MATRIX SITE: 1 **RANK:** MY

NAME: Kezar River **SUBSECTION:** 221Al Sebago-Ossipee Hills and Plains

STATE/S: ME

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown

Logging history: yes, 3rd growth

Other comments: seasonal roads and homes,

Road density: low, dirt with trees creating canopy

Unique features: gorge,

Ecological features, EO's, Expected Communities: floating keetle hole bog.northern hard wood

Aquatic features: kezar river watershed and gorgeassumption is good quality

General comments/rank: maybe-yes, maybe (because of lack of eo's)

Landscape assessment: white mountian national forest bordering on north. East looks good.

Ownership/ management: 900 state land, small private holdings

Boundary:

Cover class review: 94% natural cover

SIZE:

Total acreage of the matrix site:	**35,645**
Core acreage of the matrix site:	**27,552**

Total acreage of the matrix site:	35,645
Core acreage of the matrix site:	27,552
% Core acreage of the matrix site:	77
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 37 %

Average acreage of land blocks within the matrix site:	1,024
Maximum acreage of any land block within the matrix site:	7,020
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	13,132
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	37

Internal Land Block Size Distribution:

Acres	# Blocks
<100	16
100 - 500	4
500 - 1000	5
1000 - 2000	3
2000 - 5000	4
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 3 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	3	958

15 Largest managed area parcels within site

	Name	Acres	Type
1	TROUT POND	690	STA
2	SABATTUS MOUNTAIN	214	STA
3	PATTY EASTMAN CARROLL MEMORIAL FOREST	53	PVT

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	41
Evergreen Forest:	18
Mixed Forest:	31
Forested Wetland:	1
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	81	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	4	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	85	2

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 1
NAME: Kezar River
STATE/S: ME

RANK: MY
ELU GROUP: 2b Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **24**

ELEVATION SUMMARY

	Percent
0 - 800ft:	67
800 - 1700ft:	34
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	99
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	17
Cove:	8
Gently Sloping Flat:	30
Dry Flat - Till / Patchy Sediment:	13
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	16
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	8
# Species:		4
# Communities:	1	4

STREAMS SUMMARY:

Total miles of streams in the site: **37**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	23	1
Miles of 2nd order streams:	13	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	37	1

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **14**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	2
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	2
25 - 50	1
50 - 100	2
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,730
Average normal storage of all dams in the site:	865
Maximum drainage area of any dams in the site:	307
Average drainage area of all dams in the site:	97

MATRIX SITE: 2 **RANK:** MY

NAME: Moosilauk **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank: maybe yes, need to speak with Sperduto.

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**53,293**
Core acreage of the matrix site:	**46,037**

Total acreage of the matrix site:	53,293
Core acreage of the matrix site:	46,037
% Core acreage of the matrix site:	86
% Core acreage in natural cover:	99
% Core acreage in non- natural cover:	1

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 83 %

Average acreage of land blocks within the matrix site:	2,795
Maximum acreage of any land block within the matrix site:	29,993
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	44,419
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	83

Internal Land Block Size Distribution:

Acres	# Blocks
<100	10
100 - 500	3
500 - 1000	1
1000 - 2000	2
2000 - 5000	1
5000 - 10000	
10000 - 15000	1
15000+	1

MANAGED AREAS: 73 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	11	73	38,854

15 Largest managed area parcels within site

	Name	Acres	Type
1	White Mountain National Forest	32,498	FED
2	Mt. Moosilauke	4,657	PVT
3	Black Mountain State Forest	756	STA
4	Benton State Forest	433	STA
5	Willoughby Tract	163	PVT
6	Baker River Site #2	101	STA
7	Cadreact	87	STA
8	Glencliff Home for the Elderly	63	STA
9	Lost River Reservation	42	PVT
10	Davis-White State Forest	40	STA
11	WHITE MOUNTAIN NATIONAL FOREST	14	FED

LANDCOVER SUMMARY:

Natural Cover: 98 %

	Percent
Open Water:	0
Transitional Barren:	1
Deciduous Forest:	32
Evergreen Forest:	25
Mixed Forest:	37
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	1
Bare rock sand:	0
TOTAL:	98

Non-Natural Cover: 2 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	2

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 1

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	50	1
Railroads:	1	0
Utility Lines:	8	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	60	1

Boundary Linework

% Of site boundry which is made up of major roads: 91

MATRIX SITE: 2
NAME: Moosilauk
STATE/S: NH

RANK: MY
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **75**

ELEVATION SUMMARY

	Percent
0 - 800ft:	1
800 - 1700ft:	41
1700 - 2500ft:	33
2500 - 4000ft:	23
400ft+ft:	2

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	27
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	72
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	4
Upper slope / Summit:	12
Sideslope:	27
Cove:	30
Gently Sloping Flat:	13
Dry Flat - Till / Patchy Sediment:	2
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	7
Stream / River / Lake:	5

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	17	8
# Species:		1
# Communities:	17	7

STREAMS SUMMARY:

Total miles of streams in the site: **66**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	48	1
Miles of 2nd order streams:	16	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	66	1

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 3 **RANK:** M

NAME: Pleasant Mountain **SUBSECTION:** 221Al Sebago-Ossipee Hills and Plains

STATE/S: ME

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no

Logging history: 3rd growth

Other comments: 4 greater than 5,000 acre local road blocks; spotty fire – not recurrent

Road density: moderate

Unique features: unknown

Aquatic features: includes 1\20 of saco river watershed. Beaver brook, moose pond. good floodplain forest.saco is excellent.

General comments/rank: MAYBE

Landscape assessment: mostly open to linkage to other areas, little surrounding development.

Ownership/ management: brownfield bog – 4,000, a little TNC.

Boundary:

Cover class review: 75-80% natural cover

Ecological features, EO's, Expected Communities: includes all Saco river eo's including scirpus longiiwhite and red oak forest. Oak-pine.

SIZE:

Total acreage of the matrix site:	**53,021**
Core acreage of the matrix site:	**39,218**

Total acreage of the matrix site:	53,021
Core acreage of the matrix site:	39,218
% Core acreage of the matrix site:	74
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 40 %

Average acreage of land blocks within the matrix site:	694
Maximum acreage of any land block within the matrix site:	8,513
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	21,429
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	40

Internal Land Block Size Distribution:

Acres	# Blocks
<100	39
100 - 500	14
500 - 1000	5
1000 - 2000	4
2000 - 5000	4
5000 - 10000	3
10000 - 15000	
15000+	

MANAGED AREAS: 11 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	11	5,872

15 Largest managed area parcels within site

	Name	Acres	Type
1	BROWNFIELD BOG WMA	4,069	STA
2	MIDDLE POND	1,741	STA
3	MOUNTAIN DIVISION LINE RR	63	STA

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	7
Transitional Barren:	0
Deciduous Forest:	29
Evergreen Forest:	20
Mixed Forest:	28
Forested Wetland:	7
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	14	0
Local Roads (Class 4):	124	2
Railroads:	3	0
Utility Lines:	0	0
4-Wheel Drive Trails	10	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	2	0
TOTAL:	154	3

Boundary Linework

% Of site boundry which is made up of major roads: 84

MATRIX SITE: 3
NAME: Pleasant Mountain
STATE/S: ME

RANK: M
ELU GROUP: 2b Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **41**

ELEVATION SUMMARY

	Percent
0 - 800ft:	92
800 - 1700ft:	8
1700 - 2500ft:	1
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	8
Acidic Granitic / Mafic:	92
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	11
Cove:	7
Gently Sloping Flat:	21
Dry Flat - Till / Patchy Sediment:	15
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	8
Wet Flat / Slope Bottom:	22
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	21	31
# Species:	15	11
# Communities:	6	20

STREAMS SUMMARY:

Total miles of streams in the site: **90**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	30	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:		
Miles of 5th order streams:	46	1
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	90	2

DAMS SUMMARY:

Number of dams in the matrix site: **4**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	3
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	575
Average normal storage of all dams in the site:	204
Maximum drainage area of any dams in the site:	206
Average drainage area of all dams in the site:	122

MATRIX SITE: 4 **RANK:** M

NAME: Tarlton **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank: maybe; need to speak with Sperduto.

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**56,463**
Core acreage of the matrix site:	**45,682**

Total acreage of the matrix site:	56,463
Core acreage of the matrix site:	45,682
% Core acreage of the matrix site:	81
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 59 %

Average acreage of land blocks within the matrix site:	1,735
Maximum acreage of any land block within the matrix site:	10,820
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	33,333
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	59

Internal Land Block Size Distribution:

Acres	# Blocks
<100	12
100 - 500	3
500 - 1000	5
1000 - 2000	3
2000 - 5000	4
5000 - 10000	4
10000 - 15000	1
15000+	

MANAGED AREAS: 12 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	19	12	6,950

15 Largest managed area parcels within site

	Name	Acres	Type
1	White Mountain National Forest	4,850	FED
2	Appalachian Trail Tract 191-11	439	FED
3	Thorndike	283	PVT
4	Sentinel Mountain State Forest	249	STA
5	Cadreact	233	STA
6	Appalachian Trail Tracts	211	FED
7	Schwaegler, B. + S.	199	PVT
8	Bunten	166	STA
9	Glebe Lot - Piermont Town Forest	106	MUN
10	Piermont Town Forest	57	MUN
11	Appalachian Trail Tract 191-08	32	FED
12	Shwaegler, S.	31	PVT
13	Appalachian Trail Tract 192-19	29	FED
14	Warren Recreational Trail	19	STA
15	Putnam Farm of Piermont	17	STA

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	2
Transitional Barren:	1
Deciduous Forest:	37
Evergreen Forest:	12
Mixed Forest:	41
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	1
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	13	0
Local Roads (Class 4):	71	1
Railroads:	0	0
Utility Lines:	13	0
4-Wheel Drive Trails	4	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	102	2

Boundary Linework

% Of site boundry which is made up of major roads:	80

MATRIX SITE: 4
NAME: Tarlton
STATE/S: NH

RANK: M
ELU GROUP: 7a — Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **72**

ELEVATION SUMMARY

	Percent
0 - 800ft:	9
800 - 1700ft:	82
1700 - 2500ft:	9
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	25
Acidic Shale:	0
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	72
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	8
Sideslope:	26
Cove:	18
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	7
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	5	17
# Species:	1	1
# Communities:	4	16

STREAMS SUMMARY:

Total miles of streams in the site: **70**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	46	1
Miles of 2nd order streams:	20	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	70	1

DAMS SUMMARY:

Number of dams in the matrix site: **4**
Dams / 100 miles: **6**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	2,250
Average normal storage of all dams in the site:	814
Maximum drainage area of any dams in the site:	11
Average drainage area of all dams in the site:	6

MATRIX SITE: 5 **RANK:** M

NAME: Silver Lake **SUBSECTION:** 221Al Sebago-Ossipee Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities: southern end in pine barrens.unknown

Aquatic features:

General comments/rank: MAYBE, NEED more info, totally unknown

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**22,676**
Core acreage of the matrix site:	**16,926**

Total acreage of the matrix site:	22,676
Core acreage of the matrix site:	16,926
% Core acreage of the matrix site:	75
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 41 %

Average acreage of land blocks within the matrix site:	614
Maximum acreage of any land block within the matrix site:	9,282
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	9,282
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	41

Internal Land Block Size Distribution:

Acres	# Blocks
<100	20
100 - 500	7
500 - 1000	4
1000 - 2000	1
2000 - 5000	2
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 6 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	9	6	1,423

15 Largest managed area parcels within site

	Name	Acres	Type
1	McNair	543	MUN
2	West Branch Pine Barrens Preserve	329	STA
3	Goodwin Town Forest	238	MUN
4	Town of Madison Land	179	MUN
5	Everett Parker Property	74	MUN
6	West Branch Conservation Land	47	MUN
7	Hurricane Point	7	PVT
8	Hoyt Wildlife Sanctuary	3	PVT
9	Big Island	3	STA

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	6
Transitional Barren:	2
Deciduous Forest:	30
Evergreen Forest:	13
Mixed Forest:	42
Forested Wetland:	2
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	58	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	1	0
TOTAL:	59	3

Boundary Linework

% Of site boundry which is made up of major roads: 60

MATRIX SITE: **5**
NAME: **Silver Lake**
STATE/S: **NH**

RANK: **M**
ELU GROUP: **6a** Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **30**

ELEVATION SUMMARY

	Percent
0 - 800ft:	65
800 - 1700ft:	35
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	78
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	22
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	6
Sideslope:	19
Cove:	10
Gently Sloping Flat:	24
Dry Flat - Till / Patchy Sediment:	9
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	8
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		35
# Species:		13
# Communities:		22

STREAMS SUMMARY:

Total miles of streams in the site: **28**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	19	1
Miles of 2nd order streams:	7	0
Miles of 3rd order streams:	2	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	28	1

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **7**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	3,000
Average normal storage of all dams in the site:	1,635
Maximum drainage area of any dams in the site:	22
Average drainage area of all dams in the site:	13

MATRIX SITE: 6 **RANK:** Y

NAME: Burnt Meadow Brook **SUBSECTION:** 221AI Sebago-Ossipee Hills and Plains

STATE/S: ME/NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unlikely

Logging history: yes, 3rd growth.

Other comments:

Road density: low-moderate

Unique features: a chunk of circumneutral rock

Aquatic features: first order watersheds, outwash plain ponds.unknown

General comments/rank: YES

Landscape assessment: very good landscape context.

Ownership/ management: Brownfield Bog is out. Sheppard River tracts are in at 1400. Majority is small private holdings. Managed area acres need to be checked.

Boundary:

Cover class review: 95% natural cover

Ecological features, EO's, Expected Communities: isotria, Ophiogomphuscircumneatral talus, temperate circumneautral outcrop, mixed hardwood conifer forest, outwash plain pondshore.

SIZE:

Total acreage of the matrix site:	**46,346**
Core acreage of the matrix site:	**36,906**

Total acreage of the matrix site:	46,346
Core acreage of the matrix site:	36,906
% Core acreage of the matrix site:	80
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 57 %

Average acreage of land blocks within the matrix site:	909
Maximum acreage of any land block within the matrix site:	10,180
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	26,329
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	57

Internal Land Block Size Distribution:

Acres	# Blocks
<100	29
100 - 500	5
500 - 1000	4
1000 - 2000	7
2000 - 5000	2
5000 - 10000	2
10000 - 15000	1
15000+	

MANAGED AREAS: 4 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	5	4	1,701

15 Largest managed area parcels within site

	Name	Acres	Type
1	Shepherd River Tracts	1,456	STA
2	Town of Eaton Land	104	MUN
3	Nella Braddy Henney Tract	67	PVT
4	MOUNTAIN DIVISION LINE RR	45	STA
5	OXFORD COUNTY AUDUBON SANCTUARY	28	PVT

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	41
Evergreen Forest:	15
Mixed Forest:	35
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	6	0
Local Roads (Class 4):	90	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	9	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	104	2

Boundary Linework

% Of site boundry which is made up of major roads: 22

MATRIX SITE: 6
NAME: Burnt Meadow Brook
STATE/S: ME/NH

RANK: Y
ELU GROUP: 4b Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **53**

ELEVATION SUMMARY

	Percent
0 - 800ft:	60
800 - 1700ft:	40
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	14
Acidic Shale:	0
Calcareous mod Sedimentary:	29
Acidic Granitic / Mafic:	57
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	10
Sideslope:	21
Cove:	14
Gently Sloping Flat:	21
Dry Flat - Till / Patchy Sediment:	6
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	6
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	6	26
# Species:	3	19
# Communities:	3	7

STREAMS SUMMARY:

Total miles of streams in the site: **76**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	57	1
Miles of 2nd order streams:	12	0
Miles of 3rd order streams:	7	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	76	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **3**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	780
Average normal storage of all dams in the site:	512
Maximum drainage area of any dams in the site:	243
Average drainage area of all dams in the site:	147

MATRIX SITE: 7
NAME: Tamworth
STATE/S: NH

RANK: MY
SUBSECTION: 221Al Sebago-Ossipee Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: yes, big, old white pine area in state forest.

Logging history: same, 2nd and 3rd growth.

Other comments:

Road density: class 5 roads yes – quite a few – need review. Moderate.

Unique features:

Aquatic features: swift river and first order streams to Bear Camp river.good

General comments/rank: Maybe YESsignificance of this block is link between Ossipee and White Mountains. Rt. 25 is heavily traveled but some creatures getting across. .

Landscape assessment: abuts white Mountians and Ossipee block to south. Developmetn form Rt16 to east.

Ownership/ management: 3400 in managed area. private woodlots

Boundary:

Cover class review: 95% natural over

Ecological features, EO's, Expected Communities: mesic transitional forest, listera cordata, malaxis unifolia,northern hardwood, white pine (lots) , little hemlock

SIZE:

Total acreage of the matrix site:	**17,066**
Core acreage of the matrix site:	**11,745**

Total acreage of the matrix site:	17,066
Core acreage of the matrix site:	11,745
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	99
% Core acreage in non- natural cover:	1

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	435
Maximum acreage of any land block within the matrix site:	2,587
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	21
100 - 500	6
500 - 1000	6
1000 - 2000	4
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 20 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	24	20	3,446

15 Largest managed area parcels within site

	Name	Acres	Type
1	Hemenway State Forest	1,650	STA
2	Cave	751	PVT
3	Hackett Hill WMA	236	STA
4	Perkins	207	STA
5	Daniels	145	PVT
6	Alt #4	93	PVT
7	Aspinall	66	STA
8	Flaccus	37	PVT
9	Alt - Damon Lot	37	MUN
10	Jackman Pond Wildlife Area	36	MUN
11	Davies Parcel	29	PVT
12	Mill Brook	25	PVT
13	Alt #1	22	PVT
14	Alt - West Moody Lot	21	MUN
15	Alt, et al.	20	PVT

LANDCOVER SUMMARY:

Natural Cover: 97 %

	Percent
Open Water:	1
Transitional Barren:	2
Deciduous Forest:	16
Evergreen Forest:	27
Mixed Forest:	50
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	97

Non-Natural Cover: 3 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	3

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	47	3
Railroads:	0	0
Utility Lines:	7	0
4-Wheel Drive Trails	3	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	56	3

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 7
NAME: Tamworth
STATE/S: NH

RANK: MY
ELU GROUP: 4b Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **43**

ELEVATION SUMMARY

	Percent
0 - 800ft:	53
800 - 1700ft:	47
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	70
Acidic Shale:	0
Calcareous mod Sedimentary:	8
Acidic Granitic / Mafic:	22
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	11
Cove:	4
Gently Sloping Flat:	36
Dry Flat - Till / Patchy Sediment:	16
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	10
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	3
# Species:		
# Communities:	1	3

STREAMS SUMMARY:

Total miles of streams in the site: **42**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	19	1
Miles of 2nd order streams:	7	0
Miles of 3rd order streams:	4	0
Miles of 4th order streams:	11	1
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	42	2

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 8 **RANK:** M

NAME: Bald Mountain **SUBSECTION:** 221Bc Hudson Glacial Lake Plains

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: VT 12/14: none

Logging history:

Other comments: VT 12/14: This is the only potential block in the whole sub-section. Falls largely within VBP #32.

Road density:

Unique features:

Aquatic features: VT 12/14: Lower Poultney River, south Lake Champlain to Crown Point Bridge

General comments/rank: Maybe VT1/6: Maybe Yes. Good aquatic features (Poultney River and southern Lake Champlain), high landscape/community/species diversity, no other potential blocks exist in this subsection, core of current conservation land BUT more rural/agricultural fragmentation here than other blocks.

Landscape assessment: VT12/14: Rural fragmentation. TNC's Shaw Mountain Natural Area (475 acres) and East Creek Natural Area (2,300 acres) lie east of block, also Pond Woods WMA.

Ownership/ management: VT 12/14: TNC Buckner Preserve (2,800 acres) included in block.

Boundary:

Cover class review: VT12/14: mix of forested and agricultural land

Ecological features, EO's, Expected Communities: VT 12/14: Matrix forest type = northern hardwoods. Many EO's, including timber rattlesnake and Cynoglossum virginianum. Black gum swamp. Cliff and talus communities.marginal matrix of northern harwoods and oak-hickory.

SIZE:

Total acreage of the matrix site:	**38,748**
Core acreage of the matrix site:	**28,236**

Total acreage of the matrix site:	38,748
Core acreage of the matrix site:	28,236
% Core acreage of the matrix site:	73
% Core acreage in natural cover:	84
% Core acreage in non- natural cover:	16

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 35 %

Average acreage of land blocks within the matrix site:	656
Maximum acreage of any land block within the matrix site:	13,607
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	13,607
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	35

Internal Land Block Size Distribution:

Acres	# Blocks
<100	25
100 - 500	8
500 - 1000	3
1000 - 2000	2
2000 - 5000	2
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 11 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	16	11	4,261

15 Largest managed area parcels within site

	Name	Acres	Type
1	THE NATURE CONSERVANCY	3,149	PVT
2	VERMONT LAND TRUST	734	PVT
3	PRIVATE - THE NATURE CONSERVANCY EXCLUDED	125	PVT
4	WARD MARSH WILDLIFE MANAGEMENT AREA	110	STA
5	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	72	PVT
6	PRIVATE - THE NATURE CONSERVANCY EASEMENT(	38	PVT
7	FORT TICONDEROGA ASSOCIATION	10	PVT
8	MOUNT INDEPENDENCE (ANR F&W MISC)	4	STA
9	MOUNT INDEPENDENCE HISTORIC SITE	4	STA
10	MCCUEN SLANG WILDLIFE MANAGEMENT AREA	4	STA
11	CROWN POINT CAMPGROUND	4	STA
12	F&W	3	STA
13	LARRABEES POINT AA	3	STA
14	CHIMNEY POINT STATE HISTORIC SITE	0	STA
15	CHIMNEY POINT STATE PARK	0	STA

LANDCOVER SUMMARY:

Natural Cover: 82 %

	Percent
Open Water:	35
Transitional Barren:	0
Deciduous Forest:	23
Evergreen Forest:	12
Mixed Forest:	8
Forested Wetland:	1
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	82

Non-Natural Cover: 18 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	7
Row Crops:	11
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	18

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	42	1
Railroads:	19	0
Utility Lines:	10	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	73	2

Boundary Linework

% Of site boundry which is made up of major roads: 56

MATRIX SITE: 8
NAME: Bald Mountain
STATE/S: VT

RANK: M
ELU GROUP: 2b Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **35**

ELEVATION SUMMARY

	Percent
0 - 800ft:	99
800 - 1700ft:	1
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	17
Acidic Shale:	0
Calcareous mod Sedimentary:	65
Acidic Granitic / Mafic:	18
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	13
Cove:	8
Gently Sloping Flat:	17
Dry Flat - Till / Patchy Sediment:	7
Dry Flat - Fine Grained Sediment:	28
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	20
Stream / River / Lake:	2

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	32	34
# Species:	7	8
# Communities:	25	26

STREAMS SUMMARY:

Total miles of streams in the site: **14**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	13	0
Miles of 2nd order streams:		
Miles of 3rd order streams:		
Miles of 4th order streams:	1	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	14	0

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 9
NAME: Cardigan
STATE/S: NH

In final portfolio, boundaries changed, area GREW.

New name: Mascoma

RANK: Y
SUBSECTION: M212Bc Sunapee Uplands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**112,940**
Core acreage of the matrix site:	**94,099**

Total acreage of the matrix site:	112,940
Core acreage of the matrix site:	94,099
% Core acreage of the matrix site:	83
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 60 %

Average acreage of land blocks within the matrix site:	1,851
Maximum acreage of any land block within the matrix site:	61,826
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	67,571
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	60

Internal Land Block Size Distribution:

Acres	# Blocks
<100	24
100 - 500	16
500 - 1000	4
1000 - 2000	6
2000 - 5000	8
5000 - 10000	1
10000 - 15000	
15000+	1

MANAGED AREAS: 10 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	65	10	10,872

15 Largest managed area parcels within site

	Name	Acres	Type
1	Appalachian Trail Tracts	2,299	FED
2	Mascoma River WMA	2,173	STA
3	Cummins Pond WMA	709	STA
4	Appalachian Trail Tract 196-01	607	FED
5	Appalachian Trail Tracts 193-(2,5,14,15)	532	FED
6	Goodwin Forest	505	STA
7	Trout Pond	297	PVT
8	Estes	261	MUN
9	Appalachian Trail Tract 194-02	244	FED
10	Lyme Town Forest	242	MUN
11	Baker River Site #7	240	STA
12	Dana Property	149	MUN
13	Nichols	148	PVT
14	Pout Pond/Demarest	142	PVT
15	Appalachian Trail Tracts 196-07 + 196-09	136	FED

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	43
Evergreen Forest:	16
Mixed Forest:	31
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	197	2
Railroads:	0	0
Utility Lines:	5	0
4-Wheel Drive Trails	18	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	219	2

Boundary Linework

% Of site boundry which is made up of major roads: 58

MATRIX SITE: 9
NAME: Cardigan
STATE/S: NH

RANK: Y
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **70**

ELEVATION SUMMARY

	Percent
0 - 800ft:	5
800 - 1700ft:	74
1700 - 2500ft:	19
2500 - 4000ft:	1
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	12
Acidic Shale:	0
Calcareous mod Sedimentary:	4
Acidic Granitic / Mafic:	83
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	7
Sideslope:	23
Cove:	16
Gently Sloping Flat:	24
Dry Flat - Till / Patchy Sediment:	10
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	13	12
# Species:	6	5
# Communities:	7	7

STREAMS SUMMARY:

Total miles of streams in the site: **195**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	139	1
Miles of 2nd order streams:	37	0
Miles of 3rd order streams:	13	0
Miles of 4th order streams:	7	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	195	2

DAMS SUMMARY:

Number of dams in the matrix site: **7**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	5
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	3
25 - 50	1
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,950
Average normal storage of all dams in the site:	485
Maximum drainage area of any dams in the site:	17
Average drainage area of all dams in the site:	5

MATRIX SITE: 10 **RANK:** Y

NAME: Ossipee Mountains **SUBSECTION:** 221Al Sebago-Ossipee Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no
Logging history:	2nd and 3rd growth and intense current.
Other comments:	one 25,000 acre block
Road density:	very low density. 2miles\1000 acres.
Unique features:	text book ring dike – ancient unburied volcano. Possible breeding whippoorwill. Tremendous groundwater resource.
Aquatic features:	lots of first order streams and headwaters to them.
General comments/rank:	check with Audubon on this area. They have inventoried well.
Landscape assessment:	south (Winnpausake) and east (rt16) pose development threat.
Ownership/ management:	7,500 managed area. Moderate size woodlots private. Active acqusition ongoing for conservation.
Boundary:	
Cover class review:	96%+

Ecological features, EO's, Expected Communities: circum neautral talus, acidic rcky summit, arabis missouriansis, cyprepedium pubescens, and others.lots of beach. Oak-pine with heavy beach because of heaby logging. Spruce-fir on high elevation.

SIZE:

Total acreage of the matrix site:	**58,852**
Core acreage of the matrix site:	**48,339**

Total acreage of the matrix site:	58,852
Core acreage of the matrix site:	48,339
% Core acreage of the matrix site:	82
% Core acreage in natural cover:	99
% Core acreage in non- natural cover:	1

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 70 %

Average acreage of land blocks within the matrix site:	895
Maximum acreage of any land block within the matrix site:	41,315
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	41,315
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	70

Internal Land Block Size Distribution:

Acres	# Blocks
<100	36
100 - 500	19
500 - 1000	4
1000 - 2000	4
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	1

MANAGED AREAS: 13 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	22	13	7,516

15 Largest managed area parcels within site

	Name	Acres	Type
1	Retsof/Chocorua Forestlands	4,388	PVT
2	Thompson/Sanger Brook, Inc.	982	PVT
3	UNH - Lovell River	477	STA
4	UNH - Lord Farm	390	STA
5	Thompson/Chocorua Forestlands	363	PVT
6	Carroll County Farm	287	MUN
7	Thompson (Watson Pasture)/Kimball	182	PVT
8	Garland Pond WMA	115	STA
9	Thissell-Smith Memorial Forest	104	PVT
10	Smith	77	PVT
11	UNH - Bearcamp Property	38	STA
12	Ossipee Town Forest	27	MUN
13	UNH - Davis White Lot	17	STA
14	Town of Moultonborough Land	15	MUN
15	Mountain Road Wetland	14	MUN

LANDCOVER SUMMARY:

Natural Cover: 98 %

	Percent
Open Water:	1
Transitional Barren:	2
Deciduous Forest:	35
Evergreen Forest:	12
Mixed Forest:	45
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	98

Non-Natural Cover: 3 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	3

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	3	0
Local Roads (Class 4):	94	2
Railroads:	8	0
Utility Lines:	8	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	113	2

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: 10
NAME: Ossipee Mountains
STATE/S: NH

RANK: Y
ELU GROUP: 7b Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **45**

ELEVATION SUMMARY

	Percent
0 - 800ft:	33
800 - 1700ft:	49
1700 - 2500ft:	16
2500 - 4000ft:	1
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	8
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	92
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	10
Sideslope:	23
Cove:	21
Gently Sloping Flat:	14
Dry Flat - Till / Patchy Sediment:	10
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	19
# Species:	1	4
# Communities:	2	15

STREAMS SUMMARY:

Total miles of streams in the site: **114**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	78	1
Miles of 2nd order streams:	13	0
Miles of 3rd order streams:	13	0
Miles of 4th order streams:		
Miles of 5th order streams:	3	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	7	0
Total miles of streams in the site:	114	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,200
Average normal storage of all dams in the site:	610
Maximum drainage area of any dams in the site:	12
Average drainage area of all dams in the site:	9

MATRIX SITE: 11
NAME: Ossipee Pine Barrens
STATE/S: NH/ME

In final portfolio, boundaries changed, area GREW.

New name: Pine River

RANK: Y
SUBSECTION: 221Al Sebago-Ossipee Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: maybe a couple f acres = 10

Logging history: 2nd and 3rd growth, continuing

Other comments: much of it has burned.

Road density: low to moderate

Unique features: Heath Pond Bog.

Aquatic features: level bog, pine river with floodplain forest.wicked excellent

General comments/rank: YES!

Landscape assessment: good to north and east and southwest, north is residential looking as is south

Ownership/ management: state forest and natural areas – 4,600 ; ME small private. 5 natural areas. Pending prescribed fire

Boundary:

Cover class review: at least 95% natural cover

Ecological features, EO's, Expected Communities: pine barren, dry oak forest, extensive peatland, pine-oak. bogdry oak forest at Ossipee esker.

SIZE:

Total acreage of the matrix site: **48,654**

Core acreage of the matrix site: **36,224**

Total acreage of the matrix site:	48,654
Core acreage of the matrix site:	36,224
% Core acreage of the matrix site:	74
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 15 %

Average acreage of land blocks within the matrix site:	652
Maximum acreage of any land block within the matrix site:	7,406
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	7,406
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	15

Internal Land Block Size Distribution:

Acres	# Blocks
<100	33
100 - 500	17
500 - 1000	9
1000 - 2000	7
2000 - 5000	7
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 10 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	7	10	5,032

15 Largest managed area parcels within site

	Name	Acres	Type
1	Pine River State Forest	3,254	STA
2	Heath Pond Bog Natural Area	1,353	STA
3	Watts Wildlife Sanctuary	268	PVT
4	Thissell-Smith Memorial Forest	65	PVT
5	Stimson Forest	44	PVT
6	Varrieur	30	PVT
7	Green Mountain State Forest	17	STA

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	1
Transitional Barren:	1
Deciduous Forest:	22
Evergreen Forest:	21
Mixed Forest:	43
Forested Wetland:	6
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	6	0
Local Roads (Class 4):	117	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	6	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	129	3

Boundary Linework

% Of site boundry which is made up of major roads: 85

MATRIX SITE: 11
NAME: Ossipee Pine Barrens
STATE/S: NH/ME

RANK: Y
ELU GROUP: 4b Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **45**

ELEVATION SUMMARY

	Percent
0 - 800ft:	86
800 - 1700ft:	14
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	4
Acidic Shale:	0
Calcareous mod Sedimentary:	23
Acidic Granitic / Mafic:	74
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	11
Cove:	6
Gently Sloping Flat:	20
Dry Flat - Till / Patchy Sediment:	17
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	18
Wet Flat / Slope Bottom:	17
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	4	25
# Species:	2	6
# Communities:	2	19

STREAMS SUMMARY:

Total miles of streams in the site: **90**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	59	1
Miles of 2nd order streams:	12	0
Miles of 3rd order streams:	18	0
Miles of 4th order streams:	1	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	90	2

DAMS SUMMARY:

Number of dams in the matrix site: **3**
Dams / 100 miles: **3**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	23,300
Average normal storage of all dams in the site:	8,349
Maximum drainage area of any dams in the site:	357
Average drainage area of all dams in the site:	122

MATRIX SITE: 12 **RANK:** Y

NAME: Schateaguey **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no. mature forest present here

Logging history: some is old pasture. 2nd and 3rd growth. And continuing. AT corridor is "set aside"

Other comments: "it's plenty remote…when you fly over it ..wow". Eastern edge of block is calcareous.(Waits River formation), but majority of block is typical Green Mountain bedrock. Small overlap with VBP #38 on block's west side. Elev. range from 800 ft (near White River) to 2600 ft (on Sable Mt.). Biophysiography is similar to NAP matrix blocks; this block lies just SE of Monastery Mt. block.

