <tr> <td style="text-align: center;">63</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </table>	<u>0-500</u>	<u>500-1000</u>	<u>1000-2000</u>	<u>2000-5000</u>	<u>5000-10000</u>	<u>10000+</u>	63	0	0	2	0	0
<u>0-500</u>	<u>500-1000</u>	<u>1000-2000</u>	<u>2000-5000</u>	<u>5000-10000</u>	<u>10000+</u>								
63	0	0	2	0	0								

LINE FEATURES:

	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	6.5	2.5	0.2
Major road or street	9.4	2.4	0.2
Minor road or street	4.8	16.5	1.6
Shoreline or wetland edge	58.7	2.7	0.3
Tidal shoreline	7.7		
Streams chosen by experts	-		
Streams not chosen	-	21.6	2.1
Dams:	0		

Managed Area within block (acres): 802.9

Percentage of block in managed area: 7.7

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Gravatt 1c	2	PVT	167.7
Double Oak	2	PVT	138.0
Gravatt 1a	2	PVT	115.7
Gravatt II	2	PVT	108.6
Kenwood	2	PVT	78.2
Russell	2	PVT	59.4
Gravatt 1b	2	PVT	51.9
Wallace North	2	PVT	28.5
Commodore East	2	PVT	19.5
Commodore West	2	PVT	19.3

Viable element occurrences: 2

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	1	1	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities Mixed hardwood; dry oak forest

Biodiversity features Two federally listed beetles; steep slopes; shoreline really nice

Disturbance history Natural coastal disturbance, gas off-loading facility; logged, some current logging, lots of unlogged patches.

Ownership State, county, TNC and private

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Dragon Run**

225,168.7 Acres

10-year Action site? **Yes**

Map ID: **19**

Perimeter/area ratio (*1000; lower is better): **0.274** Nearest Matrix block: **Upper Rappahannoc** Distance (miles): **8.5**

County and state:

Essex Virginia
 Gloucester Virginia
 King William Virginia
 King and Queen Virginia
 Middlesex Virginia

Map unit and subsection name:

232Br Atlantic Southern Loam Hills



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	35,983.1	16.0
Coniferous forest	44,956.6	20.0
Mixed forest	78,578.2	34.9
Emergent herbaceous wetland	5,925.4	2.6
Forested wetland	12,713.8	5.6
Open water	4,725.8	2.1
Transitional barren	2,028.9	0.9
Bare rock / sand	0.4	0.0
Total natural cover	184,912.2	82.1
DEVELOPED COVER:		
Agriculture	38,855.1	17.3
Residential, commercial, indust.	1,404.9	0.6
Total developed cover	40,260.0	17.9

Managed Area within block (acres): 12.1

Percentage of block in managed area: 0.0

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Dept. Game and Inland Fisheries	0	STA	9.7
Dept. Game and Inland Fisheries	0	STA	2.4

Minor blocks comprising matrix block:

459
Maximum acreage of minor road block within: 9077.9
Average acreage of minor road block within: 461
Std Dev in acres of minor road block within: 1200

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
489	25	30	27	9	0

LINE FEATURES:

	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
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Primary route	0.0	0.0	0.0
Secondary route	97.6	97.4	0.4
Major road or street	170.0	173.6	0.8
Minor road or street	1.2	96.8	0.4
Shoreline or wetland edge	248.2	252.2	1.1
Tidal shoreline	12.6	37.7	0.2
Streams chosen by experts	-	176.8	0.8
Streams not chosen	-	372.2	1.7
Dams:	26		

Viable element occurrences: 10

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	3	0	5
Secondary targets	0	0	2	0	-

Comments (from expert interviews, fall 2000):

Communities All three types; cypress swamps

Biodiversity features A blackwater system

Disturbance history

Ownership Some FWS land

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Elk Neck** 21,568.7 Acres 10-year Action site? **No** Map ID: **20**

Perimeter/area ratio (*1000; lower is better): **0.715** Nearest Matrix block: **Aberdeen** Distance (miles): **2.5**

County and state:

Cecil Maryland

Map unit and subsection name:

232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	10,874.9	50.4
Coniferous forest	1,581.4	7.3
Mixed forest	3,659.2	17.0
Emergent herbaceous wetland	320.0	1.5
Forested wetland	366.9	1.7
Open water	399.4	1.9
Transitional barren	23.8	0.1
Bare rock / sand	0.0	0.0
Total natural cover	17,225.6	79.9
DEVELOPED COVER:		
Agriculture	3,808.6	17.7
Residential, commercial, indust.	535.2	2.5
Total developed cover	4,343.8	20.1

Managed Area within block (acres): 5,762.2

Percentage of block in managed area: 26.7

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Elk Neck SF	3	STA	2,797.2
Elk Neck SP	2	STA	1,945.7
Elk Neck SF	3	STA	413.0
Elk Neck SP	2	STA	253.6
Elk Neck SF	3	STA	191.2
Elk Neck SF	3	STA	104.6
Elk Neck SF	3	STA	56.9

Minor blocks comprising matrix block:

Maximum acreage of minor road block within:	117
Average acreage of minor road block within:	4438.8
Std Dev in acres of minor road block within:	183
	547

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
115	6	5	2	0	0

LINE FEATURES:	<u>Border</u> (miles)	<u>Internal</u> (miles)	<u>Internal miles</u> per 1000 acres
Primary route	0.0	0.0	0.0
Secondary route	7.4	2.2	0.1
Major road or street	35.9	34.4	1.6
Minor road or street	0.4	25.7	1.2
Shoreline or wetland edge	31.9	10.3	0.5
Tidal shoreline	24.9		
Streams chosen by experts	-		
Streams not chosen	-	36.6	1.7
Dams:	1		

Viable element occurrences: 0

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular</u> <u>plants</u>	<u>Communities</u>
Primary targets	0	0	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Great Cypress Swamp** **19,433.6** Acres 10-year Action site? **Yes** Map ID: **11**

Perimeter/area ratio (*1000; lower is better): **0.678** Nearest Matrix block: **Nassawango** Distance (miles): **4.5**

County and state:

Sussex Delaware
 Wicomico Maryland
 Worcester Maryland

Map unit and subsection name:

232Bz Delmarva Outer Coastal Plain Bays and Is
 232Bt Delmarva Upland



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	948.9	4.9
Coniferous forest	1,039.0	5.3
Mixed forest	542.2	2.8
Emergent herbaceous wetland	223.7	1.2
Forested wetland	12,941.5	66.6
Open water	16.5	0.1
Transitional barren	42.0	0.2
Bare rock / sand	0.0	0.0
Total natural cover	15,753.8	81.1
DEVELOPED COVER:		
Agriculture	3,571.6	18.3
Residential, commercial, indust.	109.0	0.6
Total developed cover	3,680.6	18.9

Managed Area within block (acres): 12,334.0

Percentage of block in managed area: 63.5

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Great Cypress Sw 0 PVT 12,334.0

Minor blocks comprising matrix block:

61
 Maximum acreage of minor road block within: 1673.4
 Average acreage of minor road block within: 170
 Std Dev in acres of minor road block within: 300

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
71	4	3	2	0	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	14.9	5.5	0.3
Major road or street	39.3	10.8	0.6
Minor road or street	15.0	12.3	0.6
Shoreline or wetland edge	95.0	52.9	2.7
Tidal shoreline			
Streams chosen by experts	-		
Streams not chosen	-	17.7	0.9
Dams:	0		

Viable element occurrences: 14

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	3	0	0	2
Secondary targets	6	3	0	0	-

Comments (from expert interviews, fall 2000):

Communities Red maple-sweet gum-nyssa-loblolly; very uniform

Biodiversity features Openings, peat has burned locally, Va chain fern, rare in De; hairstreak; important for forest-interior birds; largest continuous forest cover in De.

Disturbance history Pine beetle, burned more than once, ditched and drained; bald cypress and Atlantic white cedar logged out; logged more than once.