Road density: Very Low. loop road on the south has local use, that may be intensifying. Stoney Brook Road is a jeep trail – not very fragmenting.

Unique features: patches of oak woodland on south facing slopes. Productive tree growing land.

Aquatic features: good trout fishing brooks, Anadromous fisheries in White River and this block includes some of the headwaters. Ask Steve Roygood.

General comments/rank: fair amount of interest locally for conservation. "working landscape". Want to keep it from becoming developed. Local four town committee to advance this blocks conservation. The site is not very diverse – not many patch habitats. YES.

Landscape assessment: to south rural residential and large road – Rt 4 has 15,000. West – Rt 100 can not be crossed with frontage houses. North RT100 undevelped either side. To east more open land with agriculture.

Ownership/ management: Management for saw timber by Yankee Forest – originally IP lands. Also large private holdings by Rose (currently being harvested). Les Newell WMA (5,600 acres), timber rights owned by private company (A. Johnson) managing for saw timber. Access for hunting. AT corridor goes through here.

Boundary: State has given heavy salvage permits for ice damaged forests. Woods roads get four season use for recreation (skiing, ATV's), Hunting camps.

Cover class review: 95% natural cover

Ecological features, EO's, Expected Communities: Matrix forest type = northern hardwoods. Vernal woodland pool. No inventory except AT corridor. Some spruce-fir at upper elevations. Tamarack-red maple swamp. Patches of oak forest on south facing slopes.northern hardwoods. Some spruce\fir.

SIZE:

Total acreage of the matrix site:	**63,138**
Core acreage of the matrix site:	**52,847**

Total acreage of the matrix site:	63,138
Core acreage of the matrix site:	52,847
% Core acreage of the matrix site:	84
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 78 %

Average acreage of land blocks within the matrix site:	3,322
Maximum acreage of any land block within the matrix site:	43,654
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	48,936
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	78

Internal Land Block Size Distribution:

Acres	# Blocks
<100	6
100 - 500	5
500 - 1000	2
1000 - 2000	1
2000 - 5000	3
5000 - 10000	1
10000 - 15000	
15000+	1

MANAGED AREAS: 12 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	5	12	7,663

15 Largest managed area parcels within site

	Name	Acres	Type
1	LES NEWELL WILDLIFE MANAGEMENT AREA	5,645	STA
2	APPALACHIAN TRAIL	1,539	FED
3	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	478	PVT
4	WHITE RIVER STREAM BANK	1	STA
5	GREEN MOUNTAIN NATIONAL FOREST	0	FED

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	64
Evergreen Forest:	14
Mixed Forest:	17
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	93	1
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	18	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	111	2

Boundary Linework

% Of site boundry which is made up of major roads: 51

MATRIX SITE: 12
NAME: Schateaguey
STATE/S: VT

RANK: Y
ELU GROUP: 8 — High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **62**

ELEVATION SUMMARY

	Percent
0 - 800ft:	1
800 - 1700ft:	48
1700 - 2500ft:	50
2500 - 4000ft:	1
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	73
Acidic Shale:	0
Calcareous mod Sedimentary:	11
Acidic Granitic / Mafic:	15
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	15
Sideslope:	32
Cove:	28
Gently Sloping Flat:	7
Dry Flat - Till / Patchy Sediment:	1
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	9
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	
# Species:		
# Communities:	1	

STREAMS SUMMARY:

Total miles of streams in the site: **101**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	69	1
Miles of 2nd order streams:	17	0
Miles of 3rd order streams:	16	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	101	2

DAMS SUMMARY:

Number of dams in the matrix site: **1**
Dams / 100 miles: **1**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	105
Average normal storage of all dams in the site:	105
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	1

MATRIX SITE: 13 **RANK:** M

NAME: Plymouth **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown, need more info.

Logging history: same.

Other comments: two 5-10K blocks and one 2-5K blocks – these roads may not be fragmentors.

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank: MAYBE

Landscape assessment: good.

Ownership/ management: Green acres – 1000acres , timber investor doing forestry, large camps multiple hundred acres.

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**33,589**
Core acreage of the matrix site:	**24,264**

Total acreage of the matrix site:	33,589
Core acreage of the matrix site:	24,264
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 37 %

Average acreage of land blocks within the matrix site:	426
Maximum acreage of any land block within the matrix site:	6,818
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	12,403
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	37

Internal Land Block Size Distribution:

Acres	# Blocks
<100	53
100 - 500	10
500 - 1000	6
1000 - 2000	5
2000 - 5000	2
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 5 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	15	5	1,807

15 Largest managed area parcels within site

	Name	Acres	Type
1	Green Acres Woodlands	1,071	STA
2	Worthen	151	PVT
3	Fauver	106	PVT
4	Walter	92	STA
5	Newton	66	STA
6	Bridgewater Town Forest	64	MUN
7	Sugar Hill State Forest	63	STA
8	Drew	63	MUN
9	J. Tyson Stokes Memorial Forest	44	PVT
10	New Hampton - Bridgewater Scenic Easemen	27	STA
11	Keniston Woods	18	MUN
12	Wildlife Preserve	17	MUN
13	Sahegenet Falls Rec. Area	14	MUN
14	New Hampton Scenic Easement	6	STA
15	Lester + Edith Youst Cons. Area	6	MUN

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	42
Evergreen Forest:	17
Mixed Forest:	29
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	1	0
Local Roads (Class 4):	95	3
Railroads:	1	0
Utility Lines:	9	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	106	3

Boundary Linework

% Of site boundry which is made up of major roads: 86

MATRIX SITE: 13
NAME: Plymouth
STATE/S: NH

RANK: M
ELU GROUP: 6b Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **54**

ELEVATION SUMMARY

	Percent
0 - 800ft:	40
800 - 1700ft:	57
1700 - 2500ft:	3
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	77
Acidic Shale:	0
Calcareous mod Sedimentary:	5
Acidic Granitic / Mafic:	18
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	9
Sideslope:	29
Cove:	19
Gently Sloping Flat:	20
Dry Flat - Till / Patchy Sediment:	5
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	9
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		5
# Species:		2
# Communities:		3

STREAMS SUMMARY:

Total miles of streams in the site: **51**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	45	1
Miles of 2nd order streams:	6	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	51	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	2
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	27,715
Average normal storage of all dams in the site:	13,866
Maximum drainage area of any dams in the site:	95
Average drainage area of all dams in the site:	95

MATRIX SITE: 14 **RANK:** M

NAME: Blueberry Hill **SUBSECTION:** M212Cb Taconic Mountains

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: VT12/14: none

Logging history:

Other comments: VT12/14:Elevation range from 500 to 2,000 ft. Falls largely within VBP #32. Typical Taconics geology.

Road density:

Unique features:

Aquatic features: VT12/14: Several first-order streams.

General comments/rank: MAYBE

Landscape assessment: VT12/14:Bounded by Rte 4 to south, East Hubbarton/Monument Hill/High Pond Road to west (dirt road; forested landscape), Whipple Hollow/Fire Hill Road to east. Long Swamp and the Otter Creek Swamps complex lie just north of this block. Core is quite remote on this north-south trending ridgeline.

Ownership/ management: VT12/14: Includes Blueberry Hill WMA (1,300 acres), West Rutland SF (346 acres), Hubbardton Battlefield WMA (268 acres), TNC's High Pond Preserve (2,200 acres).

Boundary:

Cover class review:

Ecological features, EO's, Expected Communities: VT12/14: Matrix forest type = northern hardwoods. Oak common on south-facing slopes. Grassy balds near Route 4. "Twin Mountains" inventoried by Jenkins and Zika with lots of rarities.northern hardwood.

SIZE:

Total acreage of the matrix site:	**20,679**
Core acreage of the matrix site:	**18,191**

Total acreage of the matrix site:	20,679
Core acreage of the matrix site:	18,191
% Core acreage of the matrix site:	88
% Core acreage in natural cover:	90
% Core acreage in non- natural cover:	10

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 100 %

Average acreage of land blocks within the matrix site:	20,679
Maximum acreage of any land block within the matrix site:	20,679
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	20,679
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	100

Internal Land Block Size Distribution:

Acres	# Blocks
<100	
100 - 500	
500 - 1000	
1000 - 2000	
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	1

MANAGED AREAS: 17 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	5	17	3,530

15 Largest managed area parcels within site

	Name	Acres	Type
1	THE NATURE CONSERVANCY	1,635	PVT
2	BLUEBERRY HILL WILDLIFE MANAGEMENT AREA	1,283	STA
3	WEST RUTLAND STATE FOREST	346	STA
4	HUBBARDTON BATTLEFIELD WILDLIFE MANAGEMENT	264	STA
5	HUBBARDTON BATTLEFIELD AREA	2	STA

LANDCOVER SUMMARY:

Natural Cover: 87 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	65
Evergreen Forest:	15
Mixed Forest:	5
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	87

Non-Natural Cover: 13 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	9
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	13

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 1

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	13	1
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	14	1

Boundary Linework

% Of site boundry which is made up of major roads: 15

MATRIX SITE: **14**
NAME: **Blueberry Hill**
STATE/S: **VT**

RANK: **M**
ELU GROUP: **9** Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **42**

ELEVATION SUMMARY

	Percent
0 - 800ft:	27
800 - 1700ft:	66
1700 - 2500ft:	6
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	88
Acidic Shale:	0
Calcareous mod Sedimentary:	12
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	2
Upper slope / Summit:	15
Sideslope:	30
Cove:	30
Gently Sloping Flat:	8
Dry Flat - Till / Patchy Sediment:	4
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	2

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	15
# Species:	1	2
# Communities:	1	13

STREAMS SUMMARY:

Total miles of streams in the site: **12**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	11	1
Miles of 2nd order streams:	1	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	12	1

DAMS SUMMARY:

Number of dams in the matrix site: **3**
Dams / 100 miles: **25**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	50
Average normal storage of all dams in the site:	32
Maximum drainage area of any dams in the site:	13
Average drainage area of all dams in the site:	5

MATRIX SITE: 15 **RANK:** Y

NAME: Mt. Cardigan **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	unknown
Logging history:	2nd and 3rd growth. Lots of sugaring.
Other comments:	almost into White Mountains. Higher elevation
Road density:	low with one major unknown road that needs investigation (class 5 road) Rt. 118.
Unique features:	Mount Cardigan. Black mountain has interesting botanical features. Winslow Ledge and Holt's Ledge – botanical stuff. Unusual geology in Lyme. Near CT. river. In Groton a number of mines with possible bat hibernacula. Calcareous soils. Amonusic volc
Aquatic features:	small remote high elevation ponds.ok
General comments/rank:	YES regardless of road in middle. Simply make two blocks.
Landscape assessment:	just south of White Mountains. Good blocks surrounding.
Ownership/ management:	26,000 managed area. AMC may have more information. Woodlots primarily, ski area (Dartmouth)
Boundary:	
Cover class review:	95%+

Ecological features, EO's, Expected Communities: Chaetaglea moth. Lots of mesic forest. Carex bigalowiibig spruce-fir forests in high elevation. Northern hardwood.

SIZE:

Total acreage of the matrix site:	**99,796**
Core acreage of the matrix site:	**84,540**

Total acreage of the matrix site:	99,796
Core acreage of the matrix site:	84,540
% Core acreage of the matrix site:	85
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 75 %

Average acreage of land blocks within the matrix site:	2,554
Maximum acreage of any land block within the matrix site:	33,681
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	75,335
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	75

Internal Land Block Size Distribution:

Acres	# Blocks
<100	10
100 - 500	9
500 - 1000	6
1000 - 2000	6
2000 - 5000	3
5000 - 10000	2
10000 - 15000	1
15000+	2

MANAGED AREAS: 10 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	16	10	9,928

15 Largest managed area parcels within site

	Name	Acres	Type
1	Cardigan Mountain State Forest	5,511	STA
2	Cardigan	1,353	PVT
3	Province Road State Forest	1,040	STA
4	Cockermouth Forest	998	PVT
5	Sculptured Rocks Geologic Site	264	STA
6	Welton Falls State Forest	226	STA
7	Baker River Site #8	165	STA
8	Wellington State Park	118	STA
9	Crosby Mountain State Park	90	STA
10	Sudrabin Forest	62	PVT
11	Newell Lot - Rumney Town Forest	42	MUN
12	Hebron Marsh Wildlife Sanctuary	25	PVT
13	Independence Park	23	MUN
14	Rogers Property	9	MUN
15	Bristol Water Source	2	MUN

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	46
Evergreen Forest:	19
Mixed Forest:	28
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	141	1
Railroads:	0	0
Utility Lines:	13	0
4-Wheel Drive Trails	5	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	1	0
TOTAL:	160	2

Boundary Linework

% Of site boundry which is made up of major roads: 50

MATRIX SITE: 15
NAME: Mt. Cardigan
STATE/S: NH

RANK: Y
ELU GROUP: 7a Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **73**

ELEVATION SUMMARY

	Percent
0 - 800ft:	9
800 - 1700ft:	69
1700 - 2500ft:	21
2500 - 4000ft:	1
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	45
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	54
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	9
Sideslope:	28
Cove:	21
Gently Sloping Flat:	19
Dry Flat - Till / Patchy Sediment:	5
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	2
# Species:	2	
# Communities:	1	2

STREAMS SUMMARY:

Total miles of streams in the site: **184**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	129	1
Miles of 2nd order streams:	39	0
Miles of 3rd order streams:	14	0
Miles of 4th order streams:	2	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	184	2

DAMS SUMMARY:

Number of dams in the matrix site: **4**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	3
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	275
Average normal storage of all dams in the site:	180
Maximum drainage area of any dams in the site:	16
Average drainage area of all dams in the site:	6

MATRIX SITE: 16 **RANK:** MY

NAME: Bomoseen **SUBSECTION:** 221Bb Taconic Foothills

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments: VT12/14: Falls entirely within VBP #32. Typical low Taconics geology plus graywacke. Very different from other blocks in Vermont (good aquatics and lowland features, hemlock woods).

Road density: VT12/14: Fairly High

Unique features:

Aquatic features: VT12/14: Good aquatic features. Wetlands on north end of Lake Bomoseen. Inman Pond, Black Pond, Beebe Pond. Lake Hortonia (somewhat degraded).good aquatic features

General comments/rank: MAYBE - YES VT12/14: Current protection activity on west side of block (Rattlesnake Ridge). VT1/6: Yes. Good awuatic and lowland features, many EO's, best place in VT for mesic maple-ash-hickory forest (=oak hickory forest) at matrix scale, typical Low Taconics features, remote core although there may be more fragmentation (dirt roads and camps) here than other blocks.

Landscape assessment: VT12/14: Small road runs north-south through the block, leading to West Castleton. Human use picks up in summer months. West side of Lake Bomoseen is quite wild, with good connections between Rattlesnake Ridge and the surrounding landscape. Solid remote core to this block, even though it's small. At least one slate quarry has recently re-opened in this block along Scotch Hill Road.

Ownership/ management: VT12/14: Includes Bomoseen SP (3,000 acres), Half Moon SP (50 acres), Mash Pond WMA (44 acres).

Boundary:

Cover class review:

Ecological features, EO's, Expected Communities: a lot of eo's. VT12/14: Matrix forest type = mesic maple-ash-hickory, northern hardwoods. Lots of EO's including Rattlesnake Ridge. Hemlock-oak-hickory forest.hemlock-oak-hickory

SIZE:

Total acreage of the matrix site:	22,830
Core acreage of the matrix site:	17,558

Total acreage of the matrix site:	22,830
Core acreage of the matrix site:	17,558
% Core acreage of the matrix site:	77
% Core acreage in natural cover:	85
% Core acreage in non- natural cover:	15

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 43 %

Average acreage of land blocks within the matrix site:	645
Maximum acreage of any land block within the matrix site:	9,898
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	9,898
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	43

Internal Land Block Size Distribution:

Acres	# Blocks
<100	25
100 - 500	3
500 - 1000	
1000 - 2000	2
2000 - 5000	2
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 16 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	6	16	3,745

15 Largest managed area parcels within site

	Name	Acres	Type
1	BOMOSEEN STATE PARK	3,053	STA
2	FAIR HAVEN TOWN FOREST- HOWARD POND	269	MUN
3	FAIR HAVEN TOWN FOREST - INMAN POND	243	MUN
4	LOVES MARSH WILDLIFE MANAGEMENT AREA	72	STA
5	GREEN DUMP QUARRY	64	STA
6	MASH POND WILDLIFE MANAGEMENT AREA	44	STA

LANDCOVER SUMMARY:

Natural Cover: 81 %

	Percent
Open Water:	7
Transitional Barren:	0
Deciduous Forest:	36
Evergreen Forest:	27
Mixed Forest:	7
Forested Wetland:	1
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	81

Non-Natural Cover: 19 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	7
Row Crops:	12
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	19

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	57	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	59	3

Boundary Linework

% Of site boundry which is made up of major roads: 58

MATRIX SITE: 16
NAME: Bomoseen
STATE/S: VT

RANK: MY
ELU GROUP: 4a Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **30**

ELEVATION SUMMARY

	Percent
0 - 800ft:	93
800 - 1700ft:	7
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	71
Acidic Shale:	0
Calcareous mod Sedimentary:	29
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	17
Cove:	9
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	20
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	15
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	18	32
# Species:	2	8
# Communities:	16	24

STREAMS SUMMARY:

Total miles of streams in the site: **13**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	11	0
Miles of 2nd order streams:	2	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	13	1

DAMS SUMMARY:

Number of dams in the matrix site: **7**
Dams / 100 miles: **54**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	4
25 - 50	1
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	2,700
Average normal storage of all dams in the site:	682
Maximum drainage area of any dams in the site:	7
Average drainage area of all dams in the site:	3

MATRIX SITE: 17 **RANK:** MY

NAME: Waterboro Barrens **SUBSECTION:** 221Al Sebago-Ossipee Hills and Plains

STATE/S: ME

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, but singed

Logging history: fire is overriding any former forestry, state manages in strips, may be alternative to burning,

Other comments:

Road density: secondary road in middle. Moderate.

Unique features: whole area was burned in 1947

Aquatic features: coastal plain ponds, beaver flowage, acidic fens, Encompasses Buff Brook watershedmost ponds have dams and houses, some natural; water quality good.

General comments/rank: maybe-yes; good patch communities with block acting as buffer.

Landscape assessment: surrounded on three sides by rapid development, a peninsula when compared to 39 which was an island. Possibility of connection to northwest.

Ownership/ management: 2000 acres TNC AND 2000 STATE owned. Mostly small private

Boundary:

Cover class review: pine barren, forested wetland is off, oak-white pine forest. Red o

Ecological features, EO's, Expected Communities: best boreal variant pine barren in northeast. Oak-white pine,Isotria medeloides, Hemiluca maia, Zale, sp.1

SIZE:

Total acreage of the matrix site:	**35,869**
Core acreage of the matrix site:	**26,203**

Total acreage of the matrix site:	35,869
Core acreage of the matrix site:	26,203
% Core acreage of the matrix site:	73
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	619
Maximum acreage of any land block within the matrix site:	4,208
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	33
100 - 500	7
500 - 1000	5
1000 - 2000	3
2000 - 5000	9
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 20 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	20	7,229

15 Largest managed area parcels within site

	Name	Acres	Type
1	VERNON S. WALKER WMA	4,541	STA
2	WATERBORO BARRENS	2,129	PVT
3	LITTLE OSSIPEE RIVER	313	STA
4	SHAPLEIGH WOODS PRESERVE	246	PVT

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	40
Evergreen Forest:	14
Mixed Forest:	29
Forested Wetland:	8
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	9	0
Local Roads (Class 4):	90	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	6	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	106	3

Boundary Linework

% Of site boundry which is made up of major roads: 59

MATRIX SITE: 17
NAME: Waterboro Barrens
STATE/S: ME

RANK: MY
ELU GROUP: Outlier

ECOLOGICAL LAND UNITS:

Total in site: **28**

ELEVATION SUMMARY

	Percent
0 - 800ft:	96
800 - 1700ft:	4
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	79
Acidic Granitic / Mafic:	21
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	8
Cove:	3
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	9
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	18
Wet Flat / Slope Bottom:	17
Stream / River / Lake:	19

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	21	33
# Species:	13	13
# Communities:	8	20

STREAMS SUMMARY:

Total miles of streams in the site: **95**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	63	2
Miles of 2nd order streams:	13	0
Miles of 3rd order streams:	10	0
Miles of 4th order streams:	9	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	95	3

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	520
Average normal storage of all dams in the site:	313
Maximum drainage area of any dams in the site:	36
Average drainage area of all dams in the site:	19

MATRIX SITE: 18 **RANK:** MY

NAME: Massabesic North **SUBSECTION:** 221Ai Gulf of Maine Coastal Plain

STATE/S: ME

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no

Logging history: selective ongoing, 2nd and 3rd growth forest

Other comments: possible add on to core unit. Massabesic forest is a seed.

Road density: moderate

Unique features: only block in subsection in Maine.

Aquatic features: numerous wetland community eo's – A and B ranked, part of watershed.A and B ranked natural community eo's

General comments/rank: best blanding turtle and spotted turtle population north of Mt. Agamenticus. MAYBE ---MAYBE YES because of eo's and managed area

Landscape assessment: relatively isolated from other blocks on north, east, and south; rapid development in the area.

Ownership/ management: federal experimental forest – 7,000

Boundary:

Cover class review: mostly oak forest, some white pine, maple – oak.

Ecological features, EO's, Expected Communities: lots of community eo's; state rare turtles, wading birds.red maple swamps, bogs and peatlands, acidic fens, cattail marsh, oak-maple, oak-white pine.

SIZE:

Total acreage of the matrix site:	**19,615**
Core acreage of the matrix site:	**13,562**

Total acreage of the matrix site:	19,615
Core acreage of the matrix site:	13,562
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	228
Maximum acreage of any land block within the matrix site:	3,572
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	62
100 - 500	13
500 - 1000	3
1000 - 2000	1
2000 - 5000	3
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 9 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	2	9	1,809

15 Largest managed area parcels within site

	Name	Acres	Type
1	MASSABESIC EXPERIMENTAL FOREST	1,678	FED
2	BUNGANUT POND	131	MUN

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	44
Evergreen Forest:	12
Mixed Forest:	25
Forested Wetland:	6
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	73	4
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	5	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	78	4

Boundary Linework

% Of site boundry which is made up of major roads: 64

MATRIX SITE: **18**
NAME: **Massabesic North**
STATE/S: **ME**

RANK: **MY**
ELU GROUP: **2a** Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **14**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	20
Acidic Granitic / Mafic:	80
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	1
Cove:	0
Gently Sloping Flat:	15
Dry Flat - Till / Patchy Sediment:	30
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	25
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	14

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	19	22
# Species:	7	16
# Communities:	12	6

STREAMS SUMMARY:

Total miles of streams in the site: **41**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	33	2
Miles of 2nd order streams:	4	0
Miles of 3rd order streams:	4	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	41	2

DAMS SUMMARY:

Number of dams in the matrix site: **1**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	812
Average normal storage of all dams in the site:	812
Maximum drainage area of any dams in the site:	0
Average drainage area of all dams in the site:	0

MATRIX SITE: 19 **RANK:** MY

NAME: Gile State Forest **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history: portions at least were clear cut.

Other comments:

Road density: low-moderate, may be a bit higher than it should be.

Unique features:

Aquatic features:

General comments/rank: MAYBE. this area should possibly go to the northern Apps. MAYBE-YES – good core of protected lands and good wildlife.

Landscape assessment: good but growing with development

Ownership/ management: roughly 20,000 acres protected.

Boundary:

Cover class review:

Ecological features, EO's, Expected Communities: Mix of spruce\fir; red maple-aspen-birch. This area was clearcut 40-50 years ago.. it is going back to spruce-fir. This area subjected to heavy ice damage three years ago. Lots of insect damge – saddle prong catapillar. This area along with cardigan

SIZE:

Total acreage of the matrix site:	**94,085**
Core acreage of the matrix site:	**70,465**

Total acreage of the matrix site:	94,085
Core acreage of the matrix site:	70,465
% Core acreage of the matrix site:	75
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 27 %

Average acreage of land blocks within the matrix site:	610
Maximum acreage of any land block within the matrix site:	10,055
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	25,273
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	27

Internal Land Block Size Distribution:

Acres	# Blocks
<100	80
100 - 500	27
500 - 1000	21
1000 - 2000	12
2000 - 5000	8
5000 - 10000	2
10000 - 15000	1
15000+	

MANAGED AREAS: 20 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	56	20	19,217

15 Largest managed area parcels within site

	Name	Acres	Type
1	Gile State Forest	6,702	STA
2	Enfield WMA	4,163	STA
3	Webb	945	MUN
4	Webb	908	PVT
5	Grafton Pond Reservation	845	PVT
6	Grafton Pond Land Trust	637	PVT
7	French #1	477	PVT
8	McDaniels Marsh WMA	463	STA
9	Hope Forest	378	PVT
10	Quigg	349	PVT
11	Paine	344	PVT
12	Bog Mountain WMA	305	PVT
13	Morgan Pond	237	MUN
14	Enfield WMA - Contr. Envir. Corp. #2	226	STA
15	Walker	222	PVT

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	29
Evergreen Forest:	25
Mixed Forest:	30
Forested Wetland:	4
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	18	0
Local Roads (Class 4):	235	3
Railroads:	21	0
Utility Lines:	0	0
4-Wheel Drive Trails	8	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	282	3

Boundary Linework

% Of site boundry which is made up of major roads: 65

MATRIX SITE: 19
NAME: Gile State Forest
STATE/S: NH

RANK: MY
ELU GROUP: 7a — Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **60**

ELEVATION SUMMARY

	Percent
0 - 800ft:	4
800 - 1700ft:	90
1700 - 2500ft:	6
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	18
Acidic Shale:	0
Calcareous mod Sedimentary:	2
Acidic Granitic / Mafic:	80
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	20
Cove:	10
Gently Sloping Flat:	27
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	5
# Species:	1	4
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **167**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	100	1
Miles of 2nd order streams:	31	0
Miles of 3rd order streams:	25	0
Miles of 4th order streams:	6	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	5	0
Total miles of streams in the site:	167	2

DAMS SUMMARY:

Number of dams in the matrix site: **9**
Dams / 100 miles: **5**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	3
25 - 50	2
50 - 100	
100 - 250	2
250 - 500	1
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	8,332
Average normal storage of all dams in the site:	1,800
Maximum drainage area of any dams in the site:	153
Average drainage area of all dams in the site:	20

MATRIX SITE: 20 **RANK:** Y

NAME: Franklin Falls **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown; need more info on woodlands, nothing known.

Logging history: west side was agricultural. 3rd growth.

Other comments: one 15K plus block., probably had gypsy moths – unknown spraying.

Road density: low. More gravel than paved roads.

Unique features: Hersey Mt.. And Sanbonton Mt. are high points in block.

Aquatic features: Pemigewasset river – good flow and water quality.

General comments/rank: YES

Landscape assessment: looks good all around.

Ownership/ management: Franklin falls reservoir - some forestry done by the state for forest products and wildlife.; Burke-Knox New England Forestry Foundation –2,000, forestry ongoing. Duncan state forest – 112. Small private woodlots.

Boundary:

Cover class review: 0.9

Ecological features, EO's, Expected Communities: lots of riverbank assoc. communities, floodplain forest, oxbows, sandy banks; only block with a major river in the center. High energy river bank, cobble barrens, rich mesic forest.red oak northern hardwood with white pine.

SIZE:

Total acreage of the matrix site:	**25,415**
Core acreage of the matrix site:	**18,488**

Total acreage of the matrix site:	25,415
Core acreage of the matrix site:	18,488
% Core acreage of the matrix site:	73
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 64 %

Average acreage of land blocks within the matrix site:	429
Maximum acreage of any land block within the matrix site:	16,241
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	16,241
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	64

Internal Land Block Size Distribution:

Acres	# Blocks
<100	33
100 - 500	21
500 - 1000	
1000 - 2000	2
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	1

MANAGED AREAS: 14 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	10	14	3,546

15 Largest managed area parcels within site

	Name	Acres	Type
1	Franklin Falls Reservoir	2,864	STA
2	Franklin Falls Reservoir	359	FED
3	George Duncan State Forest	113	STA
4	New Hampton Fish Hatchery	95	STA
5	Egan Property	53	MUN
6	Franklin Wellfield	37	MUN
7	City of Franklin Land	10	MUN
8	Swain	7	MUN
9	Alfred Jenness Natural Area	5	MUN
10	Merrill	3	MUN

LANDCOVER SUMMARY:

Natural Cover: 90 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	32
Evergreen Forest:	22
Mixed Forest:	29
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	90

Non-Natural Cover: 10 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	7
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	10

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	60	2
Railroads:	0	0
Utility Lines:	10	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	70	3

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 20
NAME: Franklin Falls
STATE/S: NH

RANK: Y
ELU GROUP: 6b — Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **27**

ELEVATION SUMMARY

	Percent
0 - 800ft:	62
800 - 1700ft:	36
1700 - 2500ft:	1
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	100
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	22
Cove:	14
Gently Sloping Flat:	25
Dry Flat - Till / Patchy Sediment:	6
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	5
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	13

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	9	
# Species:		
# Communities:	9	

STREAMS SUMMARY:

Total miles of streams in the site: **56**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	41	2
Miles of 2nd order streams:	10	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:	1	0
Miles of 5th order streams:		
Miles of 6th order streams:	0	0
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	0	0
Total miles of streams in the site:	56	2

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **9**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	1
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	2
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	10,000
Average normal storage of all dams in the site:	2,046
Maximum drainage area of any dams in the site:	746
Average drainage area of all dams in the site:	150

MATRIX SITE: 21
NAME: Bird Mountain
STATE/S: VT

In final portfolio, boundaries changed, area SHRUNK.

RANK: M
SUBSECTION: M212Cb Taconic Mountains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: none

Logging history: VT12/14: Former agricultural land, 2nd and 3rd growth.

Other comments: VT12/14: Several large private holdings. Almost no overlap with VBP. Phusiography more knobby and lower elevation compared to Taconic Mt. blocks further south in Vermont. Taconic lithology plus carbonaceous phyllites (Hortonville formation).

Road density:

Unique features:

Aquatic features: VT12/14: Several first-order streams.

General comments/rank: maybe fragmentation VT1/6: Maybe Yes. typical knobby Low Taconics features BUT more rural fragmentation than other blocks
Chateauguay: large and unfragmented, good connections to nearby NAP matrix block BUT landscape diversity not as high as adjacent block (Arthur Davis).

Landscape assessment: VT12/14: Bounded by powerline.Rte 4A to north, Rte 133 to east, Rte 140/133 to south, and Hampshire Hollow/Pond Hill Road to west.

Ownership/ management: VT12/14: Includes Bird Mountain WMA (656 acres).

Boundary:

Cover class review:

Ecological features, EO's, Expected Communities: VT12/14: Few EO's. Peregrines on Bird Mt.. Red pine knobs, cliff and talus communities.

SIZE:

Total acreage of the matrix site:	**29,882**
Core acreage of the matrix site:	**25,442**

Total acreage of the matrix site:	29,882
Core acreage of the matrix site:	25,442
% Core acreage of the matrix site:	85
% Core acreage in natural cover:	90
% Core acreage in non- natural cover:	10

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 100 %

Average acreage of land blocks within the matrix site:	7,471
Maximum acreage of any land block within the matrix site:	23,497
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	29,872
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	100

Internal Land Block Size Distribution:

Acres	# Blocks
<100	2
100 - 500	
500 - 1000	
1000 - 2000	
2000 - 5000	
5000 - 10000	1
10000 - 15000	
15000+	1

MANAGED AREAS: 3 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	3	816

15 Largest managed area parcels within site

	Name	Acres	Type
1	BIRD MOUNTAIN WILDLIFE MANAGEMENT AREA	657	STA
2	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	158	PVT
3	TINMOUTH CHANNEL WILDLIFE MANAGEMENT AREA	0	STA

LANDCOVER SUMMARY:

Natural Cover: 86 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	64
Evergreen Forest:	14
Mixed Forest:	6
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	86

Non-Natural Cover: 14 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	10
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	14

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 1

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	4	0
Local Roads (Class 4):	29	1
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	4	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	37	1

Boundary Linework

% Of site boundry which is made up of major roads: 21

MATRIX SITE: 21
NAME: Bird Mountain
STATE/S: VT

RANK: M
ELU GROUP: 9 — Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **35**

ELEVATION SUMMARY

	Percent
0 - 800ft:	4
800 - 1700ft:	78
1700 - 2500ft:	18
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	92
Acidic Shale:	0
Calcareous mod Sedimentary:	8
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	2
Upper slope / Summit:	15
Sideslope:	28
Cove:	28
Gently Sloping Flat:	11
Dry Flat - Till / Patchy Sediment:	2
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	3

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	4	14
# Species:		4
# Communities:	4	10

STREAMS SUMMARY:

Total miles of streams in the site: **25**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	24	1
Miles of 2nd order streams:	1	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	25	1

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 22 **RANK:** Y

NAME: Arthur Davis **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, mature forest is present

Logging history: 3rd growth, timbering continues.