Ownership De. Wildlands; state ownership with large private inholdings

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Lower Pocomoke**

20,924.5 Acres

10-year
Action site? **No**

Map ID: **18**

Perimeter/area ratio (*1000; lower is better): **0.704** Nearest Matrix block: **Nassawango**

Distance (miles): **0.5**

County and state:

Somerset Maryland
Worcester Maryland
Accomack Virginia

Map unit and subsection name:

232Bx Eastern Chesapeake Lowland



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	1,192.0	5.7
Coniferous forest	3,233.6	15.5
Mixed forest	1,272.7	6.1
Emergent herbaceous wetland	4,574.8	21.9
Forested wetland	4,635.3	22.1
Open water	830.2	4.0
Transitional barren	30.0	0.1
Bare rock / sand	20.5	0.1
Total natural cover	15,789.1	75.4
DEVELOPED COVER:		
Agriculture	5,014.2	23.9
Residential, commercial, indust.	125.2	0.6
Total developed cover	5,139.4	24.6

Managed Area within block (acres): 2,746.1

Percentage of block in managed area: 13.1

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Pocomoke River SF	3	STA	1,338.9
Maryland Marine Properties W	3	STA	785.0
Pocomoke River Lankford Disco	2	STA	292.9
Maryland Marine Properties W	3	STA	211.2
Pocomoke River SF	3	STA	118.1

Minor blocks comprising matrix block:

69
Maximum acreage of minor road block within: 2094.5
Average acreage of minor road block within: 179
Std Dev in acres of minor road block within: 369

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
90	6	3	2	0	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	15.7	1.4	0.1
Major road or street	27.5	36.9	1.8
Minor road or street	4.4	36.5	1.7
Shoreline or wetland edge	172.3	69.3	3.3
Tidal shoreline		16.0	0.8
Streams chosen by experts	-		
Streams not chosen	-	21.4	1.0
Dams:	0		

Viable element occurrences: 1

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	0	0	0
Secondary targets	1	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **MacIntosh** 10,479.6 Acres 10-year Action site? **No** Map ID: **13**

Perimeter/area ratio (*1000; lower is better): **0.672** Nearest Matrix block: **St. Marys** Distance (miles): **0.8**

County and state:

St. Marys Maryland

Map unit and subsection name:

232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	6,055.0	57.8
Coniferous forest	503.9	4.8
Mixed forest	1,049.2	10.0
Emergent herbaceous wetland	26.7	0.3
Forested wetland	885.6	8.4
Open water	18.9	0.2
Transitional barren	8.0	0.1
Bare rock / sand	0.0	0.0
Total natural cover	8,547.3	81.5
DEVELOPED COVER:		
Agriculture	1,805.8	17.2
Residential, commercial, indust.	128.6	1.2
Total developed cover	1,934.4	18.5

Minor blocks comprising matrix block:

Maximum acreage of minor road block within:	38
Average acreage of minor road block within:	2428.2
Std Dev in acres of minor road block within:	276
	635
Number of minor road bounded blocks within, by acreage:	
0-500	500-1000
31	3
1000-2000	2000-5000
2	2
5000-10000	10000+
0	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	8.8	0.2	0.0
Major road or street	26.7	3.6	0.3
Minor road or street	6.4	16.1	1.5
Shoreline or wetland edge	0.4	1.4	0.1
Tidal shoreline			
Streams chosen by experts	-		
Streams not chosen	-	24.4	2.3
Dams:	0		

Managed Area within block (acres):

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Viable element occurrences:

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	1	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Mattawoman** 15,485.0 Acres 10-year Action site? **No** Map ID: **6**

Perimeter/area ratio (*1000; lower is better): **0.531** Nearest Matrix block: **Nanjemoy** Distance (miles): **0.0**

County and state:

Charles Maryland
Prince Georges Maryland

Map unit and subsection name:

232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	8,179.3	52.8
Coniferous forest	655.6	4.2
Mixed forest	1,758.7	11.4
Emergent herbaceous wetland	40.3	0.3
Forested wetland	2,619.3	16.9
Open water	60.5	0.4
Transitional barren	0.9	0.0
Bare rock / sand	0.0	0.0
Total natural cover	13,314.6	86.0
DEVELOPED COVER:		
Agriculture	1,477.8	9.5
Residential, commercial, indust.	692.6	4.4
Total developed cover	2,170.4	14.0

Managed Area within block (acres): 3,039.6

Percentage of block in managed area: 19.6

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Mattawoman NEA	2	STA	2,025.8
Myrtle Grove WMA	2	STA	855.0
Mattawoman Watershed	2	CTY	141.8
Mattawoman Watershed	2	CTY	17.0

Minor blocks comprising matrix block:

	53
Maximum acreage of minor road block within:	8888.1
Average acreage of minor road block within:	291
Std Dev in acres of minor road block within:	1300