Other comments: VT12/14: Captures one 10,000 acre block. No overlap with VBP blobs, but this area was highlighted by Charlie Cogbill in VBP's experts map. Lots of Waits River Formation on the eastern half of the block. Elevation range from 600 to 2,500 feet. White Rocks matrix block (NAP) to northwest.

Road density: low

Unique features: panning for gold in the brooks.

Aquatic features: remote pond – no buildings. Borders Amhertst Lake and Echo Lake. Aquatic features in good condition. Ottaquechee River borders north side of block.good.

General comments/rank: YES. May be more diverse than others nearby. VT1/6: Yes. Large and unfragmented, core of current conservation land, high landscape diversity with diverse lithology including calcareous members, good complement to White Rocks matrix block (NAP) nearby.

Landscape assessment: south, north and east rural and fragmented by agriculture. Good stuff to the west but Rt 100 to large to cross. VT12/14: Bordered by Route 4 to north, Route 106 etc to east, Tyson Road to south, Route 100 to southwest, and Route 100A to northwest.

Ownership/ management: Includes Arthur Davis WMA – 7,500 acres where timber rights are owned by a private timber company and timber management decisions are made by the company, Coolidge SF – 2,000 acres recently harvested.

Boundary:

Cover class review: 95%+ natural cover

Ecological features, EO's, Expected Communities: fen areas but nothing of state significance. Also ultramafic. VT12/14: Matrix forest type = northern hardwoods. Nice rich northern hardwoods in Coolidge SF and elsewhere. Fen areas but nothing of state significance. Also ultramafic bedrock. Red pine-spruce.northern hardwood. Spruce-fir regenerating. Red-pine- spruce communities on cliffs. Some white pine stands – 10 acre patches.

SIZE:

Total acreage of the matrix site:	**33,917**
Core acreage of the matrix site:	**27,503**

Total acreage of the matrix site:	33,917
Core acreage of the matrix site:	27,503
% Core acreage of the matrix site:	81
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 72 %

Average acreage of land blocks within the matrix site:	1,539
Maximum acreage of any land block within the matrix site:	14,556
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	24,578
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	72

Internal Land Block Size Distribution:

Acres	# Blocks
<100	14
100 - 500	3
500 - 1000	
1000 - 2000	1
2000 - 5000	2
5000 - 10000	
10000 - 15000	2
15000+	

MANAGED AREAS: 32 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	7	32	10,921

15 Largest managed area parcels within site

	Name	Acres	Type
1	ARTHUR DAVIS WILDLIFE MANAGEMENT AREA	6,700	STA
2	COOLIDGE STATE FOREST	3,814	STA
3	CAMP PLYMOUTH STATE PARK	251	STA
4	WOODSTOCK TOWN FOREST (LONG HILL)	98	MUN
5	READING POND SITE	39	STA
6	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	19	PVT
7	COLBY POND SITE	0	STA

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	69
Evergreen Forest:	14
Mixed Forest:	12
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	65	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	15	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	80	2

Boundary Linework

% Of site boundry which is made up of major roads: 43

MATRIX SITE: 22
NAME: Arthur Davis
STATE/S: VT

RANK: Y
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **54**

ELEVATION SUMMARY

	Percent
0 - 800ft:	1
800 - 1700ft:	55
1700 - 2500ft:	44
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	53
Acidic Shale:	0
Calcareous mod Sedimentary:	26
Acidic Granitic / Mafic:	20
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	12
Sideslope:	32
Cove:	23
Gently Sloping Flat:	12
Dry Flat - Till / Patchy Sediment:	3
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		
# Species:		
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **49**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	33	1
Miles of 2nd order streams:	10	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:	4	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	49	1

DAMS SUMMARY:

Number of dams in the matrix site: **3**
Dams / 100 miles: **6**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	70
Average normal storage of all dams in the site:	34
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	1

MATRIX SITE: 23 **RANK:** M

NAME: Ragged Mountain **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments: one 10-15K blocks and abuts a couple of yellows that may not actually be fragmented off.

Road density:

Unique features:

Ecological features, EO's, Expected Communities: red Oak northern hardwoods.

Aquatic features:

General comments/rank: MAYBE

Landscape assessment:

Ownership/ management: Proctor academy lands managed for forestry 1400.

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**41,219**
Core acreage of the matrix site:	**31,116**

Total acreage of the matrix site:	41,219
Core acreage of the matrix site:	31,116
% Core acreage of the matrix site:	75
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 29 %

Average acreage of land blocks within the matrix site:	509
Maximum acreage of any land block within the matrix site:	12,124
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	12,124
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	29

Internal Land Block Size Distribution:

Acres	# Blocks
<100	39
100 - 500	24
500 - 1000	6
1000 - 2000	6
2000 - 5000	3
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 15 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	28	15	6,132

15 Largest managed area parcels within site

	Name	Acres	Type
1	Proctor Academy Lands	1,386	PVT
2	Ragged Mountain Fish & Game Club	799	PVT
3	Newman	726	STA
4	Ragged Mountain	697	STA
5	Wade State Forest	451	STA
6	Quimby	309	MUN
7	H. Everett Humphreys Family Tract	245	PVT
8	Taunton Hill Realty Trust	215	PVT
9	Town of Hill Land	182	MUN
10	Bernhard + Mayman	173	MUN
11	Webster Lake WMA	151	STA
12	Thompson	147	PVT
13	Hall #2	141	PVT
14	Wood, D. #1	94	PVT
15	Chamberlin	93	PVT

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	32
Evergreen Forest:	20
Mixed Forest:	34
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	96	2
Railroads:	4	0
Utility Lines:	12	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	112	3

Boundary Linework

% Of site boundry which is made up of major roads: 89

MATRIX SITE: 23
NAME: Ragged Mountain
STATE/S: NH

RANK: M
ELU GROUP: 6b — Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **54**

ELEVATION SUMMARY

	Percent
0 - 800ft:	35
800 - 1700ft:	62
1700 - 2500ft:	2
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	82
Acidic Shale:	0
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	16
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	8
Sideslope:	24
Cove:	14
Gently Sloping Flat:	22
Dry Flat - Till / Patchy Sediment:	6
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		11
# Species:		2
# Communities:		9

STREAMS SUMMARY:

Total miles of streams in the site: **89**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	65	2
Miles of 2nd order streams:	13	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:	8	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	3	0
Total miles of streams in the site:	89	2

DAMS SUMMARY:

Number of dams in the matrix site: **3**
Dams / 100 miles: **3**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	600
Average normal storage of all dams in the site:	233
Maximum drainage area of any dams in the site:	7
Average drainage area of all dams in the site:	5

MATRIX SITE: 24 **RANK:** MY

NAME: Cornish **SUBSECTION:** M212Bb Northern Connecticut River Valley

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history: continuing logging, long farm history

Other comments: very "farmy"; no big blocks, some 2000-5000 acre blocks.

Road density: roads mostly gravel, moderate.

Unique features: Ct river macrosite.

Aquatic features:

General comments/rank: MAYBE-YES – lots of farm and open lands. Big towns abutting the block on north and south end.

Landscape assessment:

Ownership/ management: 4000 acre protected lands, possibly more. Moderate roads but mostly gravel. Lots of farms and fields.

Boundary:

Cover class review: 85% natural cover.

Ecological features, EO's, Expected Communities: Blue Cohosh, goldie's fern, Ginseng. Nice rich soils. Lots associated with Ct River.mesic sugar mple, basswood, bitternut, hickor, some good cherry. More like Champlain basin forests

SIZE:

Total acreage of the matrix site:	**47,371**
Core acreage of the matrix site:	**32,387**

Total acreage of the matrix site:	47,371
Core acreage of the matrix site:	32,387
% Core acreage of the matrix site:	68
% Core acreage in natural cover:	91
% Core acreage in non- natural cover:	9

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	388
Maximum acreage of any land block within the matrix site:	4,756
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	67
100 - 500	26
500 - 1000	12
1000 - 2000	12
2000 - 5000	5
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 9 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	23	9	4,204

15 Largest managed area parcels within site

	Name	Acres	Type
1	Yatsevitch Forest	995	STA
2	Farnum Hill Reserve	712	STA
3	Goslovich	513	STA
4	Goodwin	308	STA
5	Townsend - Agric. Pres. Rest.	294	STA
6	Goodwin/Rustici	286	PVT
7	Walker	222	STA
8	Benson	131	PVT
9	Saint Gaudens National Historic Site	130	FED
10	Columbus-Jordan Land	113	STA
11	Goodwin Park	103	PVT
12	Colby	89	PVT
13	CREA Land (Cornish Recreation Area)	69	STA
14	Meadows	62	PVT
15	Townsend Land	61	MUN

LANDCOVER SUMMARY:

Natural Cover: 85 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	25
Evergreen Forest:	28
Mixed Forest:	28
Forested Wetland:	1
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	85

Non-Natural Cover: 15 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	9
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	15

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	154	3
Railroads:	2	0
Utility Lines:	21	0
4-Wheel Drive Trails	5	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	3	0
TOTAL:	185	4

Boundary Linework

% Of site boundry which is made up of major roads: 68

MATRIX SITE: 24
NAME: Cornish
STATE/S: NH

RANK: MY
ELU GROUP: 4b — Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **45**

ELEVATION SUMMARY

	Percent
0 - 800ft:	38
800 - 1700ft:	62
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	35
Acidic Shale:	0
Calcareous mod Sedimentary:	6
Acidic Granitic / Mafic:	59
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	6
Sideslope:	25
Cove:	10
Gently Sloping Flat:	26
Dry Flat - Till / Patchy Sediment:	9
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	51
# Species:		30
# Communities:	2	21

STREAMS SUMMARY:

Total miles of streams in the site: **100**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	56	1
Miles of 2nd order streams:	14	0
Miles of 3rd order streams:	21	0
Miles of 4th order streams:	1	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	7	0
Total miles of streams in the site:	100	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	2
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	170
Average normal storage of all dams in the site:	90
Maximum drainage area of any dams in the site:	194
Average drainage area of all dams in the site:	191

MATRIX SITE: 25 **RANK:** Y

NAME: Gunstock **SUBSECTION:** 221Al Sebago-Ossipee Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	some old spruce probably mature.
Logging history:	former farming mostly on west side of block. East side less so. Ongoing forestry. 2nd and 3rd growth forests.
Other comments:	one greater than 15,000 acre block and one green 5-10K block but Alton Mt. Road should not be dividing the two.
Road density:	down at 3; low.
Unique features:	unusual geology, a ringdike feature. Grus – very crumbly rock.
Aquatic features:	nice warm water ponds Manning Lake not developed much.
General comments/rank:	YES
Landscape assessment:	Winepesauke to north, Laconia to the west. Nice to south.
Ownership/ management:	8500 protected land. Hidden valley 3000 acre boy scout camp has CR – forestry ongoing. Belknap – 3000 – managed for forestry. Private ownership's are smaller. Ski area at Gunstock. Development coming in from Alton and Laconia.
Boundary:	
Cover class review:	94%+

Ecological features, EO's, Expected Communities: unknown. Rocky summit woodlands. Spruce-fir on summits. Lowbush blueberry barrens,spruce fir on high grounds; red oak hardwood forest – non-mesic.

SIZE:

Total acreage of the matrix site:	**40,481**
Core acreage of the matrix site:	**33,079**

Total acreage of the matrix site:	40,481
Core acreage of the matrix site:	33,079
% Core acreage of the matrix site:	82
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 73 %

Average acreage of land blocks within the matrix site:	702
Maximum acreage of any land block within the matrix site:	23,624
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	29,389
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	73

Internal Land Block Size Distribution:

Acres	# Blocks
<100	44
100 - 500	4
500 - 1000	3
1000 - 2000	2
2000 - 5000	1
5000 - 10000	1
10000 - 15000	
15000+	1

MANAGED AREAS: 20 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	18	20	8,091

15 Largest managed area parcels within site

	Name	Acres	Type
1	Hidden Valley, B.S.A.	3,025	STA
2	Belknap County Recreation Area	1,707	STA
3	Belknap Mountain State Forest	1,651	STA
4	Powell Associates Lot	406	STA
5	Alton Bay State Forest	214	STA
6	Etta + Leon Tilton Memorial Forest	211	PVT
7	Piper/Whiteface	156	MUN
8	Weeks	147	MUN
9	Peverly Lot	137	MUN
10	Gilmanton Town Forest	124	MUN
11	Alton Town Forest	86	MUN
12	Wood	78	PVT
13	Mount Major State Forest	77	STA
14	Westergren	22	MUN
15	Sullivan Conservation Lot	19	MUN

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	46
Evergreen Forest:	15
Mixed Forest:	25
Forested Wetland:	2
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	75	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	2	0
TOTAL:	78	2

Boundary Linework

% Of site boundry which is made up of major roads: 64

MATRIX SITE: 25
NAME: Gunstock
STATE/S: NH

RANK: Y
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **38**

ELEVATION SUMMARY

	Percent
0 - 800ft:	26
800 - 1700ft:	70
1700 - 2500ft:	4
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	45
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	55
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	8
Sideslope:	23
Cove:	16
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	11
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		7
# Species:		6
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **47**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	37	1
Miles of 2nd order streams:	6	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	2	0
Total miles of streams in the site:	47	1

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **13**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	1
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	2
25 - 50	
50 - 100	2
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,400
Average normal storage of all dams in the site:	547
Maximum drainage area of any dams in the site:	27
Average drainage area of all dams in the site:	6

MATRIX SITE: 26 **RANK:** Y

NAME: Merry Meeting Lakes **SUBSECTION:** 221Al Sebago-Ossipee Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	unknown; mature forest
Logging history:	less of an agricultural history here because higher elevation and rougher topography. 3rd and 4th growth or more.
Other comments:	invasives, two 10-15K blocks. Divided by rt. Kings Highway – local road, paved and canopy covered for large portions and just a little development.
Road density:	low (maybe moderate) mixed paved and gravel except the two larger. A number of class six trails. A number gated.
Unique features:	some neat geology; some mining. Some active low bush blueberry management on the peaks. Period burning. Ledges – ravens, turkey vultures, bobcat. Fairly uneven terrain.
Aquatic features:	headwaters of the cocheco River, number of lakes and ponds. Some of Merrymeeting marsh emergent wetland.
General comments/rank:	YES, great blue blocks.
Landscape assessment:	contiguous to south with a block NW and east chewed up.
Ownership/ management:	State F and W – 4,000, hunting and wildlife improvement cuts; Forest Society has 600+ - forest management, recreation and hunting. Large woodlot ownership.
Boundary:	
Cover class review:	0.93

Ecological features, EO's, Expected Communities: Isotria, acidic pondshore communtiy, acidic rocky summit; spruce-fir in lowlands.Pinus strobus-Quercus-Fagus alliance

SIZE:

Total acreage of the matrix site:	**49,738**
Core acreage of the matrix site:	**39,015**

Total acreage of the matrix site:	49,738
Core acreage of the matrix site:	39,015
% Core acreage of the matrix site:	78
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 42 %

Average acreage of land blocks within the matrix site:	1,333
Maximum acreage of any land block within the matrix site:	11,567
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	20,870
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	42

Internal Land Block Size Distribution:

Acres	# Blocks
<100	12
100 - 500	9
500 - 1000	3
1000 - 2000	5
2000 - 5000	5
5000 - 10000	1
10000 - 15000	1
15000+	

MANAGED AREAS: 7 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	17	7	3,564

15 Largest managed area parcels within site

	Name	Acres	Type
1	Jones Brook WMA	1,547	STA
2	Jennings Forest	358	PVT
3	Merrymeeting Marsh WMA	302	STA
4	Beaver Brook WMA	255	STA
5	Marks Memorial Forest	240	PVT
6	Seavey	236	STA
7	Eley	184	STA
8	UNH - Jones Property	156	STA
9	Powdermill Fish Hatchery	101	STA
10	Abbotts Grant - Farmington Town Forest	53	PVT
11	Middleton Park	50	MUN
12	Middleton Town Forest	31	MUN
13	New Durham Ballfield	20	MUN
14	Hoopes	14	STA
15	Milton Mills WMA	10	STA

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	39
Evergreen Forest:	11
Mixed Forest:	34
Forested Wetland:	6
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	7	0
Local Roads (Class 4):	97	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	105	2

Boundary Linework

% Of site boundry which is made up of major roads: 32

MATRIX SITE: 26
NAME: Merry Meeting Lakes
STATE/S: NH

RANK: Y
ELU GROUP: 4b Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **45**

ELEVATION SUMMARY

	Percent
0 - 800ft:	59
800 - 1700ft:	41
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	49
Acidic Shale:	0
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	48
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	6
Sideslope:	15
Cove:	9
Gently Sloping Flat:	26
Dry Flat - Till / Patchy Sediment:	22
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	7	26
# Species:	7	16
# Communities:		10

STREAMS SUMMARY:

Total miles of streams in the site: **74**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	57	1
Miles of 2nd order streams:	15	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	74	1

DAMS SUMMARY:

Number of dams in the matrix site: **7**
Dams / 100 miles: **9**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	5
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	3
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	19,500
Average normal storage of all dams in the site:	3,027
Maximum drainage area of any dams in the site:	16
Average drainage area of all dams in the site:	5

MATRIX SITE: 27 **RANK:** M

NAME: Croydon Mountain **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown.

Logging history: 2nd and 3rd growth and continuing.

Other comments:

Road density: low - moderate

Unique features: calcareous outcrops, croydon is granite. Amonusic volcanic

Aquatic features: Alasmidonta varicosa. Pretty high and dry

General comments/rank: concern about elk and boar and other non-natives. Possible restoration but serious concerns and not cooperative. MAYBE

Landscape assessment: farms around edge. Urbann and suburban edge on the southern side.

Ownership/ management: 2,400 in conservation. Corbin Game Park – 20,000 acre hunt club with boar and elk and antelope.

Boundary:

Cover class review: 90%+

Ecological features, EO's, Expected Communities: rocky summit rock outcrop. Panax quinc.northern hardwood. Big conifer forests (spruce-fir forest)

SIZE:

Total acreage of the matrix site:	**53,743**
Core acreage of the matrix site:	**43,299**

Total acreage of the matrix site:	53,743
Core acreage of the matrix site:	43,299
% Core acreage of the matrix site:	81
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 65 %

Average acreage of land blocks within the matrix site:	1,136
Maximum acreage of any land block within the matrix site:	15,580
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	34,745
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	65

Internal Land Block Size Distribution:

Acres	# Blocks
<100	23
100 - 500	12
500 - 1000	3
1000 - 2000	4
2000 - 5000	2
5000 - 10000	1
10000 - 15000	1
15000+	1

MANAGED AREAS: 4 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	10	4	2,221

15 Largest managed area parcels within site

	Name	Acres	Type
1	Flewelling	839	STA
2	Whitewater Brook Reservoir	465	MUN
3	Grantham Town Forest	447	MUN
4	Meyette	179	PVT
5	Annie Duncan State Forest	109	STA
6	Barker	59	PVT
7	Wells, B. + K.	49	PVT
8	Rice Reservoir	47	MUN
9	Yeomans	27	PVT
10	Enfield WMA	0	STA

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	34
Evergreen Forest:	29
Mixed Forest:	23
Forested Wetland:	3
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	103	2
Railroads:	0	0
Utility Lines:	6	0
4-Wheel Drive Trails	22	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	132	2

Boundary Linework

% Of site boundry which is made up of major roads: 38

MATRIX SITE: 27
NAME: Croydon Mountain
STATE/S: NH

RANK: M
ELU GROUP: 7a — Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **71**

ELEVATION SUMMARY

	Percent
0 - 800ft:	3
800 - 1700ft:	79
1700 - 2500ft:	18
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	48
Acidic Shale:	0
Calcareous mod Sedimentary:	13
Acidic Granitic / Mafic:	38
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	6
Sideslope:	22
Cove:	15
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	8
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	9
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	3
# Species:	1	2
# Communities:	1	1

STREAMS SUMMARY:

Total miles of streams in the site: **140**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	99	2
Miles of 2nd order streams:	23	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:	3	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	10	0
Total miles of streams in the site:	140	3

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	5
100 - 500 acre - feet	
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	3
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	525
Average normal storage of all dams in the site:	175
Maximum drainage area of any dams in the site:	30
Average drainage area of all dams in the site:	6

MATRIX SITE: 28
NAME: Blue Hills
STATE/S: NH

In final portfolio, boundaries changed, area GREW.

RANK: MY
SUBSECTION: 221Al Sebago-Ossipee Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unlikely; mature forest

Logging history: old farms reverted back 100 years ago; variable logging practices of varying ages. Blitzed everytime the lot changes hands.

Other comments: Invasives

Road density: Rt 126 is not very developed. Most roads are graveled. There are a lot of roads. Lots of class 6 roads are abandoned. Moderately roaded but not fragmenting.

Unique features: breeding bobcat; black bear, all mammals; marsh attracts – harrier, osprey, wood duck breeding. Bittern, rails,

Aquatic features: red oak with other hardwoods, little sugarmaple.; white pine – hemlock-beech hardwoods,Big River,

General comments/rank: Maybe-yes; a bit more development then others in the subregion. Harder to connect to other areas.

Landscape assessment: well forested all the way around divided primary roads. Fragmented to the southeast.

Ownership/ management: Lovejoy – Blue Hills foundation – 4,000 acres; lots of 100 acre private woodlots. Marry Meeting Marsh WMA, Most state lands managed for wildlife, timber and a little bit of recreation. Hunting is allowed.

Boundary:

Cover class review: 95% natural cover.

Ecological features, EO's, Expected Communities: lots of Isotria – highest concentration of any block; AWC swamp; emergent marsh – largest fresh water marsh ins tate. Acideic level fen, basin swamp; spruce-fir pockets in cold air trapped areas.

SIZE:

Total acreage of the matrix site:	**38,502**
Core acreage of the matrix site:	**29,517**

Total acreage of the matrix site:	38,502
Core acreage of the matrix site:	29,517
% Core acreage of the matrix site:	77
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	673
Maximum acreage of any land block within the matrix site:	3,110
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	18
100 - 500	15
500 - 1000	10
1000 - 2000	9
2000 - 5000	5
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 10 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	11	10	3,691

15 Largest managed area parcels within site

	Name	Acres	Type
1	Blue Hills Foundation Lands	1,610	PVT
2	Blue Hills Foundation	924	PVT
3	Blue Job WMA	607	STA
4	Blue Job State Forest	175	STA
5	Blue Job State Forest	116	STA
6	Reservoir Pond	73	MUN
7	Big River Lot - Town Forest	72	MUN
8	Grau	66	PVT
9	Whaleback Pond	29	PVT
10	Town of Strafford Land	14	MUN
11	Mad River Tract II	5	MUN

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	25
Evergreen Forest:	20
Mixed Forest:	40
Forested Wetland:	7
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	101	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	101	3

Boundary Linework

% Of site boundry which is made up of major roads: 34

MATRIX SITE: 28
NAME: Blue Hills
STATE/S: NH

RANK: MY
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **33**

ELEVATION SUMMARY

	Percent
0 - 800ft:	62
800 - 1700ft:	38
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	81
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	18
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	10
Cove:	4
Gently Sloping Flat:	39
Dry Flat - Till / Patchy Sediment:	25
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	10	8
# Species:	8	7
# Communities:	2	1

STREAMS SUMMARY:

Total miles of streams in the site: **64**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	44	1
Miles of 2nd order streams:	10	0
Miles of 3rd order streams:	10	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	64	2

DAMS SUMMARY:

Number of dams in the matrix site: **1**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	48
Average normal storage of all dams in the site:	48
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	1

MATRIX SITE: 29
NAME: Kearsarge
STATE/S: NH

RANK: Y
SUBSECTION: M212Bd Hillsboro Inland Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown

Logging history: 2nd and 3rd growth. 1000 acre clear cuts. Continuing.

Other comments: one greater than 15,000 acre block

Road density: low, no class 5 roads.

Unique features: ecological subsection boundary in block. 2900' mountain

Aquatic features: Black Water river very nice. Alas. Vari occurrences. Cascade marshgood

General comments/rank: YES

Landscape assessment: suburban to rural mixed and highways. Small towns.

Ownership/ management: 13,400 managed area by state and WMA. Reiner Woodland Conservancy. Kearsarge state forest.

Boundary:

Cover class review: 92%+

Ecological features, EO's, Expected Communities: floodplain forest, Arethusa bulbosa, many Alasmidonta varicosa., Epilobium ciliata.most diverse set of matrix communities. Everything.

SIZE:

Total acreage of the matrix site:	**45,509**
Core acreage of the matrix site:	**37,867**

Total acreage of the matrix site:	45,509
Core acreage of the matrix site:	37,867
% Core acreage of the matrix site:	83
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 40 %

Average acreage of land blocks within the matrix site:	1,505
Maximum acreage of any land block within the matrix site:	18,224
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	18,224
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	40

Internal Land Block Size Distribution:

Acres	# Blocks
<100	9
100 - 500	3
500 - 1000	7
1000 - 2000	6
2000 - 5000	4
5000 - 10000	
10000 - 15000	
15000+	1

MANAGED AREAS: 28 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	16	28	12,635

15 Largest managed area parcels within site

	Name	Acres	Type
1	Mount Kearsarge State Forest	4,865	STA
2	Blackwater Flood Control Reservoir	3,589	STA
3	Kearsarge WMA	1,036	STA
4	Reiner Woodland Conservancy	858	PVT
5	Leonard WMA	852	STA
6	Warner Town Forest	606	MUN
7	Cascade Marsh WMA	449	STA
8	Rollins State Park	121	STA
9	Knights Meadow Marsh WMA	101	STA
10	Fenton	78	PVT
11	Waite	38	PVT
12	Carter	35	MUN
13	Spearman	3	PVT
14	Town of Salisbury Land	3	MUN
15	Phelps	1	STA

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	32
Evergreen Forest:	22
Mixed Forest:	35
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	76	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	76	2

Boundary Linework

% Of site boundry which is made up of major roads: 24

MATRIX SITE: 29
NAME: Kearsarge
STATE/S: NH

RANK: Y
ELU GROUP: 7b Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **57**

ELEVATION SUMMARY

	Percent
0 - 800ft:	44
800 - 1700ft:	50
1700 - 2500ft:	5
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	25
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	75
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	17
Cove:	11
Gently Sloping Flat:	26
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	6
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	10	9
# Species:	7	7
# Communities:	3	2

STREAMS SUMMARY:

Total miles of streams in the site: **90**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	65	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:	13	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	90	2

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **7**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	3
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	3
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,300
Average normal storage of all dams in the site:	340
Maximum drainage area of any dams in the site:	16
Average drainage area of all dams in the site:	8

MATRIX SITE: 30 **RANK:** Y

NAME: Dorset Peak **SUBSECTION:** M212Cb Taconic Mountains

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: VT12/14: None, but block includes hundreds of acres of mature forest

Logging history: Mostly old farms, now 3rd and 4th growth. Timber harvest continues.

Other comments: VT12/14: Includes Dorset Mt. and Mt Aeolus. Lots of calcareous bedrock on north and south sides of Dorset Mt.. Typical High Taconics geology and topography. Southeast portion of the block lies within VBP #38. Elevation range 800 to 3,800 feet.

Road density: VT12/14: Fairly low. Inside the block, large new homes are beginning to be developed on the south side, while the north half of the block has more rural agricultural activity.

Unique features: relatively steep topography precluded farming intensely.

Aquatic features: Good, lots of seeps.good

General comments/rank: YES. VT1/6: Maybe - Yes. Typical High Taconics features, many EO's BUT block shape more linear and fragmentation more pronounced than adjacent block (Equinox).

Landscape assessment: VT12/14: Rural agriculture surrounds the block. Bordered by Route 7 on west, Morse Hill Road on south, Route 30 on southeast, Herrick Brook Road/Route 133/Brown Hill Road on west, Route 133,140 on north, township highway 24 to east. Route 133 and Danby Mountain Road cut through the center of the block and may be significant fragmenting features. Active limestone mine in the block operated by OMYA.

Ownership/ management: VT12/14: Smokey House Project (5,000 acres, private timber and education center), USFS (3,000 acres, no management), TNC's Dorset Bat Cave and Black Rock (200 acres), Vermont Land Trust (500 acres).

Boundary:

Cover class review: VT12/14: 90%+ in forested condition

Ecological features, EO's, Expected Communities: VT12/14: Matrix forest type = northern hardwoods. Lots of rich fens, lots of state rarities. Indiana and eastern small-footed bat. Did not get dry oak-hickory forest or Tinmouth Channel fen area. northern hardwoods. With some mixed\transitional. Peak spruce

SIZE:

Total acreage of the matrix site:	**50,375**
Core acreage of the matrix site:	**42,714**

Total acreage of the matrix site:	50,375
Core acreage of the matrix site:	42,714
% Core acreage of the matrix site:	85
% Core acreage in natural cover:	91
% Core acreage in non- natural cover:	9

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 90 %

Average acreage of land blocks within the matrix site:	2,398
Maximum acreage of any land block within the matrix site:	22,351
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	45,237
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	90

Internal Land Block Size Distribution:

Acres	# Blocks
<100	12
100 - 500	3
500 - 1000	1
1000 - 2000	1
2000 - 5000	1
5000 - 10000	
10000 - 15000	2
15000+	1

MANAGED AREAS: 22 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	7	22	10,916

15 Largest managed area parcels within site

	Name	Acres	Type
1	SMOKY HOUSE PROJECT	4,138	PVT
2	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	3,183	PVT
3	GREEN MOUNTAIN NATIONAL FOREST	2,965	FED
4	EMERALD LAKE STATE PARK	437	STA
5	THE NATURE CONSERVANCY	181	PVT
6	SHAW POND POND SITE	12	STA
7	VERMONT LAND TRUST	1	PVT

LANDCOVER SUMMARY:

Natural Cover: 85 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	69
Evergreen Forest:	11
Mixed Forest:	5
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	85

Non-Natural Cover: 15 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	9
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	15

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	65	1
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	15	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	80	2

Boundary Linework

% Of site boundry which is made up of major roads: 39

MATRIX SITE: 30
NAME: Dorset Peak
STATE/S: VT

RANK: Y
ELU GROUP: 9 Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **51**

ELEVATION SUMMARY

	Percent
0 - 800ft:	1
800 - 1700ft:	53
1700 - 2500ft:	36
2500 - 4000ft:	9
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	70
Acidic Shale:	0
Calcareous mod Sedimentary:	30
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	6
Upper slope / Summit:	16
Sideslope:	24
Cove:	33
Gently Sloping Flat:	9
Dry Flat - Till / Patchy Sediment:	1
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	8
Stream / River / Lake:	2

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	20	49
# Species:	9	18
# Communities:	11	31

STREAMS SUMMARY:

Total miles of streams in the site: **24**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	23	0
Miles of 2nd order streams:	1	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	24	0

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 31 **RANK:** MY

NAME: Smokeshire **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	None, but hundreds of acres of mature forest (bought before it was cut off).
Logging history:	logged, 2nd to 3rd growth and old farms
Other comments:	VT12/14: Western portion of this block lies in Northern App Ecoregion. No overlap with VBP. Lithology very diverse, includes ultramafic and carbonaceous members. Proposed talc mine. Elevation range 400 to 2,900 feet on Terrible Mountain.
Road density:	low density, one powerline, East Hill Road has canopy cover – this is a dirt road. VT12/14: Fairly high, large second homes, one powerline, East Hill Road is dirt with canopy cover
Unique features:	acidic ridges and small ultramafic features and proposed talc mine.
Aquatic features:	trout streamsgood
General comments/rank:	Maybe-Yes. VT1/6: Maybe.
Landscape assessment:	VT12/14: West is very wooded. Rural agriculture surrounds block generally. Ski area (Okemo) and town and talc mine to north. Bordered to west by Route 100, east by route 103, southeast by smaller roads, south be Route 11 and Weston-Andover Road.
Ownership/ management:	Okemo SF (2,200 acres, including 1,000 acres in natural area with lots of vernal pools and lots of diversity at high elevations), Proctor-Piper SF (660 acres), Chester Town Forest (560 acres), Vermont Land Trust (1,100 acres), private wood lots.
Boundary:	
Cover class review:	almost 98% natural cover

Ecological features, EO's, Expected Communities: VT12/14: Matrix forest type = northern hardwoods. No EO's that we are aware of. Spruce on Terrible Mountain, above 2800 ft.