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
53	1	0	2	1	0

LINE FEATURES:	<u>Border</u> (miles)	<u>Internal</u> (miles)	<u>Internal miles</u> per 1000 acres
Primary route	0.0	0.0	0.0
Secondary route	16.8	3.4	0.2
Major road or street	7.2	3.4	0.2
Minor road or street	2.1	11.0	0.7
Shoreline or wetland edge	32.3	1.0	0.1
Tidal shoreline			
Streams chosen by experts	-		
Streams not chosen	-	50.6	3.3
Dams:	1		

Viable element occurrences: 0

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Nanjemoy** 44,982.9 Acres 10-year Action site? **Yes** Map ID: **8**

Perimeter/area ratio (*1000; lower is better): **0.634** Nearest Matrix block: **Mattawoman** Distance (miles): **0.0**

County and state: Charles Maryland **Map unit and subsection name:** 232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	15,947.6	35.5
Coniferous forest	8,595.2	19.1
Mixed forest	9,907.7	22.0
Emergent herbaceous wetland	1,096.8	2.4
Forested wetland	2,651.8	5.9
Open water	661.2	1.5
Transitional barren	743.2	1.7
Bare rock / sand	0.0	0.0
Total natural cover	39,603.5	88.0
DEVELOPED COVER:		
Agriculture	4,403.8	9.8
Residential, commercial, indust.	972.2	2.1
Total developed cover	5,376.0	12.0

Managed Area within block (acres): 3,837.3
 Percentage of block in managed area: 8.5

10 Largest MAs: Name, GAP status, Owner, and Acreage:

U.S. Naval Ordinance Station - I	3	MIL	1,154.0
Mattawoman NEA	2	STA	1,026.4
Smallwood SP	3	STA	589.2
Doncaster SF	3	STA	571.7
PC Site 15	2	PVT	297.2
Purse SP	2	STA	152.4
U.S. Naval Ordinance Station - I	3	MIL	45.1
Doncaster SF	3	STA	1.0

Minor blocks comprising matrix block:

103					
Maximum acreage of minor road block within: 4526.1					
Average acreage of minor road block within: 425					
Std Dev in acres of minor road block within: 901					
Number of minor road bounded blocks within, by acreage:					
0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
97	9	11	5	0	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	39.5	26.6	0.6
Major road or street	31.6	45.7	1.0
Minor road or street	-10.7	42.9	1.0
Shoreline or wetland edge	48.1	55.5	1.2
Tidal shoreline	39.9	1.6	0.0
Streams chosen by experts	-	26.9	0.6
Streams not chosen	-	64.6	1.4
Dams:	1		

Viable element occurrences:

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	2	0	0	0
Secondary targets	1	1	0	0	-

Comments (from expert interviews, fall 2000):

Communities Coastal mesophytic- 6075; second growth forest; emergent marshes

Biodiversity features State rare plants; Aesch.; bald eagles; steep ravines; great Miocene fossils

Disturbance history Historical agriculture, unclear how much; probably some clear cuts; big road problem.

Ownership Discussion of this becoming a national park; private and state ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Nanticoke** 47,041.8 Acres 10-year Action site? **Yes** Map ID: **5**

Perimeter/area ratio (*1000; lower is better): **0.725** Nearest Matrix block: **Transchic** Distance (miles): **1.4**

County and state:

Sussex Delaware
 Caroline Maryland
 Dorchester Maryland
 Wicomico Maryland

Map unit and subsection name:

232Bt Delmarva Upland
 232Bx Eastern Chesapeake Lowland



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	5,074.3	10.8
Coniferous forest	11,335.9	24.1
Mixed forest	4,260.3	9.1
Emergent herbaceous wetland	1,515.6	3.2
Forested wetland	10,932.0	23.2
Open water	3,020.1	6.4
Transitional barren	2,004.2	4.3
Bare rock / sand	0.0	0.0
Total natural cover	38,142.4	81.1
DEVELOPED COVER:		
Agriculture	8,670.5	18.4
Residential, commercial, indust.	227.3	0.5
Total developed cover	8,897.8	18.9

Managed Area within block (acres): 6,768.4

Percentage of block in managed area: 14.4

10 Largest MAs: Name, GAP status, Owner, and Acreage:

	0	PVT	1,372.9
	3	FED	1,212.0
	3	FED	860.5
Nanticoke Wildli	0	STA	463.9
	0		421.4
	0	STA	371.6
	0	PVT	282.6
	3	FED	281.5
	3	FED	256.7
	0	PVT	231.5