SIZE:

Total acreage of the matrix site:	**28,474**
Core acreage of the matrix site:	**21,943**

Total acreage of the matrix site:	28,474
Core acreage of the matrix site:	21,943
% Core acreage of the matrix site:	77
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 58 %

Average acreage of land blocks within the matrix site:	1,424
Maximum acreage of any land block within the matrix site:	8,492
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	16,623
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	58

Internal Land Block Size Distribution:

Acres	# Blocks
<100	12
100 - 500	2
500 - 1000	
1000 - 2000	
2000 - 5000	4
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 14 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	14	3,849

15 Largest managed area parcels within site

	Name	Acres	Type
1	OKEMO STATE FOREST	2,169	STA
2	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	1,010	PVT
3	PROCTOR - PIPER STATE FOREST	659	STA
4	CHESTER TOWN FOREST	11	MUN

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	64
Evergreen Forest:	10
Mixed Forest:	19
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	56	2
Railroads:	0	0
Utility Lines:	5	0
4-Wheel Drive Trails	3	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	63	2

Boundary Linework

% Of site boundry which is made up of major roads: 36

MATRIX SITE: 31
NAME: Smokeshire
STATE/S: VT

RANK: MY
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **61**

ELEVATION SUMMARY

	Percent
0 - 800ft:	1
800 - 1700ft:	59
1700 - 2500ft:	38
2500 - 4000ft:	2
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	56
Acidic Shale:	0
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	41
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	10
Sideslope:	32
Cove:	22
Gently Sloping Flat:	15
Dry Flat - Till / Patchy Sediment:	2
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		
# Species:		
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **55**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	35	1
Miles of 2nd order streams:	15	1
Miles of 3rd order streams:	4	0
Miles of 4th order streams:	0	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	55	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	17
Average normal storage of all dams in the site:	11
Maximum drainage area of any dams in the site:	2
Average drainage area of all dams in the site:	2

MATRIX SITE: 32 **RANK:** M

NAME: Unity **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown to possible, a little managed mature.

Logging history: same.

Other comments: a lot of old farms reverting back, some large family farms, lots of unknown information, hay fields , rural quiet. Gentleman farms. Some 5-10K blocks inside.

Road density: low-moderate. a lot of back roads.

Unique features: great structural and habitat diversity. Wonderful wildlife.

Aquatic features: small ponds. Headwater of the cold river – entire watershed actually.

General comments/rank: MAYBE

Landscape assessment: borders CT, chewy with agriculture needs more information.

Ownership/ management: 8,000 acres protected.

Boundary:

Cover class review:

Ecological features, EO's, Expected Communities: multiple scirpus ancistrocatus records., spruce-fir patchessugar maple-beech-beech-white ash - basswood; near CT picking up richer soils, less oak

SIZE:

Total acreage of the matrix site:	**93,496**
Core acreage of the matrix site:	**68,922**

Total acreage of the matrix site:	93,496
Core acreage of the matrix site:	68,922
% Core acreage of the matrix site:	74
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 17 %

Average acreage of land blocks within the matrix site:	578
Maximum acreage of any land block within the matrix site:	9,289
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	15,879
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	17

Internal Land Block Size Distribution:

Acres	# Blocks
<100	75
100 - 500	45
500 - 1000	12
1000 - 2000	18
2000 - 5000	9
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 8 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	35	8	7,684

15 Largest managed area parcels within site

	Name	Acres	Type
1	Sullivan County Farm	1,292	MUN
2	Roy	1,017	STA
3	Hubbard Hill State Forest	740	STA
4	Pan Northern Co.	528	PVT
5	Bascom, H.E.	409	STA
6	Newport Watershed Protection Area	370	MUN
7	Honey Brook State Forest	308	STA
8	Francis	300	STA
9	Acworth Town Forest - Grove Lot	277	MUN
10	Sullivan County Farm - Mills Place	267	PVT
11	Bascom, K.R.B. & E.	235	STA
12	Connecticut River State Forest	228	STA
13	Lempster Town Forest - Perkins Lot	221	MUN
14	Reservoir + Watershed Protection Area	197	MUN
15	Charlestown Town Forest - Hall Pond Lot	190	MUN

LANDCOVER SUMMARY:

Natural Cover: 90 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	34
Evergreen Forest:	25
Mixed Forest:	26
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	90

Non-Natural Cover: 10 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	10

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	289	3
Railroads:	2	0
Utility Lines:	13	0
4-Wheel Drive Trails	16	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	320	3

Boundary Linework

% Of site boundry which is made up of major roads: 69

MATRIX SITE: 32
NAME: Unity
STATE/S: NH

RANK: M
ELU GROUP: 6b Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **54**

ELEVATION SUMMARY

	Percent
0 - 800ft:	14
800 - 1700ft:	84
1700 - 2500ft:	2
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	45
Acidic Shale:	0
Calcareous mod Sedimentary:	2
Acidic Granitic / Mafic:	53
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	15
Cove:	9
Gently Sloping Flat:	37
Dry Flat - Till / Patchy Sediment:	13
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	9
Stream / River / Lake:	13

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	5	20
# Species:	5	7
# Communities:		13

STREAMS SUMMARY:

Total miles of streams in the site: **284**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	200	2
Miles of 2nd order streams:	50	1
Miles of 3rd order streams:	19	0
Miles of 4th order streams:	16	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	284	3

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	5
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	1
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,980
Average normal storage of all dams in the site:	447
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	1

MATRIX SITE: 33
NAME: Minks
STATE/S: NH

RANK: M
SUBSECTION: M212Bd Hillsboro Inland Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: possible black gum and in coves.

Logging history: 2nd and 3rd growth and continuing.

Other comments:

Road density: very low. Only one road and not always passable.

Unique features: unique calcium bearing formations.

Aquatic features: swamp

General comments/rank: small but beautiful. Bunny's and Indians and sasquatch all in this block. MAYBE

Landscape assessment: squished between two blocks but with major roads seperating them. Not growable.

Ownership/ management: 4500 managed areas. Mostly small wood lots.

Boundary:

Cover class review: 92%+

Ecological features, EO's, Expected Communities: black gum- red maple, acidic level fen.red oak - hardwood mixed. About to be cut.

SIZE:

Total acreage of the matrix site:	26,797
Core acreage of the matrix site:	20,210

Total acreage of the matrix site:	26,797
Core acreage of the matrix site:	20,210
% Core acreage of the matrix site:	75
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	670
Maximum acreage of any land block within the matrix site:	4,281
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	12
100 - 500	14
500 - 1000	5
1000 - 2000	4
2000 - 5000	4
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 9 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	12	9	2,509

15 Largest managed area parcels within site

	Name	Acres	Type
1	Chandler Reservation	1,425	MUN
2	Harriman-Chandler State Forest	411	STA
3	Bear Pond	205	MUN
4	Ashendon State Forest	166	STA
5	Hopkinton-Everett Flood Control Reservoi	99	FED
6	Town of Hopkinton Land	95	MUN
7	Foster Conservancy	65	PVT
8	Warner Village Water District	22	MUN
9	Silver Lake Recreation Area	16	MUN
10	French's Park	5	PVT
11	Hopkinton-Everett Flood Control Reservoi	1	STA
12	Bagley/Stillman Clark Parcel	0	MUN

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	31
Evergreen Forest:	24
Mixed Forest:	33
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	65	2
Railroads:	0	0
Utility Lines:	3	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	68	3

Boundary Linework

% Of site boundry which is made up of major roads: 40

MATRIX SITE: 33
NAME: Minks
STATE/S: NH

RANK: M
ELU GROUP: 4b Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **46**

ELEVATION SUMMARY

	Percent
0 - 800ft:	62
800 - 1700ft:	38
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	17
Acidic Shale:	0
Calcareous mod Sedimentary:	11
Acidic Granitic / Mafic:	72
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	7
Sideslope:	21
Cove:	11
Gently Sloping Flat:	21
Dry Flat - Till / Patchy Sediment:	12
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	6
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	5	6
# Species:	2	4
# Communities:	3	2

STREAMS SUMMARY:

Total miles of streams in the site: **46**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	34	1
Miles of 2nd order streams:	8	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:	3	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	46	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,200
Average normal storage of all dams in the site:	650
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	1

MATRIX SITE: 34
NAME: Pillsbury
STATE/S: NH

In final portfolio, boundaries changed, area GREW. Correct name is Pillsbury.

RANK: Y

SUBSECTION: M212Bd Hillsboro Inland Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: yes on Sunapee – yellow birch- northern hardwood , 5 acres each.

Logging history: 2nd and 3rd growth, extensive logging in this area. 1938 storm was leveler

Other comments: some of the highest elevations in southern part of state and long ridge. A series of Monadnocks.

Road density: low, no class 5 roads

Unique features:

Aquatic features: May Pond – nesting loons. Good high energy streams. Level bog.good.

General comments/rank: need more info from Dave Paris. Good air quality. Good lichen populations. Good for neotropicals. YES

Landscape assessment: abutts other potentil blocks to south. Sunapee ski area increasing.

Ownership/ management: 16,5000 managed area mostly state. 2 state parks and 2 state forests. Otherwise private wood lots.

Boundary:

Cover class review: 95% natural cover plus

Ecological features, EO's, Expected Communities: AWC, black gum-red maple, level bog. Loons. Liparis loezelliinorthern hardwoods and hemlock.

SIZE:

Total acreage of the matrix site:	71,879
Core acreage of the matrix site:	59,282

Total acreage of the matrix site:	71,879
Core acreage of the matrix site:	59,282
% Core acreage of the matrix site:	82
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 67 %

Average acreage of land blocks within the matrix site:	1,612
Maximum acreage of any land block within the matrix site:	22,787
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	48,374
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	67

Internal Land Block Size Distribution:

Acres	# Blocks
<100	17
100 - 500	8
500 - 1000	7
1000 - 2000	6
2000 - 5000	2
5000 - 10000	2
10000 - 15000	1
15000+	1

MANAGED AREAS: 21 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	23	21	14,808

15 Largest managed area parcels within site

	Name	Acres	Type
1	Pillsbury State Park	8,436	STA
2	Sunapee State Park	2,462	STA
3	Low State Forest	1,793	STA
4	Farrar Marsh WMA	486	STA
5	Fox State Forest	337	STA
6	Sugar River Watershed Site #D2	318	STA
7	Czajkowski + Pratt	151	PVT
8	Bradford Town Forest	135	MUN
9	Chute Forest	122	PVT
10	Jessie Barton Memorial Forest	115	PVT
11	Colby Hill Forest	113	PVT
12	Bradford Bog	67	PVT
13	Washington Town Forest	65	MUN
14	Town of Hillsboro Land	55	MUN
15	Jones/Gibson	46	PVT

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	46
Evergreen Forest:	21
Mixed Forest:	24
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	126	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	126	2

Boundary Linework

% Of site boundry which is made up of major roads: 50

MATRIX SITE: 34
NAME: Pillsbury
STATE/S: NH

RANK: Y
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **60**

ELEVATION SUMMARY

	Percent
0 - 800ft:	6
800 - 1700ft:	75
1700 - 2500ft:	19
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	11
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	89
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	8
Sideslope:	23
Cove:	14
Gently Sloping Flat:	19
Dry Flat - Till / Patchy Sediment:	10
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	13

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	12
# Species:		3
# Communities:	1	9

STREAMS SUMMARY:

Total miles of streams in the site: **198**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	147	2
Miles of 2nd order streams:	27	0
Miles of 3rd order streams:	7	0
Miles of 4th order streams:	13	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	4	0
Total miles of streams in the site:	198	3

DAMS SUMMARY:

Number of dams in the matrix site: **7**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	3
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	2
25 - 50	
50 - 100	1
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	4,000
Average normal storage of all dams in the site:	836
Maximum drainage area of any dams in the site:	40
Average drainage area of all dams in the site:	9

MATRIX SITE: 35
NAME: Equinox
STATE/S: VT/NY

In final portfolio, boundaries changed, area GREW.

RANK: Y

SUBSECTION: M212Cb Taconic Mountains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: No, but hundreds of acres of mature forest.

Logging history: 2nd and 3rd growth, timber harvest continues.

Other comments: VT12/14: Taconic schist and phyllite with calcareous rock on east side of Mt Equinox. Greatest elevation range in the Taconic range, up to the top of Mt Equinox (3,800 ft). East side of the block overlaps with VBP #35.

Road density: low

Unique features: fly fishing.

Aquatic features: ponds, some natural. Lots of clean springs and seeps. Good fly fishing. very clean springs!!!!!!

General comments/rank: YES by NY and VT. VT1/6: Yes. Large and unfragmented, high diversity of communities and species, captures elecational and geologic diversity of the High Taconics, core of current conservation land.

Landscape assessment: outlet malls to the east, rural agriculture to the north. Agiculture to the west. Forest land to south, but Rt 313 dividing. VT12/14: NY portion has more rural fragmentation in the block. Bordered by outlet malls to west, rural agriculture to north, agriculture to west, forest land to south but separated by Route 313. Roads include Route 315 to northwest, West Road to northeast, 7A to southeast, and Route 313 to south.

Ownership/ management: VT12/14: TNC's Equinox Highlands Preserve (1,300 acres), Equinox Preservation Trust (900 acres, forever wild), Carthusian Monks (7,000 acres managed for timber), Merck Forest and Farmland Center (3,000 managed for timber and multiple use), Clerical Medical (2,000 acres managed for timber), USFS (500 acres), UVM Pew Forest (200 acres), Fisher-Scott Memorial Pines SP (13 acres), remainder private woodlots.

Boundary: NY12/18:2. We would like to reincorporate the "bite" taken out o

Cover class review: 95%+

Ecological features, EO's, Expected Communities: lots, fens, Carex schweinitzii, P. hillii, Myotis lebeii, CAVES, VT12/14: Matrix forest type = northern hardwoods. Lots of EO's. Fens, Carex schweinitzii, Potamogeton hillii, Myotis leibii, caves, oak-maple-transitional forest, rich northern hardwood forest, calcareous outcrops, acidic cliffs.oak – maple – transitional forest, PRIMARILY northern hardwoods. Spruce on ridgetops.

SIZE:

Total acreage of the matrix site:	62,979
Core acreage of the matrix site:	53,466

Total acreage of the matrix site:	62,979
Core acreage of the matrix site:	53,466
% Core acreage of the matrix site:	85
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 86 %

Average acreage of land blocks within the matrix site:	2,098
Maximum acreage of any land block within the matrix site:	33,885
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	54,182
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	86

Internal Land Block Size Distribution:

Acres	# Blocks
<100	19
100 - 500	2
500 - 1000	4
1000 - 2000	1
2000 - 5000	1
5000 - 10000	1
10000 - 15000	1
15000+	1

MANAGED AREAS: 6 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	8	6	3,702

15 Largest managed area parcels within site

	Name	Acres	Type
1	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	1,150	PVT
2	MOUNT EQUINOX PRESERVE	929	PVT
3	THE NATURE CONSERVANCY	689	PVT
4	GREEN MOUNTAIN NATIONAL FOREST	418	FED
5	RUPERT STATE FOREST	332	STA
6	UNIVERSITY OF VERMONT (PEW FOREST)	169	STA
7	FISHER PINES NATURAL AREA STATE PARK	13	STA
8	BATTENKILL RIVER STREAM BANK	1	STA

LANDCOVER SUMMARY:

Natural Cover: 89 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	77
Evergreen Forest:	8
Mixed Forest:	4
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	89

Non-Natural Cover: 11 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	11

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	97	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	11	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	108	2

Boundary Linework

% Of site boundry which is made up of major roads: 39

MATRIX SITE: 35
NAME: Equinox
STATE/S: VT/NY

RANK: Y
ELU GROUP: 9 Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **57**

ELEVATION SUMMARY

	Percent
0 - 800ft:	8
800 - 1700ft:	54
1700 - 2500ft:	30
2500 - 4000ft:	8
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	78
Acidic Shale:	0
Calcareous mod Sedimentary:	22
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	5
Upper slope / Summit:	16
Sideslope:	26
Cove:	31
Gently Sloping Flat:	7
Dry Flat - Till / Patchy Sediment:	1
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	9
Stream / River / Lake:	3

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	19	33
# Species:	12	20
# Communities:	7	13

STREAMS SUMMARY:

Total miles of streams in the site: **39**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	29	0
Miles of 2nd order streams:	7	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:	1	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	39	1

DAMS SUMMARY:

Number of dams in the matrix site: **4**
Dams / 100 miles: **10**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	663
Average normal storage of all dams in the site:	245
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	1

MATRIX SITE: 36 **RANK:** Y

NAME: Bear Brook **SUBSECTION:** 221Ai Gulf of Maine Coastal Plain

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	very small black gum swamp, a little hemlock –hardwood – maybe 100 years, acreage unknown
Logging history:	2nd and 3rd growth, continuing logging on small wood lots.
Other comments:	2 very large roadless area blocks – 5-10,000 acres(one), 10,000-15,000 acres(one). 2,500 acre un-managed area.
Road density:	moderate – may have increased, has class 5 roads
Unique features:	----
Aquatic features:	interesting bog ponds and interconnected wetlandsgood quality
General comments/rank:	2 best in subsection. YES
Landscape assessment:	heavily developed to the west and south. Major highway north and south. And 66 block to east.
Ownership/ management:	12,000 acres managed area. Private, town - small tracts. State – 6oo acres.
Boundary:	
Cover class review:	94%+ natural

Ecological features, EO's, Expected Communities: isotria medeloides, black gum swamp- A quality, hardwood forest.red oak – pine. Conifer patch of white pine hemlock at bear brook.

SIZE:

Total acreage of the matrix site:	51,927
Core acreage of the matrix site:	39,591

Total acreage of the matrix site:	51,927
Core acreage of the matrix site:	39,591
% Core acreage of the matrix site:	76
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 35 %

Average acreage of land blocks within the matrix site:	609
Maximum acreage of any land block within the matrix site:	10,424
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	18,347
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	35

Internal Land Block Size Distribution:

Acres	# Blocks
<100	52
100 - 500	10
500 - 1000	9
1000 - 2000	4
2000 - 5000	6
5000 - 10000	1
10000 - 15000	1
15000+	

MANAGED AREAS: 24 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	29	24	12,538

15 Largest managed area parcels within site

	Name	Acres	Type
1	Bear Brook State Park	9,125	STA
2	Northwood Meadows State Park	664	STA
3	Manchester Waterworks	501	MUN
4	Forest Peters WMA	458	STA
5	Fokas, et al.	329	STA
6	UNH - Saddleback Mountain	265	STA
7	Parsonage Lot - Town Forest	204	MUN
8	Corey WMA	178	STA
9	Smith	105	STA
10	Wells Town Forest	80	MUN
11	Jackson	75	STA
12	DOT - Epsom Scenic Easement	74	STA
13	New Boston Road Parcels	62	MUN
14	Hart Town Forest	56	MUN
15	Coe-Brown Academy Forestry Lots	52	MUN

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	36
Evergreen Forest:	18
Mixed Forest:	28
Forested Wetland:	7
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	5	0
Local Roads (Class 4):	120	2
Railroads:	0	0
Utility Lines:	6	0
4-Wheel Drive Trails	3	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	134	3

Boundary Linework

% Of site boundry which is made up of major roads: 47

MATRIX SITE: 36
NAME: Bear Brook
STATE/S: NH

RANK: Y
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **38**

ELEVATION SUMMARY

	Percent
0 - 800ft:	90
800 - 1700ft:	10
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	46
Acidic Shale:	0
Calcareous mod Sedimentary:	6
Acidic Granitic / Mafic:	48
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	9
Cove:	3
Gently Sloping Flat:	33
Dry Flat - Till / Patchy Sediment:	29
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	13	17
# Species:	11	8
# Communities:	2	9

STREAMS SUMMARY:

Total miles of streams in the site: **100**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	73	1
Miles of 2nd order streams:	14	0
Miles of 3rd order streams:	13	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	100	2

DAMS SUMMARY:

Number of dams in the matrix site: **10**
Dams / 100 miles: **10**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	1
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	2
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	6
5 - 25	2
25 - 50	
50 - 100	
100 - 250	2
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	3,240
Average normal storage of all dams in the site:	634
Maximum drainage area of any dams in the site:	240
Average drainage area of all dams in the site:	54

MATRIX SITE: 37 **RANK:** Y

NAME: Andora **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	5-10 acre pockets (45 acres at Williams Forest) northern forest (beach, birch)
Logging history:	2nd and 3rd growth. continuing
Other comments:	extensive fire history in 1940 – 1000's of acres; includes three blocks of 15,000 acre blocks by local road standards.
Road density:	low. Rt. 123 class 5 road included.
Unique features:	glacial geology and boulder field
Aquatic features:	good AWC swamp. Good trout ponds – oligotrophic.unknown
General comments/rank:	YES.
Landscape assessment:	abutting multiple blocks and wild lands.
Ownership/ management:	2,600 wildcat hollow wilderness area, 20,000 acres in managed area. Sweetwater trust tract. Multiple hundred acre tracts private
Boundary:	
Cover class review:	95% natural cover

Ecological features, EO's, Expected Communities: AWC, bald eagles, full inventory on Purse and Williams properties; 6000 acres inventoried. Mesic and transitional hardwoods.Loverens Mill AWC; a little spruce on 2000' ridges. Northern hardwoods and perhaps a little transitional hardwoods.

SIZE:

Total acreage of the matrix site:	**70,256**
Core acreage of the matrix site:	**55,441**

Total acreage of the matrix site:	70,256
Core acreage of the matrix site:	55,441
% Core acreage of the matrix site:	79
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 75 %

Average acreage of land blocks within the matrix site:	929
Maximum acreage of any land block within the matrix site:	16,397
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	52,502
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	75

Internal Land Block Size Distribution:

Acres	# Blocks
<100	51
100 - 500	12
500 - 1000	3
1000 - 2000	2
2000 - 5000	2
5000 - 10000	1
10000 - 15000	1
15000+	2

MANAGED AREAS: 28 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	25	28	19,442

15 Largest managed area parcels within site

	Name	Acres	Type
1	Andora Forest	11,581	PVT
2	Pierce Wildlife + Forest Reservation	3,344	PVT
3	Sweet Water Trust	709	PVT
4	Long Pond Town Forest	657	MUN
5	Lakefalls Associates	565	PVT
6	Washington Town Forest	476	MUN
7	Thurston V. Williams Family Forest	366	PVT
8	Clark Robinson Memorial Forest	236	PVT
9	Price	222	PVT
10	Pillsbury State Park	214	STA
11	Allison Nims Piper Memorial Forest	191	PVT
12	Daniel Upton Forest	170	PVT
13	James L. + Eleanor S. Crider Forest	136	PVT
14	Camp Morgan	119	MUN
15	Pickerel Cove	117	STA

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	48
Evergreen Forest:	20
Mixed Forest:	21
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	5	0
Local Roads (Class 4):	144	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	8	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	157	2

Boundary Linework

% Of site boundry which is made up of major roads: 50

MATRIX SITE: 37
NAME: Andora
STATE/S: NH

RANK: Y
ELU GROUP: 7a Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **41**

ELEVATION SUMMARY

	Percent
0 - 800ft:	0
800 - 1700ft:	84
1700 - 2500ft:	16
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	54
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	46
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	16
Cove:	6
Gently Sloping Flat:	35
Dry Flat - Till / Patchy Sediment:	13
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	16

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	5
# Species:		1
# Communities:	3	4

STREAMS SUMMARY:

Total miles of streams in the site: **233**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	173	2
Miles of 2nd order streams:	33	0
Miles of 3rd order streams:	19	0
Miles of 4th order streams:	8	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	0	0
Total miles of streams in the site:	233	3

DAMS SUMMARY:

Number of dams in the matrix site: **12**
Dams / 100 miles: **5**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	9
100 - 500 acre - feet	1
500 - 1000 acre - feet	2
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	4
25 - 50	1
50 - 100	
100 - 250	3
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	3,500
Average normal storage of all dams in the site:	861
Maximum drainage area of any dams in the site:	35
Average drainage area of all dams in the site:	7

MATRIX SITE: 38 **RANK:** Y

NAME: Stiles Brook **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, but hundreds of acres of mature forest

Logging history: 3rd and 4th growth. History of abuse. – everything over 10 cm dbh was harvested for pulp wood.

Other comments: One 5,000 acre parcel purchased by timber company. No overlap with VBP except along the Saxton's River. Landscape and vegetation are similar to NAP blocks

Road density: very low. VELCO power line cuts through block

Unique features: Michael Douglas owns land in this block.

Aquatic features: trout streams and beaver flowages.good.

General comments/rank: YES. VT1/6: Maybe yes. Good aquatic features (Joy Basin, Saxton's River), large and unfragmented, BUT vegetation and landscape diversity not as high as adjacent block (Glebe Mtn).

Landscape assessment: wooded rural on east and wooded around the remainder. VT12/14: Bordered to north by Popple Dungeon Road, to east by Route 35 and Townshend Road, to south by Route 35 and Route 30, to west by Baker Hill Road/Route121/Route 11.

Ownership/ management: Stiles Brook and Dick Warren's in "use value" – reduced taxes for keeping it in forestry. Private wood lots – couple hundred acres. VT12/14: Molly Beatty SF (206 acres, managed for timber), Putnam SF (150 acres). Large private acreage owned by Dick Warren in "current use." Remainder held in small private woodlots.

Boundary:

Cover class review: 97%+ natural cover.

Ecological features, EO's, Expected Communities: scirpus ancistrocatus and emergent marsh. VT12/14: Matrix forest type = northern hardwoods. Joy Basin Scirpus ancistrochaetus site and emergent marsh.northern hardwood.

SIZE:

Total acreage of the matrix site:	**37,557**
Core acreage of the matrix site:	**29,420**

Total acreage of the matrix site:	37,557
Core acreage of the matrix site:	29,420
% Core acreage of the matrix site:	78
% Core acreage in natural cover:	99
% Core acreage in non- natural cover:	1

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 65 %

Average acreage of land blocks within the matrix site:	1,252
Maximum acreage of any land block within the matrix site:	10,386
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	24,399
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	65

Internal Land Block Size Distribution:

Acres	# Blocks
<100	13
100 - 500	5
500 - 1000	4
1000 - 2000	4
2000 - 5000	1
5000 - 10000	2
10000 - 15000	1
15000+	

MANAGED AREAS: 2 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	2	648

15 Largest managed area parcels within site

	Name	Acres	Type
1	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	226	PVT
2	GRAFTON STATE FOREST	207	STA
3	W.C. PUTNAM STATE FOREST	150	STA
4	GRAFTON VILLAGE PARK	65	MUN

LANDCOVER SUMMARY:

Natural Cover: 99 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	55
Evergreen Forest:	19
Mixed Forest:	22
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	99

Non-Natural Cover: 1 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	1

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	8	0
Local Roads (Class 4):	60	2
Railroads:	0	0
Utility Lines:	10	0
4-Wheel Drive Trails	4	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	83	2

Boundary Linework

% Of site boundry which is made up of major roads: 41

MATRIX SITE: 38
NAME: Stiles Brook
STATE/S: VT

RANK: Y
ELU GROUP: 7a — Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **51**

ELEVATION SUMMARY

	Percent
0 - 800ft:	3
800 - 1700ft:	63
1700 - 2500ft:	35
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	83
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	17
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	9
Sideslope:	27
Cove:	16
Gently Sloping Flat:	20
Dry Flat - Till / Patchy Sediment:	6
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	8
# Species:	1	4
# Communities:	1	4

STREAMS SUMMARY:

Total miles of streams in the site: **75**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	57	2
Miles of 2nd order streams:	14	0
Miles of 3rd order streams:	4	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	75	2

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 39 **RANK:** MY

NAME: Glebe Mountain **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no – but mammoth oaks; mature forest on multiple hundred-acre blocks.

Logging history: 3rd and 4th growth, continuing.

Other comments: VT12/14: Good turkey habitat. Most of the block lies within VBP #41. Diverse lithology but nothing strongly carbonaceous. Geology and vegetation very different from NAP, but block sits near White Rocks matrix block. Elevation range 700 – 2,900 feet.

Road density: low, very low.

Unique features: --------

Aquatic features: VT12/14: West River with many rare species (brook floater), edge-of-range species (sycamore). Cobb Brook Class A watershed.Class A watershed

General comments/rank: MAYBE yes. VT1/6: Yes. High landscape diversity including full biophysical range from shores of West River to top of Turkey Mountain (2180 ft), good terrestrial and aquatic communities.

Landscape assessment: block to the east potential. Nice on most sites. Development and ski area to north. VT12/14: Potential block to the east. Development and Magic Mountain Ski Area to north. Several roads with large starter castles poke into block (eg Undermountain Rd). Bordered by Route 30/100 to west, Main Street/Route 11 to north, Baker Hill/Route 121 to east.

Ownership/ management: Ball Mountain Dam USCE (977 acres), Jamaica SP (750 acres, light timbering and active recreation plus Hamilton Falls Natural Area), one private holding of 2,000 acres.

Boundary:

Cover class review: 95%+

Ecological features, EO's, Expected Communities: hemlock swamp, rivershore cobble communities, C. ancocisconensis. And also state rarities. Virginia chain fern, vernal pol, sand cherry, Platanthera ….., dwarf pilberry VT12/14: Good turkey habitat. Most of the block lies within VBP #41. Diverse lithology but nothing strongly carbonaceous. Geology and vegetation very different from NAP, but block sits near White Rocks matrix block. Elevation range 700 – 2,900 feet.northern hardwood

SIZE:

Total acreage of the matrix site:	**23,811**
Core acreage of the matrix site:	**18,927**

Total acreage of the matrix site:	23,811
Core acreage of the matrix site:	18,927
% Core acreage of the matrix site:	79
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 88 %

Average acreage of land blocks within the matrix site:	949
Maximum acreage of any land block within the matrix site:	12,951
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	20,910
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	88

Internal Land Block Size Distribution:

Acres	# Blocks
<100	18
100 - 500	3
500 - 1000	2
1000 - 2000	
2000 - 5000	
5000 - 10000	1
10000 - 15000	1
15000+	

MANAGED AREAS: 8 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	8	1,824

15 Largest managed area parcels within site

	Name	Acres	Type
1	BALL MOUNTAIN DAM (USCE)	960	FED
2	JAMAICA STATE PARK	748	STA
3	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	107	PVT
4	TOWNSHEND DAM (USCE)	8	FED

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	47
Evergreen Forest:	23
Mixed Forest:	20
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	45	2
Railroads:	0	0
Utility Lines:	3	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	48	2

Boundary Linework

% Of site boundry which is made up of major roads: 48

MATRIX SITE: 39
NAME: Glebe Mountain
STATE/S: VT

RANK: MY
ELU GROUP: 7a Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **59**

ELEVATION SUMMARY

	Percent
0 - 800ft:	6
800 - 1700ft:	67
1700 - 2500ft:	23
2500 - 4000ft:	4
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	54
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	45
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	11
Sideslope:	26
Cove:	26
Gently Sloping Flat:	14
Dry Flat - Till / Patchy Sediment:	4
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	4	6
# Species:	1	3
# Communities:	3	3

STREAMS SUMMARY:

Total miles of streams in the site: **36**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	17	1
Miles of 2nd order streams:	3	0
Miles of 3rd order streams:	8	0
Miles of 4th order streams:	8	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	36	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **6**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	2
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	240
Average normal storage of all dams in the site:	190
Maximum drainage area of any dams in the site:	172
Average drainage area of all dams in the site:	88

MATRIX SITE: 40 **RANK:** MY

NAME: Pawtuckaway **SUBSECTION:** 221Ai Gulf of Maine Coastal Plain

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: Black Gum Swamp old growth – 50 acres

Logging history: 2nd and 3rd growth, continuing. Not sprayed for gypsy moth. Low percentage of plantations.

Other comments:

Road density: moderate, and one major road added.

Unique features: relatively high elevation, most southeasterly bobcat breeding. Interesting geology.

Aquatic features: large eutrophic lake, many interconnected wetlands with fingers.too many beaver in wetlands.

General comments/rank: Maybe-YES, good core to work from

Landscape assessment: Rt 43 to north is to busy to cross, abuts 62 bordered on southeast with rapid development, fairly remote - but high fragmentation in between.

Ownership/ management: 6,000 managed area. Mostly small private tracts.

Boundary:

Cover class review: 93% natural cover

Ecological features, EO's, Expected Communities: acidic rocky summit outcrop, rich mesic, dry rich forest. Chestnut oak-hickorywhite- oak- red oak, little northern hardwood.

SIZE:

Total acreage of the matrix site:	**28,659**
Core acreage of the matrix site:	**20,122**

Total acreage of the matrix site:	28,659
Core acreage of the matrix site:	20,122
% Core acreage of the matrix site:	70
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 18 %

Average acreage of land blocks within the matrix site:	360
Maximum acreage of any land block within the matrix site:	5,254
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	5,254
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	18

Internal Land Block Size Distribution:

Acres	# Blocks
<100	49
100 - 500	14
500 - 1000	4
1000 - 2000	4
2000 - 5000	4
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 25 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	20	25	7,111

15 Largest managed area parcels within site

	Name	Acres	Type
1	Pawtuckaway State Park	5,439	STA
2	Lamontagne WMA	368	STA
3	Curry	350	STA
4	Menard	231	PVT
5	Pendleton	181	STA
6	Dowst - Cate Town Forest	119	MUN
7	Jaeger	109	STA
8	School Lot - Town Forest	105	MUN
9	Burbank, H.	101	STA
10	Woodman State Forest	49	STA
11	Burbank, J. & H.	20	STA
12	Brower	10	MUN
13	Lewis Builders, Inc.	6	STA
14	Cate	5	MUN
15	Devries	4	MUN

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	21
Evergreen Forest:	22
Mixed Forest:	38
Forested Wetland:	8
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	6	0
Local Roads (Class 4):	72	3
Railroads:	0	0
Utility Lines:	14	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	92	3

Boundary Linework

% Of site boundry which is made up of major roads: 67

MATRIX SITE: 40
NAME: Pawtuckaway
STATE/S: NH

RANK: MY
ELU GROUP: 2a Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **19**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	15
Acidic Granitic / Mafic:	85
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	5
Cove:	1
Gently Sloping Flat:	27
Dry Flat - Till / Patchy Sediment:	36
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	16
Stream / River / Lake:	12

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	10	12
# Species:	5	9
# Communities:	5	3

STREAMS SUMMARY:

Total miles of streams in the site: **56**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	36	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:	11	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	56	2

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **9**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	2
25 - 50	
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	11,500
Average normal storage of all dams in the site:	3,179
Maximum drainage area of any dams in the site:	21
Average drainage area of all dams in the site:	6

MATRIX SITE: 41 **RANK:** M

NAME: Francistown **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	unknown; mature forest, yes and managed.
Logging history:	same as rest of NH
Other comments:	3 2-5,000 acre blocks, some question with roads in the interior
Road density:	feds show more roads – thee are class 6 roads. Road density should be closer t three – low. Feds showing more.
Unique features:	Crotchet ski area.
Aquatic features:	headwaters of the Pasquataquag River, floodplain forest.
General comments/rank:	MAYBE, isolation and landscape context. A bit chewy.
Landscape assessment:	a lot has been x'd out to the north east and west. South looks good.
Ownership/ management:	2,400 in various conservation;
Boundary:	
Cover class review:	87% natural cover.

Ecological features, EO's, Expected Communities: unknown; floodplain forest along the Contoocook.– privately ownedmesic red oak – hardwood forest; NH mixed hardwood –hemlock-white pine.

SIZE:

Total acreage of the matrix site:	38,035
Core acreage of the matrix site:	25,371

Total acreage of the matrix site:	38,035
Core acreage of the matrix site:	25,371
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	92
% Core acreage in non- natural cover:	8

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	275
Maximum acreage of any land block within the matrix site:	2,493
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	75
100 - 500	37
500 - 1000	12
1000 - 2000	9
2000 - 5000	3
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 6 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	26	6	2,397

15 Largest managed area parcels within site

	Name	Acres	Type
1	John & Anna King Forest	319	PVT
2	Perkins Pond WMA	288	STA
3	French #2	257	PVT
4	McCabe Forest	192	PVT
5	Poor Farm Land	162	MUN
6	Hodgdon Pasture	142	PVT
7	Hill	137	PVT
8	Alex, et al.	97	STA
9	Harrigan - Agric. Pres. Rest.	92	STA
10	Middle Branch Conservation Area	85	PVT
11	Schwaumburg Parcel - Weare Town Forest	80	MUN
12	King #1	78	PVT
13	Hersey	75	PVT
14	Hillsboro Branch - B+M Railbed	64	STA
15	King #2	61	PVT

LANDCOVER SUMMARY:

Natural Cover: 88 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	30
Evergreen Forest:	23
Mixed Forest:	26
Forested Wetland:	4
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	88

Non-Natural Cover: 12 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	7
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	12

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	124	3
Railroads:	8	0
Utility Lines:	15	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	148	4

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: 41
NAME: Francistown
STATE/S: NH

RANK: M
ELU GROUP: 4b — Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **42**

ELEVATION SUMMARY

	Percent
0 - 800ft:	48
800 - 1700ft:	52
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	34
Acidic Shale:	0
Calcareous mod Sedimentary:	6
Acidic Granitic / Mafic:	60
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	12
Cove:	5
Gently Sloping Flat:	31
Dry Flat - Till / Patchy Sediment:	21
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	15
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		7
# Species:		5
# Communities:		2

STREAMS SUMMARY:

Total miles of streams in the site: **90**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	49	1
Miles of 2nd order streams:	18	0
Miles of 3rd order streams:	9	0
Miles of 4th order streams:	11	0
Miles of 5th order streams:	3	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	90	2

DAMS SUMMARY:

Number of dams in the matrix site: **4**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	
25 - 50	
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	3,400
Average normal storage of all dams in the site:	869
Maximum drainage area of any dams in the site:	5
Average drainage area of all dams in the site:	2

MATRIX SITE: 42 **RANK:** Y

NAME: Surrey Mountain **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unlikely; mature forest managed – 1000s of acres.

Logging history: reverted farms and forestry continuing.

Other comments: one 5-10,000 acre and a 10 to 15K in the block. Also three yellow blocks at 2,500 each

Road density: very low, mixed pave and gravel 50\50

Unique features: mica mines. Gypsum mines.

Aquatic features: extensive wetlands – emergent, forested wetlands and floodplain forests..good water quality

General comments/rank: YES, especially because it abuts to large blocks with 15,000 acre cores.

Landscape assessment: large blocks to the east, highly fragmented to the south. No blocks tot he west or north.

Ownership/ management: ACOE – Surrey MTN, flood control and little forestry – 1700. Hamane Society of Untied States – 1000- wildlife sanctuary. Goose Pond Preserve – state – 700. 4000 in conservation. Some large private woodlots and many smaller.

Boundary:

Cover class review: low 90%

Ecological features, EO's, Expected Communities: talus forest – woodland, silver maple floodplain, rich mesic forest, dwarf wedge mussel. Alas. Varicosa. Possible. Patches of spruce-fir.east end had fires, lots of outwash, less of an oak pine forest than other areas. Red maple-hardwood with beech and mixed white pine\hemlock.

SIZE:

Total acreage of the matrix site:	**32,473**
Core acreage of the matrix site:	**24,714**

Total acreage of the matrix site:	32,473
Core acreage of the matrix site:	24,714
% Core acreage of the matrix site:	76
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 69 %

Average acreage of land blocks within the matrix site:	628
Maximum acreage of any land block within the matrix site:	10,780
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	22,502
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	69

Internal Land Block Size Distribution:

Acres	# Blocks
<100	37
100 - 500	3
500 - 1000	5
1000 - 2000	2
2000 - 5000	1
5000 - 10000	2
10000 - 15000	1
15000+	

MANAGED AREAS: 12 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	27	12	3,973

15 Largest managed area parcels within site

	Name	Acres	Type
1	Surry Mountain Lake	1,685	FED
2	Goose Pond Preserve	769	STA
3	Tibbetts/Blanchflower Lumber	342	PVT
4	Gardner	280	STA
5	Gilsum Woods Association Open Space	230	MUN
6	French-Harris Memorial Forest	141	PVT
7	Drummer Hill Conservation Area	130	MUN
8	Lorandeau Lot	65	PVT
9	Minister's Lot	58	MUN
10	Gardner	39	PVT
11	Hatch Lot	36	PVT
12	MacKenzie - Agric. Pres. Rest.	29	STA
13	Burroughs, M.	27	PVT
14	Tibbetts/Gilman	26	PVT
15	Tibbetts/Dick	26	PVT

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	42
Evergreen Forest:	21
Mixed Forest:	22
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	68	2
Railroads:	0	0
Utility Lines:	8	0
4-Wheel Drive Trails	5	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	81	3

Boundary Linework

% Of site boundry which is made up of major roads: 94

MATRIX SITE: 42
NAME: Surrey Mountain
STATE/S: NH

RANK: Y
ELU GROUP: 4b Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **40**

ELEVATION SUMMARY

	Percent
0 - 800ft:	16
800 - 1700ft:	84
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	57
Acidic Shale:	0
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	41
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	16
Cove:	9
Gently Sloping Flat:	31
Dry Flat - Till / Patchy Sediment:	13
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	13

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	13	
# Species:	2	
# Communities:	11	

STREAMS SUMMARY:

Total miles of streams in the site: **92**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	51	2
Miles of 2nd order streams:	15	0
Miles of 3rd order streams:	8	0
Miles of 4th order streams:	17	1
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	92	3

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **5**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	1
25 - 50	1
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,320
Average normal storage of all dams in the site:	410
Maximum drainage area of any dams in the site:	100
Average drainage area of all dams in the site:	21

Targeted Element Occurrences with Estimated Viability and Priority:

This information was provided by the Heritage Programs for LNE-NP planning purposes only - do not circulate.

SITE:	SCIENTIFIC NAME:	COMMON NAME:	EO RANK:	TARGET:	VIABLE:	PRIORITY:
	SNE FLOODPLAIN FOREST			P		
	SEMI-RICH MESIC SUGAR MAPLE-BEECH FOREST			P		
	SNE RICH MESIC FOREST			P		
	SILVER MAPLE FLOODPLAIN FOREST			P		
	SNE HIGH-ENERGY RIVERBANK COMMUNITY			P		
	NNE CIRCUMNEUTRAL TALUS FOREST/WOODLAND			P		
	SNE CIRCUMNEUTRAL TALUS FOREST/WOODLAND			P		
	SNE CIRCUMNEUTRAL TALUS FOREST/WOODLAND			P		
	NNE SEEPAGE MARSH		C	P		
	CLEMMYS INSCULPTA	WOOD TURTLE		S		
	SNE RICH MESIC FOREST			P		
ASHUELOT RIVER						
	ALASMIDONTA HETERODON	DWARF WEDGEMUSSEL	C	P	Y	A
SURRY MT.						
	SNE CIRCUMNEUTRAL TALUS FOREST/WOODLAND		C	P		

MATRIX SITE: 43 **RANK:** M

NAME: Putney Mountain **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, mature forest yes – 100s of acres.

Logging history: 3rd and 4th growth, old pasture every acre, old farms

Other comments: VT12/14: Southern portion of block lies within VBP #41. Waits River Formation on east of block; vegetation and geology are very different from NAP blocks. Elevation range 500 – 1,680 feet.

Road density: low VT12/14: fairly high

Unique features: largest scirpus ancistrocatus site in new England.

Aquatic features: beaver ponds, vernal pools, VT12/14: small frontage on West River, Grassy Brook.

General comments/rank: MAYBE

Landscape assessment: most of block was cur out. High fragmentation. VT12/14: High fragmentation. Lots of houses and development. Bordered on west by powerline, northwest by Route 35, north by Route 121, east by Westminster West Road, and south by small roads. Athens Road cuts through center, including town of Brookline. Pinnacle Hill Association is working on conservation on the Putney Mountain/Windmill Ridge Recreational Trail.

Ownership/ management: Vermont land trust - 800 acres. and private woodlots

Boundary:

Cover class review: 90%+

Ecological features, EO's, Expected Communities: scirpus ancisticatus (4 pops and largest new england site). VT12/14: Matrix forest type = northern hardwoods. Scirpus ancistrochaetus (4 populations and largest New England site), oaks on south-facing knobs northen hardwood

SIZE:

Total acreage of the matrix site:	**30,801**
Core acreage of the matrix site:	**24,361**

Total acreage of the matrix site:	30,801
Core acreage of the matrix site:	24,361
% Core acreage of the matrix site:	79
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 79 %

Average acreage of land blocks within the matrix site:	2,199
Maximum acreage of any land block within the matrix site:	15,454
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	24,415
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	79

Internal Land Block Size Distribution:

Acres	# Blocks
<100	5
100 - 500	5
500 - 1000	
1000 - 2000	1
2000 - 5000	1
5000 - 10000	1
10000 - 15000	
15000+	1

MANAGED AREAS: 3 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	7	3	969

15 Largest managed area parcels within site

	Name	Acres	Type
1	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	557	PVT
2	PINNACLE ASSOCIATION	131	PVT
3	PUTNEY TOWN FOREST	115	MUN
4	CT RIVER WATERSHED COUNCIL	94	PVT
5	TOWN OF DUMMERSTON	34	MUN
6	PUTNEY MOUNTAIN SUMMIT	27	PVT
7	PUTNEY MTN ROAD #3	10	PVT

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	47
Evergreen Forest:	18
Mixed Forest:	24
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	8
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	61	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	63	2

Boundary Linework

% Of site boundry which is made up of major roads: 14

MATRIX SITE: 43
NAME: Putney Mountain
STATE/S: VT

RANK: M
ELU GROUP: 4a — Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **47**

ELEVATION SUMMARY

	Percent
0 - 800ft:	14
800 - 1700ft:	86
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	36
Acidic Shale:	0
Calcareous mod Sedimentary:	35
Acidic Granitic / Mafic:	29
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	7
Sideslope:	28
Cove:	18
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	5
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	22
# Species:	2	10
# Communities:		12

STREAMS SUMMARY:

Total miles of streams in the site: **65**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	50	2
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	2	0
Miles of 4th order streams:	3	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	65	2

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 44 **RANK:** Y

NAME: Grass Mountain **SUBSECTION:** M212Cb Taconic Mountains

STATE/S: VT/NY

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no, mature forest – 100s of acres
Logging history:	3rd and 4th growth., NY – same.
Other comments:	15,000 acre roadless area block; NY low but not as low as VT. VT12/14: Large ownerships. No overlap with VBP. Need inventory work here. Elevation range 700 – 3,000 ft.
Road density:	low, very low, one dangling road.
Unique features:	Battenkill River on the edge to the north – premier trout streams in the country even though no fish. A1 Tubing river. Best trout fishing on the NY side. NY side has better streamside buffer. Goose Egg Hill – high point.
Aquatic features:	very dry; Battenkill on the north end – good trout stream.good.
General comments/rank:	YES, MAYBE-YES. VT1/6: Maybe - Yes. large and unfragmented, typical High Taconics features BUT landscape diversity not as high as adjacent block (Equinox).
Landscape assessment:	east, south and west bordered by heavy agriculture. North is good and wooded - potential block
Ownership/ management:	US Forest Service – shelter wood cut, small clear cuts – 3000 acres owned by forest service
Boundary:	NY12/18: 5. In the Grass Mountain block (# 44), the southern li
Cover class review:	95%+

Ecological features, EO's, Expected Communities: hillli highway. NY-unknown; sycamore patch communities.; lots of old chestnut. VT 12/14: Matrix forest type = northern hardwoods. Rich northern hardwood forest in patches. Sycamore patch communities, lots of old chestnut, red oak-sugar maple transitional forest.red oak sugarmaple transitional forest.;

SIZE:

Total acreage of the matrix site:	43,248
Core acreage of the matrix site:	37,237

Total acreage of the matrix site:	43,248
Core acreage of the matrix site:	37,237
% Core acreage of the matrix site:	86
% Core acreage in natural cover:	93
% Core acreage in non- natural cover:	7

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 88 %

Average acreage of land blocks within the matrix site:	3,089
Maximum acreage of any land block within the matrix site:	31,324
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	38,087
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	88

Internal Land Block Size Distribution:

Acres	# Blocks
<100	8
100 - 500	1
500 - 1000	
1000 - 2000	2
2000 - 5000	1
5000 - 10000	1
10000 - 15000	
15000+	1

MANAGED AREAS: 8 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	5	8	3,460

15 Largest managed area parcels within site

	Name	Acres	Type
1	Unknown Named Parcel	3,072	OTH
2	ARLINGTON STATE FOREST	210	STA
3	GREEN MOUNTAIN NATIONAL FOREST	158	FED
4	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	19	PVT
5	SHAFTSBURY STATE PARK	1	STA

LANDCOVER SUMMARY:

Natural Cover: 88 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	63
Evergreen Forest:	11
Mixed Forest:	14
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	88

Non-Natural Cover: 12 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	6
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	12

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 1

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	53	1
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	9	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	62	1

Boundary Linework

% Of site boundry which is made up of major roads: 45

MATRIX SITE: 44
NAME: Grass Mountain
STATE/S: VT/NY

RANK: Y
ELU GROUP: 9 — Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **61**

ELEVATION SUMMARY

	Percent
0 - 800ft:	15
800 - 1700ft:	68
1700 - 2500ft:	16
2500 - 4000ft:	2
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	85
Acidic Shale:	7
Calcareous mod Sedimentary:	9
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	3
Upper slope / Summit:	16
Sideslope:	27
Cove:	29
Gently Sloping Flat:	9
Dry Flat - Till / Patchy Sediment:	2
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	3

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	14
# Species:	2	6
# Communities:		8

STREAMS SUMMARY:

Total miles of streams in the site: **28**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	22	1
Miles of 2nd order streams:	3	0
Miles of 3rd order streams:		
Miles of 4th order streams:	3	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	28	1

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 45 **RANK:** M

NAME: Dovertown Forest **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no, mature forest – 100s of acres.
Logging history:	3rd and 4th growth, old pasture, timbering continues
Other comments:	VT12/14: Western half of block lies in Northern Apps Ecoregion. Most of block lies within VBP #41. Large ultramafic bedrock member, fairly high lithological diversity but nothing calcareous.
Road density:	moderate. VT12/14: Fairly high, quite fragmented. Route 100 and 30 to north and east, Dover Branch Road to south, and Route 100 to west. South Wardsboro Road cuts through the center.
Unique features:	VT12/14: John Kenneth Galbraith owns a Scirpus ancistrochaetus site here.
Aquatic features:	trout streams and beaver ponds. West river, dammedgood
General comments/rank:	awfully roaded. MAYBE
Landscape assessment:	Possible corridor to fully forested lands on west side, but east and south are rural agricultural. Forested rural on north side. Bounded by major roads
Ownership/ management:	Dover Town Forest (1,300 acres in current use program, lightly cut and used for recreation), Townshend SF (1,100 acres), Townshend Dam USCE (5 acres)
Boundary:	
Cover class review:	95%+

Ecological features, EO's, Expected Communities: Matrix forest type = northern hardwoods. Hemlock. Possible Alasmidonta varicosa in West River, floodplain forest, state rarities. northern hardwood

SIZE:

Total acreage of the matrix site:	**47,799**
Core acreage of the matrix site:	**37,274**

Total acreage of the matrix site:	47,799
Core acreage of the matrix site:	37,274
% Core acreage of the matrix site:	78
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 47 %

Average acreage of land blocks within the matrix site:	974
Maximum acreage of any land block within the matrix site:	13,083
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	22,282
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	47

Internal Land Block Size Distribution:

Acres	# Blocks
<100	29
100 - 500	5
500 - 1000	5
1000 - 2000	2
2000 - 5000	6
5000 - 10000	1
10000 - 15000	1
15000+	

MANAGED AREAS: 5 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	5	2,379

15 Largest managed area parcels within site

	Name	Acres	Type
1	DOVER TOWN FOREST	1,292	MUN
2	TOWNSHEND STATE FOREST	1,082	STA
3	TOWNSHEND DAM (USCE)	5	FED

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	52
Evergreen Forest:	18
Mixed Forest:	22
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	106	2
Railroads:	0	0
Utility Lines:	9	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	117	2

Boundary Linework

% Of site boundry which is made up of major roads:	42

MATRIX SITE: 45
NAME: Dovertown Forest
STATE/S: VT

RANK: M
ELU GROUP: 8 — High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **70**

ELEVATION SUMMARY

	Percent
0 - 800ft:	9
800 - 1700ft:	60
1700 - 2500ft:	27
2500 - 4000ft:	4
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	73
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	25
Ultramafic:	2
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	9
Sideslope:	25
Cove:	20
Gently Sloping Flat:	21
Dry Flat - Till / Patchy Sediment:	7
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	20
# Species:	1	11
# Communities:	1	9

STREAMS SUMMARY:

Total miles of streams in the site: **93**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	56	1
Miles of 2nd order streams:	15	0
Miles of 3rd order streams:	9	0
Miles of 4th order streams:	4	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	11	0
Total miles of streams in the site:	93	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	800
Average normal storage of all dams in the site:	438
Maximum drainage area of any dams in the site:	278
Average drainage area of all dams in the site:	139

MATRIX SITE: 46 **RANK:** Y

NAME: Super Sanctuary/Nubanuset Willard Pond **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: small black gum – rhododendron patch ; 1 acre. Margaret Perry Woods. NEFF – old pine stand (Thatcher Memorial Forest)

Logging history: 2nd and 3rd growth

Other comments:

Road density: two low class 5 road. Low density all other roads.

Unique features: good for all

Aquatic features: AWC swamp – 1 acre. Ponds with loons and mergansers. Louisiana water thrush breeding. Oligotrophic lakes with salmonid species. Deep water marshes. Acid fens.

General comments/rank: If not for Rt. 9, block would increase to north 2 to 3 fold. Yes.

Landscape assessment: Rt 9 to north very busy but does abut important stuff. Very wild area with big roads bounding. Except for road - loads of land to north. East and south ok but Keene, NH to West

Ownership/ management: 16,000 managed areas, moderate size tracts – private.

Boundary:

Cover class review: 90%+

In final portfolio, boundaries changed, area GREW and SPLIT into 2 blocks in July 2002.
New block #129 does not have block report.

Ecological features, EO's, Expected Communities: northern hardwood and northern red. Northern hardwood and hemlock. Transitional hardwood.bald eagle, loon, goshawk,

SIZE:

Total acreage of the matrix site:	54,932
Core acreage of the matrix site:	41,504

Total acreage of the matrix site:	54,932
Core acreage of the matrix site:	41,504
% Core acreage of the matrix site:	76
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 39 %

Average acreage of land blocks within the matrix site:	662
Maximum acreage of any land block within the matrix site:	9,387
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	21,563
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	39

Internal Land Block Size Distribution:

Acres	# Blocks
<100	45
100 - 500	11
500 - 1000	10
1000 - 2000	9
2000 - 5000	2
5000 - 10000	3
10000 - 15000	
15000+	

MANAGED AREAS: 20 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	65	20	11,258

15 Largest managed area parcels within site

	Name	Acres	Type
1	Briggs	1,988	PVT
2	Keene Watershed	1,291	MUN
3	dePierrefeu - Willard Pond Wildlife Sanc	1,037	PVT
4	French	887	PVT
5	Edward MacDowell Lake	677	FED
6	Otter Brook Lake	580	FED
7	Taves Reservation	559	PVT
8	Greengate	461	PVT
9	Louis Cabot Preserve	358	PVT
10	Campbell	294	PVT
11	Carpenters Marsh WMA	291	STA
12	Briggs/Big Woods Land	288	PVT
13	Merrill	273	STA
14	Juggernaut Pond	180	PVT
15	Kerwin	171	PVT

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	47
Evergreen Forest:	17
Mixed Forest:	24
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	12	0
Local Roads (Class 4):	119	2
Railroads:	0	0
Utility Lines:	5	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	138	3

Boundary Linework

% Of site boundry which is made up of major roads: 35

MATRIX SITE: 46
NAME: Super Sanctuary/Nubanuset Willard Pond
STATE/S: NH

RANK: Y
ELU GROUP: 6b Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **43**

ELEVATION SUMMARY

	Percent
0 - 800ft:	3
800 - 1700ft:	91
1700 - 2500ft:	6
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	34
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	66
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	18
Cove:	9
Gently Sloping Flat:	26
Dry Flat - Till / Patchy Sediment:	16
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	13

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	4	8
# Species:	1	2
# Communities:	3	6

STREAMS SUMMARY:

Total miles of streams in the site: **128**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	84	2
Miles of 2nd order streams:	20	0
Miles of 3rd order streams:	18	0
Miles of 4th order streams:	5	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	128	2

DAMS SUMMARY:

Number of dams in the matrix site: **13**
Dams / 100 miles: **10**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	6
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	2
25 - 50	3
50 - 100	3
100 - 250	4
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	4,600
Average normal storage of all dams in the site:	1,353
Maximum drainage area of any dams in the site:	47
Average drainage area of all dams in the site:	9

MATRIX SITE: 47 **RANK:** M

NAME: Lyneborough **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	unknown, mature forest yes managed –700 acre blocks.. Wilton may have something.
Logging history:	same as usual, old farms reverted, hurricane 1938 hit heavily and heavily salvage cut and the logs thrown into ponds to preserve.
Other comments:	heavily hit by 1938 Hurricane and heavily salvage cut.; one 5-10,000 in the north west corner. Three 2500-5000 acre blocks.
Road density:	one questionable road south of Crotched. Moderate; roads in the highlands are pretty bad.
Unique features:	Lyneborough hills were blueberry farmed until 20 years go.
Aquatic features:	Pasquataqua River.
General comments/rank:	MAYBE; internal development and borderline development threat area.
Landscape assessment:	block to the north looks ok. Another good one to the southwest. Block to the east knocked out. Heavy development
Ownership/ management:	mostly private, some large, municipal and New England Forestry Foundation; all doing forest management. Small private (50-100) ownership's on remainder.
Boundary:	
Cover class review:	90% natural cover.

Ecological features, EO's, Expected Communities: Alas. Varicosa; red maple-black cherry swamps.same as 72 with higher compnent of white pine; more hemlock – white pine – hardwood forest.

SIZE:

Total acreage of the matrix site:	54,569
Core acreage of the matrix site:	36,575

Total acreage of the matrix site:	54,569
Core acreage of the matrix site:	36,575
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	91
% Core acreage in non- natural cover:	9

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 11 %

Average acreage of land blocks within the matrix site:	275
Maximum acreage of any land block within the matrix site:	6,122
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	6,122
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	11

Internal Land Block Size Distribution:

Acres	# Blocks
<100	113
100 - 500	52
500 - 1000	23
1000 - 2000	5
2000 - 5000	3
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 8 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	49	8	4,553

15 Largest managed area parcels within site

	Name	Acres	Type
1	Deland	720	PVT
2	Frances Hildreth Townes Forest	581	PVT
3	Souhegan River Watershed Site #8	468	STA
4	SPNHF (King)	382	STA
5	Lamson Farm	317	STA
6	Woodland Associates Forest	186	PVT
7	Milford Fish Hatchery	168	STA
8	Merrill	157	STA
9	Hebert Lot	144	MUN
10	Brooks, S. & M.	138	PVT
11	Piscataquog WMA	129	STA
12	Souhegan River Watershed Site #33	109	STA
13	Town of Mont Vernon Land	101	MUN
14	Greenfield Town Forest	90	MUN
15	Nixon	74	PVT

LANDCOVER SUMMARY:

Natural Cover: 86 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	28
Evergreen Forest:	26
Mixed Forest:	28
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	86

Non-Natural Cover: 14 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	8
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	14

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	4	0
Local Roads (Class 4):	210	4
Railroads:	2	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	216	4

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 47
NAME: Lyneborough
STATE/S: NH

RANK: M
ELU GROUP: 6b — Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **48**

ELEVATION SUMMARY

	Percent
0 - 800ft:	60
800 - 1700ft:	39
1700 - 2500ft:	1
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	35
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	64
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	12
Cove:	6
Gently Sloping Flat:	36
Dry Flat - Till / Patchy Sediment:	18
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	7
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	3
# Species:	1	3
# Communities:	1	

STREAMS SUMMARY:

Total miles of streams in the site: **111**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	70	1
Miles of 2nd order streams:	23	0
Miles of 3rd order streams:	13	0
Miles of 4th order streams:	5	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	111	2

DAMS SUMMARY:

Number of dams in the matrix site: **7**
Dams / 100 miles: **6**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	3
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	440
Average normal storage of all dams in the site:	133
Maximum drainage area of any dams in the site:	33
Average drainage area of all dams in the site:	7

MATRIX SITE: 48 **RANK:** M

NAME: Wapack **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: probably on Temple Mountain. Mature forest – managed.

Logging history: same; 1938 hurricane hit and heavy salvage logging.

Other comments: one 5-10,000 acre block and 2 2-5000 acre blocks. Burton Pond is being conserved for watersupply by Wilton and other towns.

Road density: moderate, mixed pave and gravel and one major road sw-ne.

Unique features: Wapack Trail – recreational feature and historic cattle drives.

Aquatic features: ponds – dammed; lots of dams along the Contoocook.

General comments/rank: maybe, same reservations as 72 and 79.

Landscape assessment: good to NE and the southeast. West has barrier with roads and development.

Ownership/ management: wapack NWR 1700; state lands –950, mostly parks and mostly recreation; large complex of lots from 100-500 acres, private, mostly wooded, old family lands with light forestry.

Boundary:

Cover class review: 89% natural cover.

Ecological features, EO's, Expected Communities: none, unknown, rocky summit with stunted birch, beech. Naturally occurring red pine.same as 79 and 72; hemlock-mixed hardwood with white pine. Like NH " it defies classification"

SIZE:

Total acreage of the matrix site:	**38,068**
Core acreage of the matrix site:	**25,965**

Total acreage of the matrix site:	38,068
Core acreage of the matrix site:	25,965
% Core acreage of the matrix site:	68
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 21 %

Average acreage of land blocks within the matrix site:	291
Maximum acreage of any land block within the matrix site:	8,107
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	8,107
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	21

Internal Land Block Size Distribution:

Acres	# Blocks
<100	74
100 - 500	35
500 - 1000	11
1000 - 2000	5
2000 - 5000	2
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 12 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	44	12	4,569

15 Largest managed area parcels within site

	Name	Acres	Type
1	Wapack National Wildlife Refuge	1,699	FED
2	Miller State Park	548	STA
3	Greenfield State Park	414	STA
4	Kane	272	PVT
5	Kane Lots	179	MUN
6	Fellows	114	PVT
7	Powder Mill Pond WMA	98	STA
8	D'Addamio	98	PVT
9	Marjory Moors Memorial Forest	77	PVT
10	Robin Wheeler Lot	65	MUN
11	Simonds-Dubois - Agric. Pres. Rest.	58	STA
12	Wardwell	56	PVT
13	Young	54	PVT
14	Sand Hill Road Reservoir	51	MUN
15	Babine Lot	51	MUN

LANDCOVER SUMMARY:

Natural Cover: 90 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	29
Evergreen Forest:	26
Mixed Forest:	29
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	90

Non-Natural Cover: 10 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	10

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	6	0
Local Roads (Class 4):	121	3
Railroads:	16	0
Utility Lines:	0	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	143	4

Boundary Linework

% Of site boundry which is made up of major roads: 91

MATRIX SITE: 48
NAME: Wapack
STATE/S: NH

RANK: M
ELU GROUP: 6b — Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **45**

ELEVATION SUMMARY

	Percent
0 - 800ft:	31
800 - 1700ft:	66
1700 - 2500ft:	3
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	47
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	52
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	10
Cove:	6
Gently Sloping Flat:	30
Dry Flat - Till / Patchy Sediment:	22
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	8
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		2
# Species:		1
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **58**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	31	1
Miles of 2nd order streams:	16	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:	8	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	58	2

DAMS SUMMARY:

Number of dams in the matrix site: **13**
Dams / 100 miles: **22**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	7
100 - 500 acre - feet	4
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	7
5 - 25	5
25 - 50	
50 - 100	
100 - 250	
250 - 500	1
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	8,600
Average normal storage of all dams in the site:	759
Maximum drainage area of any dams in the site:	435
Average drainage area of all dams in the site:	46

MATRIX SITE: 49 **RANK:** Y

NAME: Monadnock **SUBSECTION:** M212Bc Sunapee Uplands

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown, mature forest 1000's in managed, some unmanaged.

Logging history: agriculture around the mountain, reverted back and now ongoing forestry on most areas.

Other comments: High ground on Monadnock is being heavily impacted by recreation – beat to hell. No invasives. One blue 10-15,000 acre block. Minimally developed around the edges.

Road density: very low, less than 3 per 1000, no roads over mountain.

Unique features: best scenic feature in south central NH. Mt. itself si a Monadnock.

Aquatic features: level bog, Stone Pond attached to level bog.

General comments/rank: YES, definitely because of its uniqueness and cultural importance.

Landscape assessment: isolated block.