Minor blocks comprising matrix block:

	243
Maximum acreage of minor road block within:	1478.4
Average acreage of minor road block within:	159
Std Dev in acres of minor road block within:	251

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
269	22	7	0	0	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	40.3	13.2	0.3
Major road or street	89.6	40.7	0.9
Minor road or street	85.0	75.7	1.6
Shoreline or wetland edge	277.6	97.4	2.1
Tidal shoreline		19.3	0.4
Streams chosen by experts	-	37.0	0.8
Streams not chosen	-	78.7	1.7
Dams:	1		

Viable element occurrences: 34

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	3	5	0	6
Secondary targets	2	0	18	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Nassawango**

122,325.9 Acres

10-year Action site? **Yes**

Map ID: **14**

Perimeter/area ratio (*1000; lower is better): **0.287** Nearest Matrix block: **Lower Pocomoke** Distance (miles): **0.5**

County and state:

Somerset Maryland
 Wicomico Maryland
 Worcester Maryland

Map unit and subsection name:

232Bx Eastern Chesapeake Lowland
 232Bt Delmarva Upland
 232Bz Delmarva Outer Coastal Plain Bays and Is



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	12,424.7	10.2
Coniferous forest	41,700.1	34.1
Mixed forest	11,197.1	9.2
Emergent herbaceous wetland	1,237.6	1.0
Forested wetland	25,243.3	20.6
Open water	735.7	0.6
Transitional barren	5,001.3	4.1
Bare rock / sand	0.0	0.0
Total natural cover	97,539.8	79.7
DEVELOPED COVER:		
Agriculture	24,365.5	19.9
Residential, commercial, indust.	418.2	0.4
Total developed cover	24,783.7	20.3

Managed Area within block (acres): 18,104.4

Percentage of block in managed area: 14.8

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Pocomoke River SF	3	STA	4,179.1
Pocomoke River SF	3	STA	1,927.1
Pocomoke River SF	3	STA	1,898.7
Pocomoke River SF	3	STA	1,461.8
Wicomico SF	3	STA	1,210.6
Nassawango Creek Preserve	2	PVT	1,100.3
Pocomoke River SF	3	STA	992.8
Pocomoke River WMA	2	STA	795.0
Nassawango Creek Preserve	2	PVT	656.0
Pocomoke River SF	3	STA	571.4

Minor blocks comprising matrix block:

459
Maximum acreage of minor road block within: 4263.1
Average acreage of minor road block within: 250
Std Dev in acres of minor road block within: 512

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
416	49	26	8	0	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	66.6	23.8	0.2
Major road or street	169.1	136.6	1.1
Minor road or street	125.2	244.9	2.0
Shoreline or wetland edge	341.0	101.1	0.8
Tidal shoreline		16.4	0.1
Streams chosen by experts	-	88.6	0.7
Streams not chosen	-	70.6	0.6
Dams:	0		

Viable element occurrences: 13

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	3	2	0	2
Secondary targets	2	1	3	0	-

Comments (from expert interviews, fall 2000):

Communities Loblolly and mixed oaks; Pitch pine, lots of forested wetlands; maple-sweet gum-nyssa-wet oaks; bald cypress, some white cedar, bogs

Biodiversity features narrow-mouthed toad; Nassawango Creek; Dividing Creek, water quality good; reintroduced Delmarva squirrel, lots of interior forest nesting birds and migratory birds; potential for tiger beetles and coastal plain ponds as well as bears. .

Disturbance history Lots of logging, fires, clear cuts, selectively cut wetlands, some recent cutting, agriculture in some areas, plantations

Ownership 3700A TNC, state forestry, parks and private

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Patuxent WRC** 15,041.3 Acres 10-year Action site? **No** Map ID: **3**

Perimeter/area ratio (*1000; lower is better): **0.550** Nearest Matrix block: **Mattawoman** Distance (miles): **29.2**

County and state:

Anne Arundel Maryland
Prince Georges Maryland

Map unit and subsection name:

232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	5,332.2	35.4
Coniferous forest	1,985.9	13.2
Mixed forest	1,893.4	12.6
Emergent herbaceous wetland	87.4	0.6
Forested wetland	3,227.3	21.5
Open water	191.5	1.3
Transitional barren	601.1	4.0
Bare rock / sand	0.0	0.0
Total natural cover	13,318.8	88.5
DEVELOPED COVER:		
Agriculture	1,012.6	6.7
Residential, commercial, indust.	710.3	4.8
Total developed cover	1,722.9	11.5

Minor blocks comprising matrix block:

Maximum acreage of minor road block within:	25
Average acreage of minor road block within:	5027.4
Std Dev in acres of minor road block within:	513
	1080

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
41	2	1	1	1	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	8.4	0.0	0.0
Major road or street	2.4	0.3	0.0
Minor road or street	26.7	26.4	1.8
Shoreline or wetland edge	40.9	25.9	1.7
Tidal shoreline			
Streams chosen by experts	-	12.4	0.8
Streams not chosen	-	45.4	3.0
Dams:	1		

Managed Area within block (acres): 10,759.0

Percentage of block in managed area: 71.5

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Fort George G. Meade	3	FED	7,941.1
Patuxent Wildlife Research Cent	2	FED	1,849.2
Patuxent Wildlife Research Cent	2	FED	439.1
Patuxent River Park	2	CTY	267.9
National Agricultural Research	4	FED	83.4
Uhler NRMA	3	STA	34.4
Uhler NRMA	3	STA	33.6
Uhler NRMA	3	STA	30.4
Patuxent River Park	2	CTY	26.6
Patuxent River Park	2	CTY	19.8

Viable element occurrences: 0

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Redden - Ellendale** 46,206.0 Acres 10-year Action site? **No** Map ID: **4**

Perimeter/area ratio (*1000; lower is better): **0.329** Nearest Matrix block: **Nanticoke** Distance (miles): **7.6**

County and state:

Sussex Delaware

Map unit and subsection name:

232Bz Delmarva Outer Coastal Plain Bays and Is
232Bt Delmarva Upland



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	5,904.9	12.8
Coniferous forest	11,906.3	25.8
Mixed forest	4,796.7	10.4
Emergent herbaceous wetland	441.4	1.0
Forested wetland	9,274.6	20.1
Open water	60.7	0.1
Transitional barren	147.0	0.3
Bare rock / sand	0.0	0.0
Total natural cover	32,531.6	70.4
DEVELOPED COVER:		
Agriculture	12,980.0	28.1
Residential, commercial, indust.	693.7	1.5
Total developed cover	13,673.7	29.6

Minor blocks comprising matrix block:

287
Maximum acreage of minor road block within: 2641.6
Average acreage of minor road block within: 156
Std Dev in acres of minor road block within: 339

Number of minor road bounded blocks within, by acreage:

<u>0-500</u>	<u>500-1000</u>	<u>1000-2000</u>	<u>2000-5000</u>	<u>5000-10000</u>	<u>10000+</u>
275	27	7	2	0	0

LINE FEATURES:

	<u>Border</u> <u>(miles)</u>	<u>Internal</u> <u>(miles)</u>	<u>Internal miles</u> <u>per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	41.1	24.0	0.5
Major road or street	118.9	123.6	2.7
Minor road or street	18.3	53.8	1.2
Shoreline or wetland edge	42.5	39.4	0.9
Tidal shoreline			
Streams chosen by experts	-	105.7	2.3
Streams not chosen	-	12.4	0.3
Dams:	0		

Managed Area within block (acres): 6,203.2

Percentage of block in managed area: 13.4

10 Largest MAs: Name, GAP status, Owner, and Acreage:

REDDEN STATE F	0	STA	593.0
REDDEN STATE F	0	STA	589.4
743	0		588.9
none	0		503.9
REDDEN STATE F	0	STA	300.6
REDDEN STATE F	0	STA	250.9
TOWNSEND	0		196.5
none	0		187.6
	0	PVT	184.5
BARR #2	0		182.2

Viable element occurrences: 10

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	7	0	0
Secondary targets	1	0	2	0	-

Comments (from expert interviews, fall 2000):

Communities Loblolly, maple-sweet gum with a mix of oaks, uplands white oak and pine

Biodiversity features

Disturbance history Ditched, pine plantations; vast logging history, some still going on; debatable quality.