Ownership/ management: Monadnock state park – 1000 acres, very intensively visited but not forestry. Forest society, 3,600; cooperative management, local input, growing recreation issues. Forest management, mixed management but light touch. Lots of 100-200 ace woodlots. West half of block is Troy watershed lands – light forestry.

Boundary:

Cover class review: 95%+

Ecological features, EO's, Expected Communities: northern level bog. Minuardia glabra on the mountain – smooth sand wort. Rocky summit community – hammered.Quercus rubra northern hardwood with reduced acer saccarum, Hemlock northern hardwood with white pine

SIZE:

Total acreage of the matrix site:	**18,220**
Core acreage of the matrix site:	**14,652**

Total acreage of the matrix site:	18,220
Core acreage of the matrix site:	14,652
% Core acreage of the matrix site:	80
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 58 %

Average acreage of land blocks within the matrix site:	859
Maximum acreage of any land block within the matrix site:	10,498
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	10,498
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	58

Internal Land Block Size Distribution:

Acres	# Blocks
<100	17
100 - 500	
500 - 1000	1
1000 - 2000	
2000 - 5000	2
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 38 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	29	38	6,877

15 Largest managed area parcels within site

	Name	Acres	Type
1	Monadnock Reservation	3,648	PVT
2	Monadnock State Park	1,020	STA
3	Jaffrey - Monadnock Lot	253	MUN
4	Stowell	219	PVT
5	Glenn #1	202	PVT
6	Meetinghouse Pond Wildlife Sanctuary	200	PVT
7	Frechette Property - Meetinghouse Pond W	172	PVT
8	Troy Water Works Land	162	MUN
9	Jaffrey Town Forest	162	MUN
10	Glenn #2	154	PVT
11	Spencer #1	132	PVT
12	Gay State Forest	116	STA
13	The Weld Forest	107	PVT
14	Kennelly	53	PVT
15	School Lease Lot	52	MUN

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	44
Evergreen Forest:	19
Mixed Forest:	27
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	32	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	32	2

Boundary Linework

% Of site boundry which is made up of major roads: 53

MATRIX SITE: 49
NAME: Monadnock
STATE/S: NH

RANK: Y
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **32**

ELEVATION SUMMARY

	Percent
0 - 800ft:	0
800 - 1700ft:	81
1700 - 2500ft:	16
2500 - 4000ft:	3
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	62
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	38
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	16
Cove:	15
Gently Sloping Flat:	27
Dry Flat - Till / Patchy Sediment:	19
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	1
# Species:		1
# Communities:	1	

STREAMS SUMMARY:

Total miles of streams in the site: **32**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	25	1
Miles of 2nd order streams:	3	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	32	2

DAMS SUMMARY:

Number of dams in the matrix site: **1**
Dams / 100 miles: **3**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	140
Average normal storage of all dams in the site:	140
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	1

MATRIX SITE: 50 **RANK:** Y

NAME: Pisgah **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	small patch – Harvard tract, no disturbance, knocked down by 1938 hurricane.
Logging history:	2nd growth, not a lot of logging activity in park in last 30 years.
Other comments:	over 25,oo local road defined roadless area block. Used to be called the Pisgah wilderness.
Road density:	low, some class 5 roads in northeast.
Unique features:	goshawk, red-shouldered hawk.
Aquatic features:	a lot of back-country ponds. Pisgah reservoir, not oligotrophic.good. Park boundaries go to the edge of sub watersheds.
General comments/rank:	YES, second largest state park in new England(?)
Landscape assessment:	good to east, Keene to north. Rt 10 on east is heavily travelled. Close to Ct. river on west.
Ownership/ management:	15,000 managed area, private woodlots.
Boundary:	
Cover class review:	93% natural cover.

Ecological features, EO's, Expected Communities: mesic transitional forest. Panx quinc, triphora triamphi. Viola nephra….extensive hemlock with red oak northern hardwood; patches of white and chestnut oak

SIZE:

Total acreage of the matrix site:	38,331
Core acreage of the matrix site:	31,480

Total acreage of the matrix site:	38,331
Core acreage of the matrix site:	31,480
% Core acreage of the matrix site:	82
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 80 %

Average acreage of land blocks within the matrix site:	972
Maximum acreage of any land block within the matrix site:	20,147
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	30,794
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	80

Internal Land Block Size Distribution:

Acres	# Blocks
<100	25
100 - 500	8
500 - 1000	1
1000 - 2000	3
2000 - 5000	
5000 - 10000	
10000 - 15000	1
15000+	1

MANAGED AREAS: 39 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	10	39	14,854

15 Largest managed area parcels within site

	Name	Acres	Type
1	Pisgah State Park	13,653	STA
2	Horatio Colony Preserve	390	PVT
3	Yale-Toumey Forest	390	PVT
4	Hinsdale Town Forest	168	MUN
5	Kelly	160	STA
6	Hall, G.	73	PVT
7	Harvard Pisgah Tract	17	PVT
8	Town Conservation Land	2	STA
9	Roberts	1	STA
10	Kingsbury	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	34
Evergreen Forest:	19
Mixed Forest:	35
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	58	2
Railroads:	6	0
Utility Lines:	8	0
4-Wheel Drive Trails	6	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	77	2

Boundary Linework

% Of site boundry which is made up of major roads: 73

MATRIX SITE: **50**
NAME: **Pisgah**
STATE/S: **NH**

RANK: **Y**
ELU GROUP: **6a** Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **32**

ELEVATION SUMMARY

	Percent
0 - 800ft:	43
800 - 1700ft:	57
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	8
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	92
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	19
Cove:	8
Gently Sloping Flat:	26
Dry Flat - Till / Patchy Sediment:	17
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	16
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	16
# Species:		1
# Communities:	1	15

STREAMS SUMMARY:

Total miles of streams in the site: **60**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	42	1
Miles of 2nd order streams:	11	0
Miles of 3rd order streams:		
Miles of 4th order streams:	0	0
Miles of 5th order streams:	7	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	60	2

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **8**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	2
25 - 50	1
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	2,800
Average normal storage of all dams in the site:	782
Maximum drainage area of any dams in the site:	7
Average drainage area of all dams in the site:	3

MATRIX SITE: 51 **RANK:** M

NAME: Rhododendron **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown, probably not

Logging history: 3rd and 4th growth, extensive cutting

Other comments:

Road density: <3.0 miles/1000 acres. Relatively low!

Unique features: Little Monadnock Mountain

Aquatic features: South Branch of Ashuelot River, small pondsrelatively high

General comments/rank: Maybe, size is smaller, shape is questionable. Does abut good block

Landscape assessment: Close to Massachusetts Line, contiguous to block 94 (part f Massachusetts), fragmented to north, Keene to north

Ownership/ management: Rhododendron State park (2,714 acres), typical state lands management; Morgan Reseserve (363 acres)—cutting on unknown rotations. Several private owners, several hundreds acres

Boundary:

Cover class review: Oak-Pine –beech, with black oak and red maple

Ecological features, EO's, Expected Communities: Ashuelot River Alismodonta heterodon, Rhododendron swamp with Black Gum

SIZE:

Total acreage of the matrix site:	**18,068**
Core acreage of the matrix site:	**14,373**

Total acreage of the matrix site:	18,068
Core acreage of the matrix site:	14,373
% Core acreage of the matrix site:	80
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 46 %

Average acreage of land blocks within the matrix site:	947
Maximum acreage of any land block within the matrix site:	8,331
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	8,331
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	46

Internal Land Block Size Distribution:

Acres	# Blocks
<100	9
100 - 500	4
500 - 1000	2
1000 - 2000	2
2000 - 5000	1
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 18 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	5	18	3,190

15 Largest managed area parcels within site

	Name	Acres	Type
1	Rhododendron State Park	2,667	STA
2	Morgan Reserve Association Open Space	288	MUN
3	Barden WMA	118	STA
4	Fitzwilliam Town Forest	68	MUN
5	Richmond Town Forest, Allen Lot	49	MUN

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	1
Transitional Barren:	1
Deciduous Forest:	38
Evergreen Forest:	20
Mixed Forest:	31
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	26	1
Railroads:	0	0
Utility Lines:	8	0
4-Wheel Drive Trails	6	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	40	2

Boundary Linework

% Of site boundry which is made up of major roads: 52

MATRIX SITE: 51
NAME: Rhododendron
STATE/S: NH

RANK: M
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **32**

ELEVATION SUMMARY

	Percent
0 - 800ft:	21
800 - 1700ft:	79
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	72
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	28
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	16
Cove:	10
Gently Sloping Flat:	32
Dry Flat - Till / Patchy Sediment:	16
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		3
# Species:		1
# Communities:		2

STREAMS SUMMARY:

Total miles of streams in the site: **41**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	22	1
Miles of 2nd order streams:	6	0
Miles of 3rd order streams:		
Miles of 4th order streams:	4	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	9	1
Total miles of streams in the site:	41	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **5**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	70
Average normal storage of all dams in the site:	50
Maximum drainage area of any dams in the site:	2
Average drainage area of all dams in the site:	1

MATRIX SITE: 52 **RANK:** M

NAME: Scott Mountain **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no; managed mature forest

Logging history: old farms reverted back – 50%; other was woodlot, 3rd growth.

Other comments: 2-3,000 acre blocks. Invasives

Road density: less than 3 – low, but roads dividing blocks is dirt.

Unique features: unknown

Ecological features, EO's, Expected Communities: unknwn; unknownPinus strobus -Quercus; hemlock hardwood.

Aquatic features: In Aschuelot watershed. Dwarf wedge mussel.

General comments/rank: maybe; only route 32 divides it from block 86 to east which is great.

Landscape assessment: sandwiched between blocks to east, west and south. North is developed.

Ownership/ management: small 200 acre managed lands, 1,500, Bill Sandry, estate, forestry and the property, otherwise 100-300 acre woodlots.

Boundary:

Cover class review: 95%+

SIZE:

Total acreage of the matrix site:	**16,733**
Core acreage of the matrix site:	**13,367**

Total acreage of the matrix site:	16,733
Core acreage of the matrix site:	13,367
% Core acreage of the matrix site:	80
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	1,285
Maximum acreage of any land block within the matrix site:	4,999
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	4
100 - 500	3
500 - 1000	1
1000 - 2000	2
2000 - 5000	3
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 2 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	2	405

15 Largest managed area parcels within site

	Name	Acres	Type
1	Goss Woods	189	PVT
2	Town Conservation Land	153	STA
3	Taylor-Newell Lot - Richmond Town Forest	59	MUN
4	Sheperdson Lot - Richmond Town Forest	4	MUN

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	39
Evergreen Forest:	18
Mixed Forest:	33
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	24	1
Railroads:	0	0
Utility Lines:	5	0
4-Wheel Drive Trails	4	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	33	2

Boundary Linework

% Of site boundry which is made up of major roads: 63

MATRIX SITE: **52**
NAME: **Scott Mountain**
STATE/S: **NH**

RANK: **M**
ELU GROUP: **6a** Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **29**

ELEVATION SUMMARY

	Percent
0 - 800ft:	42
800 - 1700ft:	58
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	2
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	98
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	10
Sideslope:	22
Cove:	15
Gently Sloping Flat:	18
Dry Flat - Till / Patchy Sediment:	9
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	15
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		2
# Species:		1
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **35**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	21	1
Miles of 2nd order streams:	11	1
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	35	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **6**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,130
Average normal storage of all dams in the site:	665
Maximum drainage area of any dams in the site:	6
Average drainage area of all dams in the site:	4

MATRIX SITE: 53
NAME: Rensselaer Plateau north
STATE/S: NY

In final portfolio, boundaries changed, area SHRUNK.

RANK: Y
SUBSECTION: M212Cb Taconic Mountains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	NY12/8:tiny parcels on steep banks/escarpments, mature forest mostly in wetland pockets. Keeps getting logged off.
Logging history:	same, old sheep farms repeatedly cut during last 100 years.
Other comments:	NY12/8: mining threats (1 mine, 1 proposed, 1 sold to mining co.) Greywacke extra-hard bedrock specified in highway construction projects. Slide mountain vulnerable because lots of exposed rock. RPI owns some land in block. Logger Gundrum logs off large tract then sells.
Road density:	low. Dirt roads, probably mostly logging roads. Ecologically connected to block to south. NY12/8:County Route 87 is fairly heavily traveled, paved road.
Unique features:	mining threats are "Graywack" related – extra hard rock., vernal pools.
Aquatic features:	Quackenkill – good trout stream.shoreline development on most waterbodies.
General comments/rank:	YES; development threats on waterbodies, large logging pressure. This area was heavily charcoaling. Priority area for state protection.
Landscape assessment:	east and south look good. West and north is not good looking.
Ownership/ management:	private woodlots. State – 2000 acres, DEC – 1200, no other protected lands, some timber companies – 4,000 acres. NY12/8: Grafton Lakes State Park 2,000 ac., Pittstown State Forest 1,200 ac.
Boundary:	
Cover class review:	90% natural cover

Ecological features, EO's, Expected Communities: lots of more northern patch communities but nothing in database. Spruce-fir swamps, dwarf shrub bog, tamarack bog. Sedge meadows, talus caves, calcareous talus slope. NY12/8:Patches of maple-basswood-rich mesic forest (5008). Matrix forest: on northern 1 mile wide escarpment band, 60% Appalachian oak-hickory (6336), 30% Appalachian oak pine (6293). On central plateau, 60% beech-maple mesic forest, 30% northern hardwood forest (6019/6129). northern hardwood, hemlock – hardwood., red oak drops away.

SIZE:

Total acreage of the matrix site:	33,528
Core acreage of the matrix site:	24,713

Total acreage of the matrix site:	33,528
Core acreage of the matrix site:	24,713
% Core acreage of the matrix site:	74
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 17 %

Average acreage of land blocks within the matrix site:	496
Maximum acreage of any land block within the matrix site:	5,643
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	5,643
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	17

Internal Land Block Size Distribution:

Acres	# Blocks
<100	37
100 - 500	14
500 - 1000	6
1000 - 2000	6
2000 - 5000	3
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 5 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	5	1,706

15 Largest managed area parcels within site

	Name	Acres	Type
1	GRAFTON LAKES STATE PARK	1,706	STA

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	40
Evergreen Forest:	26
Mixed Forest:	23
Forested Wetland:	2
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	89	3
Railroads:	0	0
Utility Lines:	6	0
4-Wheel Drive Trails	0	0
Foot Trails:	0	0
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	95	3

Boundary Linework

% Of site boundry which is made up of major roads:	75

MATRIX SITE: 53
NAME: Rensselaer Plateau north
STATE/S: NY

RANK: Y
ELU GROUP: 10 Mid elevation shale and sedimentary, little granite

ECOLOGICAL LAND UNITS:

Total in site: **44**

ELEVATION SUMMARY

	Percent
0 - 800ft:	23
800 - 1700ft:	78
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	57
Acidic Shale:	42
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	6
Sideslope:	18
Cove:	12
Gently Sloping Flat:	29
Dry Flat - Till / Patchy Sediment:	20
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	4

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		7
# Species:		
# Communities:		7

STREAMS SUMMARY:

Total miles of streams in the site: **28**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	24	1
Miles of 2nd order streams:	4	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	28	1

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **18**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	5
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	3
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,702
Average normal storage of all dams in the site:	495
Maximum drainage area of any dams in the site:	2
Average drainage area of all dams in the site:	0

MATRIX SITE: 54 **RANK:** MY

NAME: Snowhole **SUBSECTION:** M212Cb Taconic Mountains

STATE/S: MA/NY/VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, mature forest, NY 12/8 : probable in NY, on NY steeper slopes, MA maybe on Williams Forest.

Logging history: NY 12/8 : Cowee has logged heavily and selectively VT12/14: Heavily logged for tannery and for charcoal production historically, Cowee logs heavily.

Other comments: VT12/14: VT portion lies within VBP #36. Taconics lithology plus carbonaceous phyllites and limestone on eastern edge.

Road density: very low. NY 12/8 : Route 346/RR/Hoosic River/ag valley very fragmenting

Unique features: Snow Hole and White Rocks have quartz outcroppings.

Aquatic features: VT 12/14: Little Hoosic River. (Hoosic River largely excised from block due to development and mining along its banks.)

General comments/rank: MAYBE- YES VT1/6: Maybe - Yes. Typical Taconics lithology plus calcareous members, sole block in VT with red oak-northern hardwoods as matrix forest BUT long-linear shape along ridgeline.

Landscape assessment: good block to the south and west, north and east highly developed in immediate valley but than good block immediately after. VT12/14: Rural agriculture and development around the edges.

Ownership/ management: Williams College – 200 acres, NY State lands=NYS Taconic Ridge State Forest:4,000 acres – state forest and conservation easement for timber companies. Recreation. Cowee owns land And management rights. Taconic Trail State Park – 600. VT12/14: Hopkins Forest owned by Williams College (200 acres), NY DEC (4,000 acres owned and logged by Cowee Co but state holds a recreation and conservation easement), Taconic Trail State Park (600 acres), Fitch Memorial Woodlands managed by Williamstown Rural Lands Foundation.

Boundary: NY12/18: In the Snowhole block (new #54), the Hoosic River-R

Cover class review: 0.95

Ecological features, EO's, Expected Communities: Vermont and NY has small patch calcareous communities – all right on the edge of block. Flodplain forest. NY12/8: northern hardwood, Appalachian oak-hickory, maple-beech rich mesic forest in coves, red cedar rocky summits. Matrix forest types: beech-maple mesic forest (6252) in ridge interfluve, Appalachian oak-pine (6293) at mid-elevations, oak-beech forest with little or no pine (AOP?), and oak-maple beech on upper slopes (6173?). VT12/14: Matrix foresty type = northern hardwoods (in VT). Rich woods. Hemlock patches. Pitch pine forest, chestnut oak-dry oak forest/woodland.northern hardwood.

SIZE:

Total acreage of the matrix site:	**41,893**
Core acreage of the matrix site:	**29,975**

Total acreage of the matrix site:	41,893
Core acreage of the matrix site:	29,975
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	83
% Core acreage in non- natural cover:	17

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 35 %

Average acreage of land blocks within the matrix site:	317
Maximum acreage of any land block within the matrix site:	14,755
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	14,755
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	35

Internal Land Block Size Distribution:

Acres	# Blocks
<100	100
100 - 500	16
500 - 1000	8
1000 - 2000	4
2000 - 5000	3
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 3 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	5	3	1,127

15 Largest managed area parcels within site

	Name	Acres	Type
1	TACONIC TRAIL STATE PARK	631	STA
2	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	472	PVT
3	Unknown Named Parcel	16	STA
4	Unknown Named Parcel	4	OTH
5	MARGARET LINDLEY PARK	4	MUN

LANDCOVER SUMMARY:

Natural Cover: 74 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	52
Evergreen Forest:	9
Mixed Forest:	11
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	74

Non-Natural Cover: 26 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	2
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	10
Row Crops:	10
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	26

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	7	0
Local Roads (Class 4):	105	3
Railroads:	19	0
Utility Lines:	16	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	148	4

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 54
NAME: Snowhole
STATE/S: MA/NY/VT

RANK: MY
ELU GROUP: 9 Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **70**

ELEVATION SUMMARY

	Percent
0 - 800ft:	31
800 - 1700ft:	59
1700 - 2500ft:	10
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	65
Acidic Shale:	9
Calcareous mod Sedimentary:	26
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	12
Sideslope:	25
Cove:	24
Gently Sloping Flat:	15
Dry Flat - Till / Patchy Sediment:	4
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	5

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	8	10
# Species:	2	3
# Communities:	6	7

STREAMS SUMMARY:

Total miles of streams in the site: **51**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	27	1
Miles of 2nd order streams:	2	0
Miles of 3rd order streams:	6	0
Miles of 4th order streams:	16	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	51	1

DAMS SUMMARY:

Number of dams in the matrix site: **3**
Dams / 100 miles: **6**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	2
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	490
Average normal storage of all dams in the site:	209
Maximum drainage area of any dams in the site:	224
Average drainage area of all dams in the site:	150

MATRIX SITE: 55 **RANK:** MY

NAME: Mason-Townsend **SUBSECTION:** 221Ai Gulf of Maine Coastal Plain

STATE/S: NH/MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	unknown; mature forest- managed.
Logging history:	yes, old farm reverted. Hit by 1938 hurricane – salvage logged heavily. 3rd growth or worse.
Other comments:	one 5-10,000 acre core. A couple of 2-5,000 acre blocks. Stacks of mountain laurel-everywhere.
Road density:	moderate, but assume some are non-roads. Not a lot in Mason.
Unique features:	Souhegan River – sycamore floodplain? Mason has many old granite quarries.
Aquatic features:	Lake Potion?? – old ice pond.
General comments/rank:	MAYBE –YES, more hope because of wildness of Mason and townsend state forest. MASON - this town is on the development threat frontier – intrigued on remorteness of Mason but Brookline next door developing rapidly.
Landscape assessment:	Brookline developing quickly to the east. West is mixed rural. 91 is a southern peninusla to blocks to north though not abutting. No where to go in MA.
Ownership/ management:	Townsend State Forest ma – 2,800, light forestry. Russel-Abbott Forest – 862, remainder are state and private 200-300. Remainder private in 50-100 acre blocks.
Boundary:	
Cover class review:	90%natural cover.

Ecological features, EO's, Expected Communities: basin swamp, and central hardwood forest on till. ; chestnut oak on ridges.pinus strobus-oak-fagus

SIZE:

Total acreage of the matrix site:	**40,724**
Core acreage of the matrix site:	**26,688**

Total acreage of the matrix site:	40,724
Core acreage of the matrix site:	26,688
% Core acreage of the matrix site:	66
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 13 %

Average acreage of land blocks within the matrix site:	268
Maximum acreage of any land block within the matrix site:	5,475
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	5,475
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	13

Internal Land Block Size Distribution:

Acres	# Blocks
<100	90
100 - 500	36
500 - 1000	17
1000 - 2000	5
2000 - 5000	2
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 15 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	59	15	5,955

15 Largest managed area parcels within site

	Name	Acres	Type
1	TOWNSEND STATE FOREST	2,840	STA
2	Russell-Abbott State Forest	862	STA
3	Harlan Burns Forest	208	PVT
4	Tucker Brook Town Forest	205	STA
5	Stephens	200	PVT
6	H.E. Fletcher Liquidating Trust	161	STA
7	Hitchiner Town Forest	154	MUN
8	Heald Tract	112	PVT
9	Holland	107	MUN
10	Palmer Conservation Land	81	MUN
11	Conrey	80	MUN
12	Stewart	73	PVT
13	Taylor	72	MUN
14	Town of Mason Land	71	MUN
15	Mason RR Bed Trail	66	STA

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	1
Transitional Barren:	1
Deciduous Forest:	34
Evergreen Forest:	18
Mixed Forest:	32
Forested Wetland:	4
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	2
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	5	0
Local Roads (Class 4):	148	4
Railroads:	10	0
Utility Lines:	7	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	172	4

Boundary Linework

% Of site boundry which is made up of major roads: 99

MATRIX SITE: 55
NAME: Mason-Townsend
STATE/S: NH/MA

RANK: MY
ELU GROUP: 2b Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **33**

ELEVATION SUMMARY

	Percent
0 - 800ft:	91
800 - 1700ft:	9
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	3
Acidic Shale:	0
Calcareous mod Sedimentary:	6
Acidic Granitic / Mafic:	91
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	7
Cove:	2
Gently Sloping Flat:	43
Dry Flat - Till / Patchy Sediment:	19
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	8
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	5
# Species:		2
# Communities:	3	3

STREAMS SUMMARY:

Total miles of streams in the site: **79**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	49	1
Miles of 2nd order streams:	14	0
Miles of 3rd order streams:	12	0
Miles of 4th order streams:	0	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	3	0
Total miles of streams in the site:	79	2

DAMS SUMMARY:

Number of dams in the matrix site: **7**
Dams / 100 miles: **9**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	5
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	7
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	98
Average normal storage of all dams in the site:	75
Maximum drainage area of any dams in the site:	7
Average drainage area of all dams in the site:	3

MATRIX SITE: 56 **RANK:** Y

NAME: Monroe **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: VT/MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: yes, definitely, mature forest large percentage. VT12/14: none in VT

Logging history: 2nd and 3rd growth and old farms.

Other comments: No overlap with VBP. Hoosac formation schists and phyllites.

Road density: mixed pave and gravel, low

Unique features:

Aquatic features: Deerfield River, Fife Brook and Dunber Brook,Deerfield heavily managed.

General comments/rank: YES, look at 95 to be adjoined possibly (like a possible trailer park).crossing the road is not an issue (Rt. 8a to Heath). VT1/6: No only portion of this block that's intact enough to function as a matrix block lies in the NAP ecoregion, fragmented by powerlines, hydro dams, and an atomic power plant.

Landscape assessment: great. VT12/14: High rural fragmentation in this part of VT.

Ownership/ management: 16,000 acres protected, hill farms, selective logging, recreation. Dead nuclear plant being dismantled. VT12/14: Atherton Meadows WMA (800 acres)

Boundary:

Cover class review: 93%+

Ecological features, EO's, Expected Communities: Serpentine outcrop, Moehringia macrophila. Fife Brook and Dumber Brook old growth. Talc geology, Triamphora.northern hardwood

SIZE:

Total acreage of the matrix site:	**101,582**
Core acreage of the matrix site:	**74,162**

Total acreage of the matrix site:	101,582
Core acreage of the matrix site:	74,162
% Core acreage of the matrix site:	73
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 33 %

Average acreage of land blocks within the matrix site:	467
Maximum acreage of any land block within the matrix site:	11,068
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	33,096
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	33

Internal Land Block Size Distribution:

Acres	# Blocks
<100	117
100 - 500	47
500 - 1000	25
1000 - 2000	11
2000 - 5000	7
5000 - 10000	3
10000 - 15000	1
15000+	

MANAGED AREAS: 16 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	12	16	16,394

15 Largest managed area parcels within site

	Name	Acres	Type
1	GREEN MOUNTAIN NATIONAL FOREST	7,669	FED
2	MONROE STATE FOREST	4,053	STA
3	Unknown Named Parcel	1,152	STA
4	PELHAM LAKE PARK	883	MUN
5	ATHERTON MEADOWS WILDLIFE MANAGEMENT AREA	800	STA
6	MOHAWK TRAIL STATE FOREST	751	STA
7	FLORIDA STATE FOREST	432	STA
8	READSBORO COMMUNITY FOREST	375	MUN
9	CONSERVATION LAND	244	PVT
10	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	25	PVT
11	Unknown Named Parcel	8	PVT
12	WEST BR. DEERFIELD	2	STA

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	60
Evergreen Forest:	10
Mixed Forest:	15
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	13	0
Local Roads (Class 4):	255	3
Railroads:	11	0
Utility Lines:	55	1
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	336	3

Boundary Linework

% Of site boundry which is made up of major roads: 95

MATRIX SITE: 56
NAME: Monroe
STATE/S: VT/MA

RANK: Y
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **83**

ELEVATION SUMMARY

	Percent
0 - 800ft:	3
800 - 1700ft:	46
1700 - 2500ft:	48
2500 - 4000ft:	4
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	75
Acidic Shale:	0
Calcareous mod Sedimentary:	2
Acidic Granitic / Mafic:	23
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	2
Upper slope / Summit:	9
Sideslope:	22
Cove:	19
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	8
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		1
# Species:		
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **130**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	86	1
Miles of 2nd order streams:	21	0
Miles of 3rd order streams:	13	0
Miles of 4th order streams:	9	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	1	0
Total miles of streams in the site:	130	1

DAMS SUMMARY:

Number of dams in the matrix site: **24**
Dams / 100 miles: **18**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	10
100 - 500 acre - feet	1
500 - 1000 acre - feet	6
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	6
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	1

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	5
25 - 50	9
50 - 100	
100 - 250	
250 - 500	6
500 - 1000	
1000 - 25000	1

Maximum normal storage of any dams in the site:	318,000
Average normal storage of all dams in the site:	15,259
Maximum drainage area of any dams in the site:	2,039
Average drainage area of all dams in the site:	131

MATRIX SITE: 57 **RANK:** M

NAME: Satans Kingdom **SUBSECTION:** 221Af Lower Connecticut River Valley

STATE/S: MA/VT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no true old growth, good mature forests – some, mostly not.VT12/14: 2nd and 3rd growth

Logging history: 2nd and 3rd growth assumed.

Other comments: exotics – no big invasions, just odds and ends. VT12/14: VT portion entirely within VBP #41. Schist and phyllite bedrock, low elevation and warm climate, different from anyplace else in VT.

Road density: "strangely road free."

Unique features: lots patch communities

Aquatic features: great 4-500 year old Nyssa swamps

General comments/rank: MAYBE. Concerns – size, but no concern about fragmentation. Nuclear plant is just to the north. VT1/6: Maybe. Good aquatic features (basin swamps), captures low elevation landscape, many communities and species at the northern edge of their range BUT small block with fragmentation.

Landscape assessment: island in toast. VT12/14: East side of block is residential in VT, west side is Route 91

Ownership/ management: a lot of DFW – WMA 4-5,000 acres. VT12/14: Roaring Brook WMA (?? acres, recently logged), Vernon Town Forest

Boundary:

Cover class review: 90%+ natural cover.

Ecological features, EO's, Expected Communities: Black ash swmaps, rich mesic forests, ginseng, botrichyum VT12/14: Matrix forest type = ?? Buttonbush basin swamps, black ash swamps, rich woods, mixed hardwoods with hemlock, lots of state rarities at northern edge of range.mixed hardwood with hemlock

SIZE:

Total acreage of the matrix site:	19,179
Core acreage of the matrix site:	13,785

Total acreage of the matrix site:	19,179
Core acreage of the matrix site:	13,785
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	93
% Core acreage in non- natural cover:	7

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 66 %

Average acreage of land blocks within the matrix site:	831
Maximum acreage of any land block within the matrix site:	6,825
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	12,582
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	66

Internal Land Block Size Distribution:

Acres	# Blocks
<100	11
100 - 500	5
500 - 1000	4
1000 - 2000	
2000 - 5000	1
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 19 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	11	19	3,624

15 Largest managed area parcels within site

	Name	Acres	Type
1	ROARING BROOK WILDLIFE MANAGEMENT AREA	1,298	STA
2	SATANS KINGDOM WMA	1,190	STA
3	VERNON TOWN FOREST	464	MUN
4	NORTHFIELD STATE FOREST	246	STA
5	SATANS KINGDOM CONSERV. RESTR.	167	PVT
6	CHARITY FARM	85	MUN
7	PRIVATE - VERMONT LAND TRUST EASEMENT(S)	74	PVT
8	TOWN OF VERNON	47	MUN
9	BRUCE	27	MUN
10	VERNON HATCHERY POND SITE	15	STA
11	Unknown Named Parcel	10	PVT

LANDCOVER SUMMARY:

Natural Cover: 86 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	32
Evergreen Forest:	18
Mixed Forest:	27
Forested Wetland:	6
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	86

Non-Natural Cover: 14 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	3
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	2
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	14

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	7	0
Local Roads (Class 4):	41	2
Railroads:	0	0
Utility Lines:	4	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	55	3

Boundary Linework

% Of site boundry which is made up of major roads: 54

MATRIX SITE: 57
NAME: Satans Kingdom
STATE/S: MA/VT

RANK: M
ELU GROUP: 3b Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: **29**

ELEVATION SUMMARY

	Percent
0 - 800ft:	77
800 - 1700ft:	23
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	70
Acidic Shale:	0
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	26
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	17
Cove:	11
Gently Sloping Flat:	25
Dry Flat - Till / Patchy Sediment:	12
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	8
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	4	7
# Species:	1	1
# Communities:	3	6

STREAMS SUMMARY:

Total miles of streams in the site: **37**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	28	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	37	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **5**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	50
Average normal storage of all dams in the site:	48
Maximum drainage area of any dams in the site:	2
Average drainage area of all dams in the site:	1

MATRIX SITE: 58 **RANK:** M

NAME: Lake Watatick **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: strong probability, 50% - 70% mature

Logging history: 2nd and 3rd growth

Other comments:

Road density: high and paved

Unique features:

Ecological features, EO's, Expected Communities: oak-pine forest, lots of hemlock and white pine, spruce along bogs.

Aquatic features: loon, odontates, bogs good, dwarf mistletoe,cluster of natural pondsdeveloped in large part.

General comments/rank: maybe, largely unknown but a lot of roads

Landscape assessment: Mt. Watatick to the northeast

Ownership/ management: DEM – 1700, Millers River WMA – 100 acres

Boundary:

Cover class review: 89% natural cover

SIZE:

Total acreage of the matrix site:	**18,076**
Core acreage of the matrix site:	**10,706**

Total acreage of the matrix site:	18,076
Core acreage of the matrix site:	10,706
% Core acreage of the matrix site:	59
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	164
Maximum acreage of any land block within the matrix site:	1,915
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	72
100 - 500	21
500 - 1000	5
1000 - 2000	5
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 12 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	12	2,088

15 Largest managed area parcels within site

	Name	Acres	Type
1	ASHBURNHAM STATE FOREST	1,202	STA
2	ASHBURNHAM SF - HARTSHORN	510	PVT
3	TOWN FOREST	277	MUN
4	MILLERS RIVER WMA	100	STA

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	9
Transitional Barren:	0
Deciduous Forest:	25
Evergreen Forest:	21
Mixed Forest:	26
Forested Wetland:	10
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	2
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 5

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	85	5
Railroads:	3	0
Utility Lines:	4	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	93	5

Boundary Linework

% Of site boundry which is made up of major roads: 73

MATRIX SITE: 58
NAME: Lake Watatick
STATE/S: MA

RANK: M
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **9**

ELEVATION SUMMARY

	Percent
0 - 800ft:	0
800 - 1700ft:	100
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	100
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	4
Cove:	1
Gently Sloping Flat:	30
Dry Flat - Till / Patchy Sediment:	34
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	5
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	12

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	1
# Species:		
# Communities:	1	1

STREAMS SUMMARY:

Total miles of streams in the site: **23**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	12	1
Miles of 2nd order streams:	4	0
Miles of 3rd order streams:	4	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	3	0
Total miles of streams in the site:	23	1

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **26**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	2
50 - 100	
100 - 250	3
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	2,964
Average normal storage of all dams in the site:	1,577
Maximum drainage area of any dams in the site:	18
Average drainage area of all dams in the site:	6

MATRIX SITE: 59 **RANK:** MY

NAME: Royalston **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: MA/NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown; mature forest

Logging history: 2nd and 3rd growth

Other comments: no large blocks by local roads.

Road density: moderate; small secondary low use paved roads. Frisbee roads.

Unique features: wild section of millers river, quiet scenic, miller's river is good for mussels, very good canoeing

Aquatic features: bogs, lawrence brook, millers river, Doanes and Royalston Falls – cold water streams and brooks, trout native. Great wetlands along long pond.good

General comments/rank: maybe-yes. Three paved roads break it up and no large forest

Landscape assessment: adjoins 96 to west, development to the east, north unknown, south-rural woodland.

Ownership/ management: DEM – small patches, DFW – WMA's 6000+; TTOR 200; ACOE – 600 hunting, fishing, passive and logging selective and small clear cuts.

Boundary:

Cover class review: 92% natural cover

Ecological features, EO's, Expected Communities: bittern, least bittern, Alas. Undulata, good bogs – excellent.red oak – white pine, hemlock-hardwood.

SIZE:

Total acreage of the matrix site:	64,324
Core acreage of the matrix site:	42,173

Total acreage of the matrix site:	64,324
Core acreage of the matrix site:	42,173
% Core acreage of the matrix site:	66
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	328
Maximum acreage of any land block within the matrix site:	4,540
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	109
100 - 500	41
500 - 1000	23
1000 - 2000	16
2000 - 5000	4
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 23 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	20	23	14,566

15 Largest managed area parcels within site

	Name	Acres	Type
1	Unknown Named Parcel	3,898	FED
2	BIRCH HILL WMA	3,393	STA
3	MILLERS RIVER WMA	2,565	STA
4	Unknown Named Parcel	910	STA
5	Unknown Named Parcel	796	MUN
6	BIRCH HILL	661	FED
7	OTTER RIVER STATE FOREST	623	STA
8	ROYALSTON STATE FOREST	576	STA
9	Unknown Named Parcel	435	PVT
10	LAWRENCE BROOK WMA	273	STA
11	BEARSDEN FOREST CONS. AREA	219	MUN
12	N.E. WILDFLOWER RESERVATION	85	PVT
13	YMCA LANDS	50	MUN
14	MINNIE FRENCH CONS. AREA	18	MUN
15	COLLINS LAND/BEARSDEN CONS. AR	14	MUN

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	28
Evergreen Forest:	23
Mixed Forest:	28
Forested Wetland:	9
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	27	0
Local Roads (Class 4):	207	3
Railroads:	11	0
Utility Lines:	18	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	263	4

Boundary Linework

% Of site boundry which is made up of major roads: 81

MATRIX SITE: 59
NAME: Royalston
STATE/S: MA/NH

RANK: MY
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **30**

ELEVATION SUMMARY

	Percent
0 - 800ft:	9
800 - 1700ft:	91
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	38
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	62
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	7
Cove:	3
Gently Sloping Flat:	26
Dry Flat - Till / Patchy Sediment:	28
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	5
Wet Flat / Slope Bottom:	20
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		
# Species:		
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **116**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	42	1
Miles of 2nd order streams:	21	0
Miles of 3rd order streams:	21	0
Miles of 4th order streams:	15	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	18	0
Total miles of streams in the site:	116	2

DAMS SUMMARY:

Number of dams in the matrix site: **10**
Dams / 100 miles: **9**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	3
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	4
25 - 50	1
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,500
Average normal storage of all dams in the site:	311
Maximum drainage area of any dams in the site:	201
Average drainage area of all dams in the site:	63

MATRIX SITE: 60 **RANK:** Y

NAME: Warwick **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: MA/NH

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	yes, 1 – 5 acre chunks, mature forest
Logging history:	2nd and 3rd growth
Other comments:	invasives – present but very low density.
Road density:	a lot of local road, moderate
Unique features:	Mt. Grace. DFW analysis – a number of chunks greater than a mile from roads.
Aquatic features:	lots of forested wetlands, and good bogs.good
General comments/rank:	YES, but more roaded – but they are not really roads!! (Matt Hickler)
Landscape assessment:	south are block 11 and 112, southeast is Athol, west is the CT River.
Ownership/ management:	state owns 50% of Warwick – not heavily logged. Private land being cut heavy, private lands – 1000 acre holdings. Warwick and Erving state forest 10,000 acres and WMA with DFW multiple 1000's
Boundary:	
Cover class review:	91% natural cover. Very little agriculture – poor soil

Ecological features, EO's, Expected Communities: wood turtle, spotted turtle, spring salamander, 4 toed, nice bogs and peatlands, undulata and strophitus in Tully river.red oak and white pine , hemlock- hardwood.

SIZE:

Total acreage of the matrix site:	77,198
Core acreage of the matrix site:	53,380

Total acreage of the matrix site:	77,198
Core acreage of the matrix site:	53,380
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	336
Maximum acreage of any land block within the matrix site:	4,203
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	134
100 - 500	45
500 - 1000	24
1000 - 2000	16
2000 - 5000	9
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 25 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	34	25	18,914

15 Largest managed area parcels within site

	Name	Acres	Type
1	WARWICK STATE FOREST	9,473	STA
2	ERVING STATE FOREST	2,408	STA
3	NORTHFIELD STATE FOREST	1,875	STA
4	MT GRACE STATE FOREST	1,546	STA
5	Unknown Named Parcel	545	STA
6	EARLE LAND	387	PVT
7	Unknown Named Parcel	379	PVT
8	H.J. Bennet Town Forest	288	MUN
9	ORANGE STATE FOREST	280	STA
10	HOSMER WOODS	204	PVT
11	Winchester Town Forest - Snow Pond	199	PVT
12	IVERSON CONSERVATION AREA	187	PVT
13	WARWICK WMA	172	STA
14	FOYE CONSERVATION RESTRICTION	160	PVT
15	FISH BROOK WMA	122	STA

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	30
Evergreen Forest:	24
Mixed Forest:	28
Forested Wetland:	5
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	12	0
Local Roads (Class 4):	248	3
Railroads:	0	0
Utility Lines:	26	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	288	4

Boundary Linework

% Of site boundry which is made up of major roads:	97

MATRIX SITE: 60
NAME: Warwick
STATE/S: MA/NH

RANK: Y
ELU GROUP: 4b Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **57**

ELEVATION SUMMARY

	Percent
0 - 800ft:	45
800 - 1700ft:	55
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	21
Acidic Shale:	0
Calcareous mod Sedimentary:	10
Acidic Granitic / Mafic:	69
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	19
Cove:	11
Gently Sloping Flat:	26
Dry Flat - Till / Patchy Sediment:	15
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		4
# Species:		2
# Communities:		2

STREAMS SUMMARY:

Total miles of streams in the site: **123**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	80	1
Miles of 2nd order streams:	25	0
Miles of 3rd order streams:	13	0
Miles of 4th order streams:	4	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	1	0
Total miles of streams in the site:	123	2

DAMS SUMMARY:

Number of dams in the matrix site: **15**
Dams / 100 miles: **12**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	8
100 - 500 acre - feet	5
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	2
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	6
5 - 25	7
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	17,240
Average normal storage of all dams in the site:	1,317
Maximum drainage area of any dams in the site:	375
Average drainage area of all dams in the site:	52

MATRIX SITE: 61
NAME: Rensselaer Plateau central
STATE/S: NY

In final portfolio, boundaries changed, area SHRUNK.

RANK: Y
SUBSECTION: M212Cb Taconic Mountains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: likely in small patches, mature forest – yes, in blocks of hundreds of acres. Keeps getting logged off selectively.

Logging history: same, old sheep farms repeatedly cut during last 100 years.

Other comments: mining threats, 4 or 5 5,000 blocks. Van Renselear rented out much of the plateau to small farmers.

Road density: low – moderate. Dirt roads, lots of dangling roads. NY12/8 country route 40 moderately traveled class 2 road, county road 43 class 3 road.

Unique features: mining threats are "Graywack" related – extra hard rock., vernal pools.

Aquatic features: bog lakes, Poestenkill – good trout stream.

General comments/rank: YES; development threats on waterbodies, large logging pressure. This area was heavily charcoaling. Priority area for state protection. NY12/8: similar to Berkshire Plateau

Landscape assessment: north and south look good and to east as well. West is not good looking.

Ownership/ management: private woodlots. State 1 state park, Cherry Plain State Park, WMA 4,100 - recreation, but not timber primarily, wildlife management through timber harvesting. TNC – 100 acre, forever wild; timber companies – Cowee – 6,500; number of rod and gun clubs. NY12/8 Capital District State Wildlife Management Area, Rensselaer County Environmental Education Center at Dyken Pond, Perigo Hill Preserve owned by Rensselaer-Taconic Land Conservancy.

Boundary:

Cover class review: 95% natural cover

Ecological features, EO's, Expected Communities: lots of more northern patch communities in database. Spruce-fir swamps, dwarf shrub bog, tamarack bog. Berlin cave system. NY12/8: Matrix forest on plateau 20% successional northern hardwood, 30% beech-maple mesic (6252), 30% hemlock-northern hardwood (6109/6129) more like Adirondacks, 20% spruce-northern hardwood and spruce flats. On excarpment, Appalachian oak-hickory (6336) or maple-basswood rich mesic forest (5008), Appalachian oak-pine (6293) or oak-beech-maple (#6173?), and hemlock northern hardwood forest (6109/6129) more like Hudson River valley. northern hardwood – hemlock, red oak drops away.

SIZE:

Total acreage of the matrix site:	**76,457**
Core acreage of the matrix site:	**57,430**

Total acreage of the matrix site:	76,457
Core acreage of the matrix site:	57,430
% Core acreage of the matrix site:	75
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 42 %

Average acreage of land blocks within the matrix site:	587
Maximum acreage of any land block within the matrix site:	7,466
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	32,276
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	42

Internal Land Block Size Distribution:

Acres	# Blocks
<100	72
100 - 500	25
500 - 1000	10
1000 - 2000	13
2000 - 5000	4
5000 - 10000	5
10000 - 15000	
15000+	

MANAGED AREAS: 6 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	6	4,796

15 Largest managed area parcels within site

	Name	Acres	Type
1	CAPITAL DISTRICT WMA	4,038	STA
2	GRAFTON LAKES STATE PARK	601	STA
3	CHERRY PLAIN STATE PARK	158	STA

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	52
Evergreen Forest:	18
Mixed Forest:	19
Forested Wetland:	4
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	3	0
Local Roads (Class 4):	208	3
Railroads:	2	0
Utility Lines:	8	0
4-Wheel Drive Trails	6	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	227	3

Boundary Linework

% Of site boundry which is made up of major roads: 81

MATRIX SITE: 61
NAME: Rensselaer Plateau central
STATE/S: NY

RANK: Y
ELU GROUP: 10 Mid elevation shale and sedimentary, little granite

ECOLOGICAL LAND UNITS:

Total in site: **61**

ELEVATION SUMMARY

	Percent
0 - 800ft:	3
800 - 1700ft:	84
1700 - 2500ft:	12
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	89
Acidic Shale:	10
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	13
Cove:	8
Gently Sloping Flat:	37
Dry Flat - Till / Patchy Sediment:	23
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	5

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	8	
# Species:	1	
# Communities:	7	

STREAMS SUMMARY:

Total miles of streams in the site: **76**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	55	1
Miles of 2nd order streams:	19	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	76	1

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **8**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	3
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	2
25 - 50	
50 - 100	1
100 - 250	2
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	4,084
Average normal storage of all dams in the site:	1,454
Maximum drainage area of any dams in the site:	10
Average drainage area of all dams in the site:	5

MATRIX SITE: 62 **RANK:** Y

NAME: Northern Taconic / Berlin Mountain **SUBSECTION:** M212Cb Taconic Mountains

STATE/S: NY/MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no; maybe some on MA side. Mature forest - YES

Logging history: NY logging – heavy and lots of charcoal making. 2nd and 3rd growth. Cleared at turn of century.

Other comments: Hottest ATV area in eastern NY. 15,000 acre roadless block. All cleared at turn of the century. This has a big 15,000 acre block.

Road density: low – very low. Route 100 to NW fragmenting?

In final portfolio, boundaries changed, area SHRUNK.

Unique features: boston-albany post road goes through Berlin pass. Legislated road so you can not close it from Berlin into MA. NY12/8: Petersburgh Pass Scenic Area, Taconic Trail State Park in MA

Aquatic features: not much, headwaters.

General comments/rank: YES.

Landscape assessment: looks forested on all four sides. Except Rt. 22 it could link to Rennselear Plateau. Pittsfield to the south.

Ownership/ management: private NY state woodlots, Cowee Timber industry – 4-5,000 acres. 2,000 acres protected in MA by state. NY owns 5,000 acres in Taconic Ridge State Forest. real mixed, 2, 300 in conservation. Probably higher. Carmelte mothers own 700 acres. Private woodlots. Patchwork more than others. Less conservation land. Timber companies own a bit.

Boundary:

Cover class review: 90%+

Ecological features, EO's, Expected Communities: calcareous outcrop on suthern boundary. Maple basswood forest. No sprue-fir – or very little. Hemlock ravines, unknown. Jerry Jenkins may know better. NY12/8: beech-maple mesic forest (6252), Appalachian oak-pine forest (6293), int. forest (6173).northern hardwood, ridge mostly forested. Grassy forested balds with oak. Northern hardwood with sugar maple and beech on slopes.

SIZE:

Total acreage of the matrix site:	**43,563**
Core acreage of the matrix site:	**34,511**

Total acreage of the matrix site:	43,563
Core acreage of the matrix site:	34,511
% Core acreage of the matrix site:	79
% Core acreage in natural cover:	92
% Core acreage in non- natural cover:	8

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 78 %

Average acreage of land blocks within the matrix site:	691
Maximum acreage of any land block within the matrix site:	33,882
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	33,882
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	78

Internal Land Block Size Distribution:

Acres	# Blocks
<100	47
100 - 500	10
500 - 1000	4
1000 - 2000	
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	1

MANAGED AREAS: 5 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	9	5	2,364

15 Largest managed area parcels within site

	Name	Acres	Type
1	TACONIC TRAIL STATE PARK	651	STA
2	E. HOWE FORBUSH SANCTUARY	364	STA
3	PITTSFIELD STATE FOREST	336	STA
4	Unknown Named Parcel	277	PVT
5	FIELD FARM	258	PVT
6	HANCOCK WMA	249	STA
7	Unknown Named Parcel	122	STA
8	TACONIC CREST TRAIL	97	STA
9	MARGARET LINDLEY PARK	10	MUN

LANDCOVER SUMMARY:

Natural Cover: 86 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	58
Evergreen Forest:	13
Mixed Forest:	15
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	86

Non-Natural Cover: 14 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	8
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	14

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	92	2
Railroads:	0	0
Utility Lines:	4	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	1	0
TOTAL:	97	2

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 62
NAME: Northern Taconic / Berlin Mountain
STATE/S: NY/MA

RANK: Y
ELU GROUP: 9 Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **51**

ELEVATION SUMMARY

	Percent
0 - 800ft:	2
800 - 1700ft:	68
1700 - 2500ft:	29
2500 - 4000ft:	1
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	72
Acidic Shale:	15
Calcareous mod Sedimentary:	13
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	2
Upper slope / Summit:	17
Sideslope:	27
Cove:	28
Gently Sloping Flat:	9
Dry Flat - Till / Patchy Sediment:	2
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	4

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	5
# Species:		2
# Communities:	1	3

STREAMS SUMMARY:

Total miles of streams in the site: **42**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	32	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	42	1

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 63 **RANK:** Y

NAME: Mohawk Trail South **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	yes, - white pine; hemlock northern hardwood. Lots; mature forest
Logging history:	2nd and 3rd growth. Some old field but less than Worcester Plateau
Other comments:	invasive
Road density:	rt. 8A was crossed; moderate to low. Light traffic mix paved\gravel
Unique features:	lots of bear, moose and fisher.
Ecological features, EO's, Expected Communities:	Hawley Bog, wood turtlenorthern hardwood with red spruce, white pine
Aquatic features:	bog, bog\pond, spruce\fir swamp,good
General comments/rank:	YES
Landscape assessment:	good to great with Rt 2 to N, East and West constrained
Ownership/ management:	20,000 DEM – light forestry, selective and patch. Moderate size woodlot. Large 500 acre woodlots – diameter management
Boundary:	
Cover class review:	90%+

SIZE:

Total acreage of the matrix site:	76,499
Core acreage of the matrix site:	56,457

Total acreage of the matrix site:	76,499
Core acreage of the matrix site:	56,457
% Core acreage of the matrix site:	74
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 7 %

Average acreage of land blocks within the matrix site:	629
Maximum acreage of any land block within the matrix site:	5,539
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	5,539
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	7

Internal Land Block Size Distribution:

Acres	# Blocks
<100	54
100 - 500	21
500 - 1000	21
1000 - 2000	15
2000 - 5000	9
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 32 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	10	32	24,201

15 Largest managed area parcels within site

	Name	Acres	Type
1	Unknown Named Parcel	10,045	STA
2	DUBUQUE MEMORIAL STATE FOREST	7,187	STA
3	MOHAWK TRAIL STATE FOREST	2,444	STA
4	SAVOY MOUNTAIN STATE FOREST	2,390	STA
5	FLORIDA STATE FOREST	1,489	STA
6	Unknown Named Parcel	286	PVT
7	BEAR SWAMP RESERVATION	266	PVT
8	HAWLEY STATE FOREST	76	STA
9	WINDSOR STATE FOREST	16	STA
10	WEST MOUNTAIN	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	54
Evergreen Forest:	12
Mixed Forest:	20
Forested Wetland:	4
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	9	0
Local Roads (Class 4):	190	2
Railroads:	13	0
Utility Lines:	11	0
4-Wheel Drive Trails	3	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	227	3

Boundary Linework

% Of site boundry which is made up of major roads:	91

MATRIX SITE: 63
NAME: Mohawk Trail South
STATE/S: MA

RANK: Y
ELU GROUP: 7a Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **70**

ELEVATION SUMMARY

	Percent
0 - 800ft:	6
800 - 1700ft:	55
1700 - 2500ft:	39
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	60
Acidic Shale:	0
Calcareous mod Sedimentary:	12
Acidic Granitic / Mafic:	28
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	7
Sideslope:	19
Cove:	16
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	13
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	1
# Species:		
# Communities:	2	1

STREAMS SUMMARY:

Total miles of streams in the site: **104**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	72	1
Miles of 2nd order streams:	19	0
Miles of 3rd order streams:	10	0
Miles of 4th order streams:	4	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	104	1

DAMS SUMMARY:

Number of dams in the matrix site: **9**
Dams / 100 miles: **9**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	8
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	8
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	280
Average normal storage of all dams in the site:	80
Maximum drainage area of any dams in the site:	11
Average drainage area of all dams in the site:	3

MATRIX SITE: 64
NAME: Mt. Greylock
STATE/S: MA

RANK: Y
SUBSECTION: M212Cb Taconic Mountains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: yes, hemlock, spruce. Mature forest greater than 50%

Logging history: 2nd and 3rd growth.

Other comments: invasives

Road density: summit road paved with canopy cover.

Unique features: ravens, mourning warbler, black pole warbler, sorex dispar – rock shrew. Tallest MT. In State. Pygmy shrew – only record in state. AT goes over top.

Aquatic features: good cold water streams with rare crayfish and spring salamander. Vernal pools.good

General comments/rank: YES

Landscape assessment: Rt 7 and Rt43 to west but then landscape is well wooded. Adams to the east.

Ownership/ management: DEM – 12,000. Very minimal and lots of recreation. 800 watershed lands - logging

Boundary:

Cover class review: 90% natural cover.

Ecological features, EO's, Expected Communities: 25 rare species, calcareous communties of all forms. Boreal forest.northern hardwood with spruce at top and sugar maple below. Lots of beech.

SIZE:

Total acreage of the matrix site:	**33,582**
Core acreage of the matrix site:	**26,478**

Total acreage of the matrix site:	33,582
Core acreage of the matrix site:	26,478
% Core acreage of the matrix site:	79
% Core acreage in natural cover:	91
% Core acreage in non- natural cover:	9

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 61 %

Average acreage of land blocks within the matrix site:	718
Maximum acreage of any land block within the matrix site:	11,299
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	20,551
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	61

Internal Land Block Size Distribution:

Acres	# Blocks
<100	31
100 - 500	5
500 - 1000	3
1000 - 2000	4
2000 - 5000	1
5000 - 10000	1
10000 - 15000	1
15000+	

MANAGED AREAS: 40 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	7	40	13,300

15 Largest managed area parcels within site

	Name	Acres	Type
1	MT GREYLOCK STATE RES	12,225	STA
2	NOTCH WATERSHED	737	MUN
3	MT GREYLOCK STATE RES	234	PVT
4	APPALACHIAN TRAIL CORRIDOR	100	FED
5	Unknown Named Parcel	1	STA
6	BCLF & CF ZUCKER PROPERTY	1	MUN
7	THE CASCADES	0	MUN

LANDCOVER SUMMARY:

Natural Cover: 86 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	69
Evergreen Forest:	4
Mixed Forest:	9
Forested Wetland:	2
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	86

Non-Natural Cover: 14 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	14

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	72	2
Railroads:	4	0
Utility Lines:	2	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	80	2

Boundary Linework

% Of site boundry which is made up of major roads: 49

MATRIX SITE: 64
NAME: Mt. Greylock
STATE/S: MA

RANK: Y
ELU GROUP: 9 Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **51**

ELEVATION SUMMARY

	Percent
0 - 800ft:	1
800 - 1700ft:	61
1700 - 2500ft:	30
2500 - 4000ft:	8
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	32
Acidic Shale:	0
Calcareous mod Sedimentary:	68
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	4
Upper slope / Summit:	12
Sideslope:	24
Cove:	29
Gently Sloping Flat:	14
Dry Flat - Till / Patchy Sediment:	4
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	8
Stream / River / Lake:	5

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		4
# Species:		1
# Communities:		3

STREAMS SUMMARY:

Total miles of streams in the site: **25**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	23	1
Miles of 2nd order streams:	1	0
Miles of 3rd order streams:	0	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	25	1

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **20**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	5
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	2
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	427
Average normal storage of all dams in the site:	137
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	0

MATRIX SITE: 65 **RANK:** Y

NAME: Wendell **SUBSECTION:** 221Ah Worcester-Monadnock Plateau

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: yes, tupelo as well as natural forest on MDC – hemlock; mature forest

Logging history: 2nd and 3rd growth. Much of the area not cleared

Other comments: invasives – yes, but low, lots of mountain laurel.

Road density: a lot gated and dirt. Dem roads gated. Moderate but gated and dirt.

Unique features: finest mountain laurel.

Aquatic features: headwaters of the Swift River (middle and west branch) native book trout. – mussels. Lots of small bogsgood.

General comments/rank: yes

Landscape assessment: contiguous with 118, fisher throught. Turners Falls to West. North wooded.

Ownership/ management: wendell state forest 12,000 – recreation, mdc – 5,000 acres, timbering on all lands, montague WMA – no timbering here. WD Cowls – logging – selective cutting – in Chapter 61; some large woodlots. Whetstone Brook – Audubon. - 1500

Boundary:

Cover class review: 94% natural cover

Ecological features, EO's, Expected Communities: red oak – white pine – hemlock, hemlock-hardwood.woodturtle, four toed salamanders, williamsonia population, talus and ledge areas with old hemlock.

SIZE:

Total acreage of the matrix site:	**45,081**
Core acreage of the matrix site:	**30,153**

Total acreage of the matrix site:	45,081
Core acreage of the matrix site:	30,153
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	339
Maximum acreage of any land block within the matrix site:	4,306
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	57
100 - 500	55
500 - 1000	9
1000 - 2000	6
2000 - 5000	5
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 34 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	25	34	15,272

15 Largest managed area parcels within site

	Name	Acres	Type
1	WENDELL STATE FOREST	7,982	STA
2	WATERSHED PROTECTION AREA	1,482	MUN
3	MONTAGUE WMA	1,353	STA
4	WHETSTONE WOOD WILDLIFE SANCT	1,226	PVT
5	SHUTESBURY STATE FOREST	637	STA
6	MONTAGUE STATE FOREST	616	STA
7	WENDELL WMA	568	STA
8	ORANGE STATE FOREST	323	STA
9	Unknown Named Parcel	188	STA
10	Unknown Named Parcel	161	PVT
11	MT GRACE CR	118	PVT
12	CONSERVATION LAND	105	MUN
13	Unknown Named Parcel	86	MUN
14	MASS AUDUBON SOCIETY LAND	82	PVT
15	NEW SALEM STATE FOREST	67	STA

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	35
Evergreen Forest:	22
Mixed Forest:	29
Forested Wetland:	6
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	9	0
Local Roads (Class 4):	144	3
Railroads:	11	0
Utility Lines:	16	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	181	4

Boundary Linework

% Of site boundry which is made up of major roads: 95

MATRIX SITE: 65
NAME: Wendell
STATE/S: MA

RANK: Y
ELU GROUP: 4b Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **45**

ELEVATION SUMMARY

	Percent
0 - 800ft:	27
800 - 1700ft:	73
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	16
Acidic Shale:	0
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	80
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	17
Cove:	9
Gently Sloping Flat:	30
Dry Flat - Till / Patchy Sediment:	18
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	5
# Species:	1	1
# Communities:		4

STREAMS SUMMARY:

Total miles of streams in the site: **70**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	50	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	2	0
Miles of 4th order streams:	9	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	70	2

DAMS SUMMARY:

Number of dams in the matrix site: **8**
Dams / 100 miles: **11**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	7
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	7
5 - 25	
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,144
Average normal storage of all dams in the site:	190
Maximum drainage area of any dams in the site:	15
Average drainage area of all dams in the site:	2

MATRIX SITE: 66 **RANK:** M

NAME: Chalet WMA **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history: hammered by Cowls more than any other site on Berkshire plateau

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities: northern hardwoods.calcareous fenny, spruce swamp.

Aquatic features:

General comments/rank: small compared to neighboring similar blocks. Maybe

Landscape assessment: good

Ownership/ management: mostly protected.

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	21,679
Core acreage of the matrix site:	18,227

Total acreage of the matrix site:	21,679
Core acreage of the matrix site:	18,227
% Core acreage of the matrix site:	84
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 66 %

Average acreage of land blocks within the matrix site:	1,547
Maximum acreage of any land block within the matrix site:	14,354
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	14,354
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	66

Internal Land Block Size Distribution:

Acres	# Blocks
<100	9
100 - 500	1
500 - 1000	1
1000 - 2000	
2000 - 5000	2
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 47 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	8	47	10,138

15 Largest managed area parcels within site

	Name	Acres	Type
1	CHALET WMA	4,903	STA
2	SAVOY WMA	1,226	STA
3	Unknown Named Parcel	1,060	PVT
4	Unknown Named Parcel	890	STA
5	EUGENE MORAN WMA	754	STA
6	STAFFORD HILL WMA	719	STA
7	WINDSOR STATE FOREST	334	STA
8	APPALACHIAN TRAIL CORRIDOR	252	FED

LANDCOVER SUMMARY:

Natural Cover: 90 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	55
Evergreen Forest:	8
Mixed Forest:	24
Forested Wetland:	2
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	90

Non-Natural Cover: 10 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	10

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 1

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	26	1
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	27	1

Boundary Linework

% Of site boundry which is made up of major roads: 68

MATRIX SITE: 66
NAME: Chalet WMA
STATE/S: MA

RANK: M
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **44**

ELEVATION SUMMARY

	Percent
0 - 800ft:	0
800 - 1700ft:	38
1700 - 2500ft:	62
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	7
Acidic Shale:	0
Calcareous mod Sedimentary:	11
Acidic Granitic / Mafic:	82
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	17
Cove:	15
Gently Sloping Flat:	34
Dry Flat - Till / Patchy Sediment:	19
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	8
Stream / River / Lake:	4

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		1
# Species:		
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **24**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	21	1
Miles of 2nd order streams:	3	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	24	1

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **8**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	
25 - 50	
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	4,000
Average normal storage of all dams in the site:	2,012
Maximum drainage area of any dams in the site:	0
Average drainage area of all dams in the site:	0

MATRIX SITE: 67
NAME: Rensselaer Plateau south
STATE/S: NY

In final portfolio, boundaries changed, area SHRUNK.

RANK: MY
SUBSECTION: M212Cb Taconic Mountains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no, may have some mature forest. NY12/8: forested area west of Route 66 (outside block) has rumors of old growth. some selective logging
Logging history:	same, old sheep farms repeatedly cut dung last 100 years.NY12/8: some selective logging
Other comments:	mining threats, a couple 2,000 blocks.
Road density:	lower than other blocks, low – moderate.
Unique features:	mining threats are "Graywack" related – extra hard rock.
Aquatic features:	trout streams
General comments/rank:	MAYBE-YES access problems
Landscape assessment:	southern extent of larger block to north. Looks worse to the east.
Ownership/ management:	private woodlots. NY12/8: Lane Mining Co. owns Snake Hill. Turner Hill - public?
Boundary:	
Cover class review:	0.85

Ecological features, EO's, Expected Communities: unknown, some wetlands. NY12/8: rich shrub fens, solution caves, red maple-tamarack peat swamp. Matrix forest: beech-maple mesic forest (6252) on gradual grades. South of ecarpment in lowlands Appalachian oak-hickory forest (6336) and Appalachian oak-(pine) (6293).northern hardwood – hemlock, red oak drops away.

SIZE:

Total acreage of the matrix site:	**29,558**
Core acreage of the matrix site:	**20,635**

Total acreage of the matrix site:	29,558
Core acreage of the matrix site:	20,635
% Core acreage of the matrix site:	70
% Core acreage in natural cover:	93
% Core acreage in non- natural cover:	7

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	447
Maximum acreage of any land block within the matrix site:	3,871
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	34
100 - 500	15
500 - 1000	7
1000 - 2000	7
2000 - 5000	3
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total			

15 Largest managed area parcels within site

	Name	Acres	Type
0			

LANDCOVER SUMMARY:

Natural Cover: 87 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	38
Evergreen Forest:	26
Mixed Forest:	22
Forested Wetland:	2
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	87

Non-Natural Cover: 13 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	7
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	13

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	1	0
Local Roads (Class 4):	94	3
Railroads:	3	0
Utility Lines:	1	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	98	3

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 67
NAME: Rensselaer Plateau south
STATE/S: NY

RANK: MY
ELU GROUP: 10 Mid elevation shale and sedimentary, little granite

ECOLOGICAL LAND UNITS:

Total in site: **42**

ELEVATION SUMMARY

	Percent
0 - 800ft:	21
800 - 1700ft:	79
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	91
Acidic Shale:	8
Calcareous mod Sedimentary:	2
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	16
Cove:	9
Gently Sloping Flat:	33
Dry Flat - Till / Patchy Sediment:	13
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	5
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		
# Species:		
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **42**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	14	0
Miles of 2nd order streams:	16	1
Miles of 3rd order streams:	11	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	42	1

DAMS SUMMARY:

Number of dams in the matrix site: **1**
Dams / 100 miles: **2**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	189
Average normal storage of all dams in the site:	189
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	1

MATRIX SITE: 68 **RANK:** MY

NAME: Windsor **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	tiny bit. Mature forest: 70% of total forest
Logging history:	2nd and 3rd growth.
Other comments:	Tom Keefe – loves this block, no calcareous features.
Road density:	RT 9 is bigger , Rt. 116 is smaller. Both are truck routes. Moderate subdivision by local roads.
Unique features:	all big mammals.
Ecological features, EO's, Expected Communities:	yes, speak to Tony and charlie. Bittern, harrier,northern hardwood.
Aquatic features:	east branch of westfield – wild and scenic designation; pockets of calcareous fens and seeps.
General comments/rank:	no one is familiar with eastern portion of the block. MAYBE_YES
Landscape assessment:	surrounded by good blocks
Ownership/ management:	State
Boundary:	
Cover class review:	92%+ natural cover.