Ownership State forest

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **St. Marys** 17,698.6 Acres 10-year Action site? **No** Map ID: **15**

Perimeter/area ratio (*1000; lower is better): **0.518** Nearest Matrix block: **MacIntosh** Distance (miles): **0.8**

County and state:

St. Marys Maryland

Map unit and subsection name:

232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	5,365.2	30.3
Coniferous forest	4,190.5	23.7
Mixed forest	3,564.2	20.1
Emergent herbaceous wetland	91.0	0.5
Forested wetland	924.5	5.2
Open water	246.4	1.4
Transitional barren	28.7	0.2
Bare rock / sand	0.0	0.0
Total natural cover	14,410.5	81.4
DEVELOPED COVER:		
Agriculture	2,806.1	15.9
Residential, commercial, indust.	479.2	2.7
Total developed cover	3,285.3	18.6

Managed Area within block (acres): 2,642.4

Percentage of block in managed area: 14.9

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Saint Mary's River SP	3	STA	2,107.7
Saint Mary's FMA	3	STA	519.1
Saint Mary's River SP	3	STA	8.9
Saint Andrew Park	4	CTY	6.7

Minor blocks comprising matrix block:

48					
Maximum acreage of minor road block within: 6527.2					
Average acreage of minor road block within: 365					
Std Dev in acres of minor road block within: 1230					
Number of minor road bounded blocks within, by acreage:					
0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
47	1	1	2	1	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	26.4	3.7	0.2
Major road or street	14.3	9.9	0.6
Minor road or street	-12.7	10.6	0.6
Shoreline or wetland edge	9.1	1.1	0.1
Tidal shoreline			
Streams chosen by experts	-	12.9	0.7
Streams not chosen	-	26.3	1.5
Dams:	1		

Viable element occurrences: 0

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Transchic** 39,328.7 Acres 10-year Action site? **Yes** Map ID: **10**

Perimeter/area ratio (*1000; lower is better): **0.625** Nearest Matrix block: **Blackwater** Distance (miles): **1.1**

County and state:

Dorchester Maryland

Map unit and subsection name:

232Bx Eastern Chesapeake Lowland



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	3,656.3	9.3
Coniferous forest	4,334.4	11.0
Mixed forest	1,812.3	4.6
Emergent herbaceous wetland	5,453.9	13.9
Forested wetland	15,598.7	39.7
Open water	2,465.9	6.3
Transitional barren	0.0	0.0
Bare rock / sand	0.0	0.0
Total natural cover	33,321.5	84.7
DEVELOPED COVER:		
Agriculture	5,953.8	15.2
Residential, commercial, indust.	50.0	0.1
Total developed cover	6,003.8	15.3

Managed Area within block (acres): 4,208.4

Percentage of block in managed area: 10.7

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Blackwater NWR	2	FED	1,832.2
Fishing Bay WMA	3	STA	751.7
Lecompte WMA	3	STA	504.9
Fishing Bay WMA	3	STA	437.1
Fishing Bay WMA	3	STA	324.0
Blackwater NWR Blackwater Ri	0	FED	148.5
Blackwater NWR Blackwater Ri	0	FED	106.3
Blackwater NWR Blackwater Ri	0	FED	72.7
Fishing Bay WMA	3	STA	18.7
Fishing Bay WMA	3	STA	7.3

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership

Minor blocks comprising matrix block:

80
Maximum acreage of minor road block within: 6187.8
Average acreage of minor road block within: 323
Std Dev in acres of minor road block within: 936

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
129	6	4	5	1	0

LINE FEATURES:

	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
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Primary route	0.0	0.0	0.0
Secondary route	3.2	3.6	0.1
Major road or street	47.4	23.1	0.6
Minor road or street	12.2	21.7	0.6
Shoreline or wetland edge	231.9	74.2	1.9
Tidal shoreline			
Streams chosen by experts	-		
Streams not chosen	-	36.9	0.9
Dams:	0		

Viable element occurrences: 4

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	3	1	0	0	0
Secondary targets	0	0	0	0	-

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Upper Rappahannock** **85,028.0** Acres 10-year Action site? **Yes** Map ID: **17**

Perimeter/area ratio (*1000; lower is better): **0.343** Nearest Matrix block: **A. P. Hill** Distance (miles): **0.0**

County and state:

Caroline Virginia
 Essex Virginia
 King George Virginia
 Richmond Virginia
 Westmoreland Virginia

Map unit and subsection name:

232Br Atlantic Southern Loam Hills



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	18,020.3	21.2
Coniferous forest	2,601.3	3.1
Mixed forest	9,478.5	11.1
Emergent herbaceous wetland	3,849.3	4.5
Forested wetland	5,691.0	6.7
Open water	13,747.9	16.2
Transitional barren	212.4	0.2
Bare rock / sand	0.0	0.0
Total natural cover	53,600.7	63.0
DEVELOPED COVER:		
Agriculture	29,505.8	34.7
Residential, commercial, indust.	1,921.4	2.3
Total developed cover	31,427.2	37.0

Managed Area within block (acres): 433.0

Percentage of block in managed area: 0.5

10 Largest MAs: Name, GAP status, Owner, and Acreage:

	0	430.2
Fort A.P. Hill	0 MIL	1.8

Minor blocks comprising matrix block:

91
Maximum acreage of minor road block within: 11933.8
Average acreage of minor road block within: 730
Std Dev in acres of minor road block within: 2330

Number of minor road bounded blocks within, by acreage:

<u>0-500</u>	<u>500-1000</u>	<u>1000-2000</u>	<u>2000-5000</u>	<u>5000-10000</u>	<u>10000+</u>
135	2	2	6	1	4

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	30.7	17.8	0.2
Major road or street	36.1	54.5	0.6
Minor road or street	0.1	64.6	0.8
Shoreline or wetland edge	253.9	126.9	1.5
Tidal shoreline		40.7	0.5
Streams chosen by experts	-	28.4	0.3
Streams not chosen	-	168.0	2.0
Dams:	10		

Viable element occurrences: 2

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	2	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities All three types

Biodiversity features

Disturbance history

Ownership

CHESAPEAKE BAY LOWLANDS (CBY) ECOREGION: MATRIX BLOCK REPORT

Name: **Zekiah** 21,554.6 Acres 10-year Action site? **Yes** Map ID: **9**

Perimeter/area ratio (*1000; lower is better): **0.608** Nearest Matrix block: **Mattawoman** Distance (miles): **5.7**

County and state:

Charles Maryland

Map unit and subsection name:

232Ad Western Chesapeake Uplands



Land Cover Summary:

NATURAL COVER:	Acres	Percent
Deciduous forest	7,074.9	32.8
Coniferous forest	789.7	3.7
Mixed forest	2,408.7	11.2
Emergent herbaceous wetland	35.4	0.2
Forested wetland	5,179.5	24.0
Open water	45.6	0.2
Transitional barren	26.2	0.1
Bare rock / sand	0.0	0.0
Total natural cover	15,560.0	72.2
DEVELOPED COVER:		
Agriculture	5,355.6	24.8
Residential, commercial, indust.	638.9	2.9
Total developed cover	5,994.5	27.8

Managed Area within block (acres): 114.1

Percentage of block in managed area: 0.5

10 Largest MAs: Name, GAP status, Owner, and Acreage:

Zekiah NEA 2 STA 114.1

Minor blocks comprising matrix block:

Maximum acreage of minor road block within:	53
Average acreage of minor road block within:	6049.2
Std Dev in acres of minor road block within:	344
	1080

Number of minor road bounded blocks within, by acreage:

0-500	500-1000	1000-2000	2000-5000	5000-10000	10000+
47	2	4	2	1	0

LINE FEATURES:	<u>Border (miles)</u>	<u>Internal (miles)</u>	<u>Internal miles per 1000 acres</u>
Primary route	0.0	0.0	0.0
Secondary route	22.8	5.1	0.2
Major road or street	13.3	11.9	0.6
Minor road or street	-21.7	9.8	0.5
Shoreline or wetland edge	73.3	2.7	0.1
Tidal shoreline			
Streams chosen by experts	-	69.5	3.2
Streams not chosen	-		
Dams:	1		

Viable element occurrences: 0

	<u>Animals</u>	<u>Invertebrates</u>	<u>Plants</u>	<u>Nonvascular plants</u>	<u>Communities</u>
Primary targets	0	0	0	0	0
Secondary targets	0	0	0	0	-

Comments (from expert interviews, fall 2000):

Communities

Biodiversity features

Disturbance history

Ownership