SIZE:

Total acreage of the matrix site:	30,242
Core acreage of the matrix site:	20,833

Total acreage of the matrix site:	30,242
Core acreage of the matrix site:	20,833
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	437
Maximum acreage of any land block within the matrix site:	4,626
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	31
100 - 500	20
500 - 1000	10
1000 - 2000	5
2000 - 5000	3
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 22 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	11	22	6,617

15 Largest managed area parcels within site

	Name	Acres	Type
1	Notchview Reservation	2,681	PVT
2	WINDSOR STATE FOREST	1,500	STA
3	WEST MOUNTAIN	1,418	PVT
4	DEER HILL RESERVATION	348	STA
5	EUGENE MORAN WMA	282	STA
6	Unknown Named Parcel	146	PVT
7	Unknown Named Parcel	114	OTH
8	DUBUQUE MEMORIAL STATE FOREST	78	STA
9	WESTFIELD RIVER ACCESS AREA	43	STA
10	SAVOY MOUNTAIN STATE FOREST	6	STA
11	BERKSHIRE SNOW BASIN	0	STA

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	39
Evergreen Forest:	15
Mixed Forest:	29
Forested Wetland:	7
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	93	3
Railroads:	0	0
Utility Lines:	4	0
4-Wheel Drive Trails	9	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	106	4

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: 68
NAME: Windsor
STATE/S: MA

RANK: MY
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **38**

ELEVATION SUMMARY

	Percent
0 - 800ft:	0
800 - 1700ft:	70
1700 - 2500ft:	30
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	69
Acidic Shale:	0
Calcareous mod Sedimentary:	7
Acidic Granitic / Mafic:	24
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	14
Cove:	9
Gently Sloping Flat:	33
Dry Flat - Till / Patchy Sediment:	22
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	
# Species:		
# Communities:	1	

STREAMS SUMMARY:

Total miles of streams in the site: **57**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	29	1
Miles of 2nd order streams:	16	1
Miles of 3rd order streams:	8	0
Miles of 4th order streams:	5	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	57	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **3**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	150
Average normal storage of all dams in the site:	113
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	0

MATRIX SITE: 69 **RANK:** MY

NAME: Wachusett **SUBSECTION:** M212Bd Hillsboro Inland Hills and Plains

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: Yes, on Mt. Wachusett and elsewhere in pockets. Mature Forest

Logging history: 2nd and 3rd growth, a lot of old field\pasture except the Mountains.

Other comments: invasives

Road density: moderate, mostly paved – need to look at this block.

Unique features: Mt. Wachusett. Ski area wiping out old growth.

Aquatic features: black oak-white oak – white pine, northern hardwood patches, hemlock-hardwood.wachusett meadows – water shrew. Lots of water – all unknown, loons on larger bodies.

General comments/rank: maybe-yes

Landscape assessment: desireable to west, toast elsewhere

Ownership/ management: Worcester Watershed lands – less commercially logged. Audubon – 1000, MDC – 2-4000 ,DFW 2300+, Mt Wachusett – 2,000

Boundary:

Cover class review: 92%+

Ecological features, EO's, Expected Communities: all the turtles and salamanaders, sharp-shinned hawk, migratory pathway, odonates – state listed.

SIZE:

Total acreage of the matrix site: **39,241**

Core acreage of the matrix site: **25,311**

Total acreage of the matrix site:	39,241
Core acreage of the matrix site:	25,311
% Core acreage of the matrix site:	65
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	307
Maximum acreage of any land block within the matrix site:	1,992
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	55
100 - 500	37
500 - 1000	22
1000 - 2000	9
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 17 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	14	17	6,619

15 Largest managed area parcels within site

	Name	Acres	Type
1	HUBBARDSTON WMA	2,123	STA
2	WACHUSETT MT STATE RES	1,962	STA
3	WACHUSETT MEADOWS	960	PVT
4	Unknown Named Parcel	477	STA
5	SAVAGE HILL WMA	441	STA
6	WESTMINSTER STATE FOREST	263	STA
7	SUSAN B. MINNS SANCTUARY	148	STA
8	HUBBARDSTON STATE FOREST	137	STA
9	Unknown Named Parcel	66	PVT
10	LEOMINSTER STATE FOREST	28	STA
11	Unknown Named Parcel	6	MUN
12	TOWN COMMON	4	MUN
13	Ware River Watershed Area	3	STA
14	REDEMPTION ROCK	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	5
Transitional Barren:	0
Deciduous Forest:	48
Evergreen Forest:	12
Mixed Forest:	20
Forested Wetland:	6
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	7	0
Local Roads (Class 4):	140	4
Railroads:	14	0
Utility Lines:	1	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	162	4

Boundary Linework

% Of site boundry which is made up of major roads: 76

MATRIX SITE: 69
NAME: Wachusett
STATE/S: MA

RANK: MY
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **50**

ELEVATION SUMMARY

	Percent
0 - 800ft:	5
800 - 1700ft:	95
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	69
Acidic Shale:	0
Calcareous mod Sedimentary:	9
Acidic Granitic / Mafic:	23
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	7
Cove:	3
Gently Sloping Flat:	36
Dry Flat - Till / Patchy Sediment:	32
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	3
# Species:		2
# Communities:	1	1

STREAMS SUMMARY:

Total miles of streams in the site: **53**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	15	0
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	0	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	29	1
Total miles of streams in the site:	53	1

DAMS SUMMARY:

Number of dams in the matrix site: **17**
Dams / 100 miles: **32**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	16
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	8
5 - 25	5
25 - 50	
50 - 100	
100 - 250	4
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	4,849
Average normal storage of all dams in the site:	848
Maximum drainage area of any dams in the site:	5
Average drainage area of all dams in the site:	1

MATRIX SITE: **70** **RANK:** **Y**

NAME: **Ware River** **SUBSECTION:** **M212Bd** Hillsboro Inland Hills and Plains

STATE/S: **MA**

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	yes, wetland and upland, tupelo and hemlock. Mature forest
Logging history:	2nd and 3rd growth, a lot of this was pasture historically
Other comments:	invasives; buckthorn a problem on Ware River. Barberry. Denser than other Worcester blocks.
Road density:	moderate, mostly paved, some dirt, higher than others.
Unique features:	sand plain – pine plains on Muddy Pond north on rt. 122.
Aquatic features:	big wetlands, bogs, Ware River, Muddy Pond with floating bog mats.good
General comments/rank:	incorporated one of TTOR's identified focus areas. One of the larger private open areas in Worcester county. YES.
Landscape assessment:	Gardner on the north, south and east is getting residential, south west becoming residential
Ownership/ management:	MDC – 20,000, watershed primary use, low intensity logging. DEM and DFW – 4000, light forestry and hunting. Small owners along the roads, rural with horses.
Boundary:	
Cover class review:	90% natural cover

Ecological features, EO's, Expected Communities: sptted turtle, wood turtle, alas. Undulata, Arceuthobium, Bartram's shadbush, huge wetlands and great bogs, peatlands,more black and white oak – white pine - ericad. Hemlock-hardwood.

SIZE:

Total acreage of the matrix site:	**48,804**
Core acreage of the matrix site:	**33,894**

Total acreage of the matrix site:	48,804
Core acreage of the matrix site:	33,894
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	460
Maximum acreage of any land block within the matrix site:	3,139
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	43
100 - 500	31
500 - 1000	17
1000 - 2000	10
2000 - 5000	4
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 25 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	20	25	11,991

15 Largest managed area parcels within site

	Name	Acres	Type
1	PHILLIPSTON WMA	3,278	STA
2	Ware River Watershed Area	3,159	STA
3	Rutland Brook	1,256	PVT
4	HUBBARDSTON STATE FOREST	1,024	STA
5	Unknown Named Parcel	910	PVT
6	PRINCE RIVER WMA	640	STA
7	James W. Brooks Preserve	518	PVT
8	POPPLE CAMP WMA	252	STA
9	HARVARD FOREST	239	PVT
10	TEMPLETON STATE FOREST	229	STA
11	THAYER POND WMA	139	STA
12	Unknown Named Parcel	136	STA
13	PHILLIPSTON & POPPLE CAMP WMA	114	STA
14	CONSERVATION LAND	37	MUN
15	Harvard Forest	27	PVT

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	39
Evergreen Forest:	17
Mixed Forest:	23
Forested Wetland:	7
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	8	0
Local Roads (Class 4):	145	3
Railroads:	8	0
Utility Lines:	5	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	167	3

Boundary Linework

% Of site boundry which is made up of major roads: 73

MATRIX SITE: **70**
NAME: **Ware River**
STATE/S: **MA**

RANK: **Y**
ELU GROUP: **6a** Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **32**

ELEVATION SUMMARY

	Percent
0 - 800ft:	10
800 - 1700ft:	90
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	71
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	29
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	4
Cove:	2
Gently Sloping Flat:	34
Dry Flat - Till / Patchy Sediment:	36
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		2
# Species:		
# Communities:		2

STREAMS SUMMARY:

Total miles of streams in the site: **84**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	47	1
Miles of 2nd order streams:	24	1
Miles of 3rd order streams:	11	0
Miles of 4th order streams:	2	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	84	2

DAMS SUMMARY:

Number of dams in the matrix site: **13**
Dams / 100 miles: **16**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	9
100 - 500 acre - feet	3
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	7
5 - 25	6
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	328
Average normal storage of all dams in the site:	113
Maximum drainage area of any dams in the site:	55
Average drainage area of all dams in the site:	7

MATRIX SITE: 71 **RANK:** MY

NAME: Big Kitty/Conway **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**41,622**
Core acreage of the matrix site:	**30,000**

Total acreage of the matrix site:	41,622
Core acreage of the matrix site:	30,000
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 17 %

Average acreage of land blocks within the matrix site:	475
Maximum acreage of any land block within the matrix site:	6,884
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	6,884
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	17

Internal Land Block Size Distribution:

Acres	# Blocks
<100	48
100 - 500	18
500 - 1000	8
1000 - 2000	7
2000 - 5000	5
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 14 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	12	14	5,914

15 Largest managed area parcels within site

	Name	Acres	Type
1	CONWAY STATE FOREST	1,756	STA
2	D.A.R. STATE FOREST	1,526	STA
3	POLAND BROOK WMA	680	STA
4	GRAVES FARM WILDLIFE SANCTUARY	646	PVT
5	Unknown Named Parcel	511	OTH
6	Unknown Named Parcel	252	PVT
7	WHATELY WMA	217	STA
8	CHAPEL BROOK	139	PVT
9	WILLIAMSBURG WMA	92	STA
10	TILTON FARM	74	MUN
11	CONWAY SF - LEE/SNOW LOT	11	PVT
12	CONWAY SF - LEE/LEE LOT	10	PVT

LANDCOVER SUMMARY:

Natural Cover: 89 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	38
Evergreen Forest:	13
Mixed Forest:	31
Forested Wetland:	6
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	89

Non-Natural Cover: 11 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	11

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	132	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	4	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	136	3

Boundary Linework

% Of site boundry which is made up of major roads: 81

MATRIX SITE: 71
NAME: Big Kitty/Conway
STATE/S: MA

RANK: MY
ELU GROUP: 4a Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **37**

ELEVATION SUMMARY

	Percent
0 - 800ft:	40
800 - 1700ft:	60
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	12
Acidic Shale:	0
Calcareous mod Sedimentary:	88
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	19
Cove:	10
Gently Sloping Flat:	27
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	6
# Species:		4
# Communities:	1	2

STREAMS SUMMARY:

Total miles of streams in the site: **97**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	67	2
Miles of 2nd order streams:	26	1
Miles of 3rd order streams:	4	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	97	2

DAMS SUMMARY:

Number of dams in the matrix site: **10**
Dams / 100 miles: **10**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	9
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	4
25 - 50	1
50 - 100	1
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	2,460
Average normal storage of all dams in the site:	598
Maximum drainage area of any dams in the site:	8
Average drainage area of all dams in the site:	1

MATRIX SITE: 72 **RANK:** Y

NAME: Quabbin **SUBSECTION:** 221Ah Worcester-Monadnock Plateau

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	yes, 100 acres of tupelo now just 5 acres because of beaver. Terrestrial old growth as well – get Fosters report. Rocky slopes prevented agriculture Mature Forest
Logging history:	significant area over 150 years old. Most of the area was cut but not cleared. Perhaps 2nd growth. 1938 hurricane – there was not much salvage except along the roads.
Other comments:	much of it is old road and farms reverting just now. Some old field. Invasives – not as bad as wachusett, buckthorn, barberry, phrag. Wooly adelgid (low density) areas do exist without any invasives.
Road density:	low, very low.
Unique features:	kettle bogs and peatlands, smelt, landlocked salmon, lake trout, 60% of fish species are non-native.
Aquatic features:	quabbin reservoir.good
General comments/rank:	yes
Landscape assessment:	North and Northeast wooded & nice cooridor of protected land. S+W rural residentail
Ownership/ management:	mostly quabbin reservoir. Commonwealth, variety of uneven age cuts and clear cuts up to 5 acres. Diversify age and species. Closed to all vehicles, Prescott totally closed. 70 % open to walking and fishing. Controlled hunt.
Boundary:	
Cover class review:	97%+ with a lot of water 26,000

Ecological features, EO's, Expected Communities: eagles, loons, blackgum swamp, some rare plants, acidic rocky summit, Alas. Varicosa, historic peregrine flacon and rattlesnake, hemlock ravines with Acadian flycatcher, Cerulean warbler, salamanders, wood turtle.red oak – white pine; largest percentage of mature oak in Commonwealth. Hemlock in ravines and in north less than 6%

SIZE:

Total acreage of the matrix site:	**88,021**
Core acreage of the matrix site:	**70,328**

Total acreage of the matrix site:	88,021
Core acreage of the matrix site:	70,328
% Core acreage of the matrix site:	80
% Core acreage in natural cover:	99
% Core acreage in non- natural cover:	1

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 26 %

Average acreage of land blocks within the matrix site:	435
Maximum acreage of any land block within the matrix site:	17,021
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	22,735
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	26

Internal Land Block Size Distribution:

Acres	# Blocks
<100	81
100 - 500	31
500 - 1000	22
1000 - 2000	9
2000 - 5000	1
5000 - 10000	1
10000 - 15000	
15000+	1

MANAGED AREAS: 45 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	11	45	39,660

15 Largest managed area parcels within site

	Name	Acres	Type
1	Quabbin Reservoir	22,655	STA
2	Unknown Named Parcel	14,935	STA
3	WOMENS CLUB STATE FOREST	971	STA
4	Unknown Named Parcel	887	PVT
5	SPUTTERMILL POND ACCESS AREA	65	STA
6	Harvard Forest	44	PVT
7	JABISH BROOK CONSERVATION AREA	39	MUN
8	Unknown Named Parcel	33	MUN
9	WARNER ROAD CONSERVATION AREA	30	MUN
10	MUDDY BROOK WMA	0	STA
11	HARVARD FOREST	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 97 %

	Percent
Open Water:	29
Transitional Barren:	0
Deciduous Forest:	39
Evergreen Forest:	9
Mixed Forest:	16
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	97

Non-Natural Cover: 3 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	3

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	180	2
Railroads:	0	0
Utility Lines:	14	0
4-Wheel Drive Trails	9	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	203	2

Boundary Linework

% Of site boundry which is made up of major roads: 78

MATRIX SITE: 72
NAME: Quabbin
STATE/S: MA

RANK: Y
ELU GROUP: Outlier

ECOLOGICAL LAND UNITS:

Total in site: **53**

ELEVATION SUMMARY

	Percent
0 - 800ft:	77
800 - 1700ft:	23
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	17
Acidic Shale:	0
Calcareous mod Sedimentary:	6
Acidic Granitic / Mafic:	76
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	10
Cove:	5
Gently Sloping Flat:	20
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	5
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	33

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	3
# Species:	1	1
# Communities:		2

STREAMS SUMMARY:

Total miles of streams in the site: **72**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	52	1
Miles of 2nd order streams:	18	0
Miles of 3rd order streams:	2	0
Miles of 4th order streams:	1	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	72	1

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **7**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	2

Maximum normal storage of any dams in the site:	1,265,200
Average normal storage of all dams in the site:	506,142
Maximum drainage area of any dams in the site:	82
Average drainage area of all dams in the site:	17

MATRIX SITE: 73 **RANK:** Y

NAME: Middlefield - Peru **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown, mature forest – yes , greater than 50% very probable.

Logging history: 2nd and 3rd growth

Other comments: invasives

Road density:

Unique features: lots of rock outcrops and vernal pools – uncertified. Huge block

Aquatic features: Hinsdale Flats swamps, headwaters of Housatonic. Middle branch and west branch of the Westfield River run though the block. Red maple swamp.good. Middle Branch received wild and scenic designation.

General comments/rank: YES; check out big potato farms for fragmentation!!!!!!

Landscape assessment: outstanding - nice blocks on all sides

Ownership/ management: DFW, DEM – 23,000 acres in state managed area. Area of Critical Environmental Concern. Hiram Fox WMA.

Boundary:

Cover class review: 91% natural cover.

Ecological features, EO's, Expected Communities: Hindsdale flats eo's lots of calcareous, ultra-mafic.northern hardwoods. spruce-black ash-larch forest. Some oak on east slopes according to Tom Keefe.

SIZE:

Total acreage of the matrix site:	**107,421**
Core acreage of the matrix site:	**78,093**

Total acreage of the matrix site:	107,421
Core acreage of the matrix site:	78,093
% Core acreage of the matrix site:	73
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 24 %

Average acreage of land blocks within the matrix site:	507
Maximum acreage of any land block within the matrix site:	7,929
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	25,247
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	24

Internal Land Block Size Distribution:

Acres	# Blocks
<100	115
100 - 500	45
500 - 1000	22
1000 - 2000	15
2000 - 5000	9
5000 - 10000	4
10000 - 15000	
15000+	

MANAGED AREAS: 22 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	30	22	23,443

15 Largest managed area parcels within site

	Name	Acres	Type
1	FOX DEN WMA	3,587	STA
2	MIDDLEFIELD STATE FOREST	3,496	STA
3	PERU WMA	3,426	STA
4	PERU STATE FOREST	2,749	STA
5	HIRAM H. FOX WMA	1,658	STA
6	Unknown Named Parcel	1,403	FED
7	HINSDALE FLATS WMA	1,392	STA
8	Unknown Named Parcel	879	STA
9	CONSERVATION LAND	716	MUN
10	PITTSFIELD WATERSHED	680	MUN
11	Unknown Named Parcel	670	PVT
12	WALNUT HILL WMA	645	STA
13	BERKSHIRE SNOW BASIN	462	STA
14	Notchview Reservation	289	PVT
15	POWELL BROOK WMA	260	STA

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	51
Evergreen Forest:	10
Mixed Forest:	25
Forested Wetland:	4
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	12	0
Local Roads (Class 4):	319	3
Railroads:	21	0
Utility Lines:	0	0
4-Wheel Drive Trails	5	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	359	3

Boundary Linework

% Of site boundry which is made up of major roads: 98

MATRIX SITE: 73
NAME: Middlefield - Peru
STATE/S: MA

RANK: Y
ELU GROUP: 7a Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **76**

ELEVATION SUMMARY

	Percent
0 - 800ft:	6
800 - 1700ft:	74
1700 - 2500ft:	20
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	54
Acidic Shale:	0
Calcareous mod Sedimentary:	2
Acidic Granitic / Mafic:	43
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	13
Cove:	10
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	21
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	2
# Species:		
# Communities:	2	2

STREAMS SUMMARY:

Total miles of streams in the site: **202**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	124	1
Miles of 2nd order streams:	39	0
Miles of 3rd order streams:	28	0
Miles of 4th order streams:	9	0
Miles of 5th order streams:	3	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	202	2

DAMS SUMMARY:

Number of dams in the matrix site: **10**
Dams / 100 miles: **5**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	8
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	2
25 - 50	1
50 - 100	
100 - 250	2
250 - 500	1
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	9,400
Average normal storage of all dams in the site:	1,830
Maximum drainage area of any dams in the site:	52
Average drainage area of all dams in the site:	6

MATRIX SITE: 74 **RANK:** MY

NAME: Beebee Hill **SUBSECTION:** 221Bb Taconic Foothills

STATE/S: NY

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: none.

Logging history: sheep farms until 100 years ago, most of it has been logged 1-6 times since, largely for charcoaling. Charcoaling stopped just after WWII; sprayed for gypsy moths in 70s.

Other comments: Agricultural land is largely reverting back to forest, 1972 there were hundreds of farms – now down to 50?, No large blocks, only one 2000 – 5000 acre block

Road density: moderately, mixed paved\gravel, no gated.

Unique features: Supposedly no bottom pond has a cave in it.

Aquatic features:

General comments/rank: MAYBE-YES. high development pressure.

Landscape assessment: largely in a wooded setting north and south. Lots of agri to the west. Parkway bounds on the west side.

Ownership/ management: Beebee Woods SF – 1383, reforestation, even age management, natural reforesting, 100 acre wood lots on average. Daro School couple hundred acres.

Boundary:

Cover class review: 80% natural cover with much of the remainder reverting back to

Ecological features, EO's, Expected Communities: inland calcareous lakeshore, possibly calcareous fensred oak northern hardwood. Where red oak taken out hardwood maple stand.

SIZE:

Total acreage of the matrix site:	**16,965**
Core acreage of the matrix site:	**11,559**

Total acreage of the matrix site:	16,965
Core acreage of the matrix site:	11,559
% Core acreage of the matrix site:	68
% Core acreage in natural cover:	89
% Core acreage in non- natural cover:	11

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	353
Maximum acreage of any land block within the matrix site:	3,714
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	27
100 - 500	11
500 - 1000	4
1000 - 2000	5
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total			

15 Largest managed area parcels within site

	Name	Acres	Type
0			

LANDCOVER SUMMARY:

Natural Cover: 85 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	44
Evergreen Forest:	17
Mixed Forest:	23
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	85

Non-Natural Cover: 15 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	12
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	15

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	1	0
Local Roads (Class 4):	56	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	59	3

Boundary Linework

% Of site boundry which is made up of major roads: 73

MATRIX SITE: 74
NAME: Beebee Hill
STATE/S: NY

RANK: MY
ELU GROUP: 4a Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **29**

ELEVATION SUMMARY

	Percent
0 - 800ft:	20
800 - 1700ft:	80
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	89
Acidic Shale:	0
Calcareous mod Sedimentary:	10
Acidic Granitic / Mafic:	2
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	8
Sideslope:	25
Cove:	11
Gently Sloping Flat:	24
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	4

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	5
# Species:		2
# Communities:	1	3

STREAMS SUMMARY:

Total miles of streams in the site: **16**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	11	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:	0	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	16	1

DAMS SUMMARY:

Number of dams in the matrix site: **1**
Dams / 100 miles: **6**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	35
Average normal storage of all dams in the site:	35
Maximum drainage area of any dams in the site:	20
Average drainage area of all dams in the site:	20

MATRIX SITE: 75 **RANK:** MY

NAME: October Mountain **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown, mature forest

Logging history: 2nd and 3rd plus

Other comments: exotics

Road density: interior roads are dirt and few houses. Moderate to low.

Unique features: bogs – one is really nice – no name (Weatherbea) Halfway Pond Bog is another.

Aquatic features: north and south pnd. Western boundary is Housatonic.Housatonic has many eo's but PCB's

General comments/rank: MAYBE-YES; not as good as 124. More northern than block just to south. Not many houses. Proximity to suburbanization. But good to have major river in blocks.

Landscape assessment: not good to the west - toast. MA90 to the south. Good to the east and north.

Ownership/ management: 22,000+ in conservation; recreation and selective timbering.

Boundary:

Cover class review: 90%+

Ecological features, EO's, Expected Communities: a few state listed. Bogs. Spruce patches.northern hardwoods, some cherry and oak on the plateau – like the Allegheny.

SIZE:

Total acreage of the matrix site:	**49,387**
Core acreage of the matrix site:	**37,356**

Total acreage of the matrix site:	49,387
Core acreage of the matrix site:	37,356
% Core acreage of the matrix site:	76
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 16 %

Average acreage of land blocks within the matrix site:	642
Maximum acreage of any land block within the matrix site:	8,100
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	8,100
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	16

Internal Land Block Size Distribution:

Acres	# Blocks
<100	38
100 - 500	16
500 - 1000	8
1000 - 2000	6
2000 - 5000	6
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 44 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	13	44	21,744

15 Largest managed area parcels within site

	Name	Acres	Type
1	WASHINGTON MOUNTAIN LAKE	13,947	STA
2	PITTSFIELD WATERSHED	4,001	MUN
3	Unknown Named Parcel	2,233	STA
4	WATER DEPARTMENT	724	MUN
5	OCTOBER MOUNTAIN STATE FOREST	377	STA
6	OCTOBER MOUNTAIN LAKE	238	STA
7	HINSDALE FLATS WMA	79	STA
8	OCTOBER MTN WILDLIFE CORRIDOR	54	PVT
9	OCTOBER MOUNTAIN STATE PARK	37	STA
10	HOUSATONIC VALLEY WMA	23	STA
11	APPALACHIAN TRAIL	20	FED
12	CONSERVATION LAND	12	MUN
13	CANOE MEADOWS	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	52
Evergreen Forest:	9
Mixed Forest:	24
Forested Wetland:	4
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	4
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	5	0
Local Roads (Class 4):	121	2
Railroads:	1	0
Utility Lines:	5	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	132	3

Boundary Linework

% Of site boundry which is made up of major roads: 66

MATRIX SITE: 75
NAME: October Mountain
STATE/S: MA

RANK: MY
ELU GROUP: 8 High to low, primarily mid elevation, sedimentary/granitic with high elevation patches

ECOLOGICAL LAND UNITS:

Total in site: **43**

ELEVATION SUMMARY

	Percent
0 - 800ft:	0
800 - 1700ft:	47
1700 - 2500ft:	53
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	36
Acidic Shale:	0
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	61
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	14
Cove:	9
Gently Sloping Flat:	33
Dry Flat - Till / Patchy Sediment:	23
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	6
# Species:		1
# Communities:	1	5

STREAMS SUMMARY:

Total miles of streams in the site: **56**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	46	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	56	1

DAMS SUMMARY:

Number of dams in the matrix site: **19**
Dams / 100 miles: **34**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	19
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	4
25 - 50	4
50 - 100	6
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	3,225
Average normal storage of all dams in the site:	830
Maximum drainage area of any dams in the site:	3
Average drainage area of all dams in the site:	1

MATRIX SITE: 76 **RANK:** M

NAME: Westhampton **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank: forests are actively logged, interior areas are roadless. Maybe

Landscape assessment:

Ownership/ management: Knightville Dam

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**31,899**
Core acreage of the matrix site:	**24,544**

Total acreage of the matrix site:	31,899
Core acreage of the matrix site:	24,544
% Core acreage of the matrix site:	77
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 61 %

Average acreage of land blocks within the matrix site:	720
Maximum acreage of any land block within the matrix site:	6,668
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	19,491
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	61

Internal Land Block Size Distribution:

Acres	# Blocks
<100	25
100 - 500	11
500 - 1000	2
1000 - 2000	1
2000 - 5000	2
5000 - 10000	3
10000 - 15000	
15000+	

MANAGED AREAS: 23 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	13	23	7,473

15 Largest managed area parcels within site

	Name	Acres	Type
1	KNIGHTVILLE DAM & RESERVATION	2,347	FED
2	HIRAM H. FOX WMA	903	STA
3	WHITE RESERVOIR WATERSHED	842	MUN
4	Unknown Named Parcel	802	STA
5	CHESTERFIELD STATE FOREST	552	STA
6	Unknown Named Parcel	551	MUN
7	Unknown Named Parcel	495	PVT
8	GILBERT A. BLISS STATE FOREST	397	STA
9	ERIC PROPERTY	260	PVT
10	CONSERVATION LAND	255	MUN
11	KRUG SUGARBUSH	63	STA
12	NANCY ERIC PROPERTY	7	PVT
13	WESTFIELD RIVER ACCESS AREA	0	STA

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	41
Evergreen Forest:	13
Mixed Forest:	33
Forested Wetland:	4
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	71	2
Railroads:	0	0
Utility Lines:	8	0
4-Wheel Drive Trails	3	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	83	3

Boundary Linework

% Of site boundry which is made up of major roads: 57

MATRIX SITE: 76
NAME: Westhampton
STATE/S: MA

RANK: M
ELU GROUP: 4a Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **46**

ELEVATION SUMMARY

	Percent
0 - 800ft:	24
800 - 1700ft:	76
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	36
Acidic Shale:	0
Calcareous mod Sedimentary:	51
Acidic Granitic / Mafic:	13
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	16
Cove:	12
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	24
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		1
# Species:		
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **70**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	45	1
Miles of 2nd order streams:	7	0
Miles of 3rd order streams:	7	0
Miles of 4th order streams:		
Miles of 5th order streams:	11	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	70	2

DAMS SUMMARY:

Number of dams in the matrix site: **8**
Dams / 100 miles: **12**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	1
25 - 50	3
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	835
Average normal storage of all dams in the site:	326
Maximum drainage area of any dams in the site:	162
Average drainage area of all dams in the site:	22

MATRIX SITE: 77 **RANK:** MY

NAME: Harvey Mountain **SUBSECTION:** M212Cb Taconic Mountains

STATE/S: MA/NY

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no; good mature forest blocks.

Logging history: sheep farms on New York, 1-6 growth. NY12/8: continued moderate level logging.

Other comments:

Road density: low, one 10,000 acre block.

Unique features: Harvey Mt. highest point in Columbia county.

Aquatic features: nothing on New York side. Green River headwaters – cold trout stream.

General comments/rank: MAYBE- YES, but small, only 10,000 acres.

Landscape assessment: to the east you end up in the Housatonic Valley. Ok north and south.

Ownership/ management: Harvey Mt. SF – 1283, even age stand management; Dammonick Realty – 1000 Yonkers Rod and Gun, 800;; even-age management. – very complex, sounds good. No conservation land in Alford.

Boundary:

Cover class review: 90%+ natural cover in new block

Ecological features, EO's, Expected Communities: NY12/8: oak-maple forest (6173), beech-maple mesic forest (6252)red oak northern hardwood

SIZE:

Total acreage of the matrix site:	**30,713**
Core acreage of the matrix site:	**22,028**

Total acreage of the matrix site:	30,713
Core acreage of the matrix site:	22,028
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	87
% Core acreage in non- natural cover:	13

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 33 %

Average acreage of land blocks within the matrix site:	282
Maximum acreage of any land block within the matrix site:	10,022
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	10,022
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	33

Internal Land Block Size Distribution:

Acres	# Blocks
<100	76
100 - 500	18
500 - 1000	8
1000 - 2000	3
2000 - 5000	2
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 2 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	10	2	764

15 Largest managed area parcels within site

	Name	Acres	Type
1	CONSERVATION LAND	216	PVT
2	MAPLE HILL WMA	213	STA
3	Unknown Named Parcel	143	STA
4	WILLIAM BARRETT PROPERTY	74	PVT
5	MCCALLISTER PARK	64	MUN
6	LAKE MANSFIELD PARK	22	MUN
7	FWR-SHAW LOT	17	PVT
8	FWR-GENNARI LOT	9	PVT
9	ALFORD WILDLIFE SANCT.	3	MUN
10	SOUTH STREET PARK	2	MUN

LANDCOVER SUMMARY:

Natural Cover: 80 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	40
Evergreen Forest:	9
Mixed Forest:	23
Forested Wetland:	5
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	80

Non-Natural Cover: 20 %

	Percent
Low Intensity Developed:	3
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	8
Row Crops:	7
Other Grass (lawns, city parks, golf courses):	2
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	20

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	97	3
Railroads:	4	0
Utility Lines:	0	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	103	3

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 77
NAME: Harvey Mountain
STATE/S: MA/NY

RANK: MY
ELU GROUP: 9 Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **52**

ELEVATION SUMMARY

	Percent
0 - 800ft:	15
800 - 1700ft:	81
1700 - 2500ft:	5
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	26
Acidic Shale:	0
Calcareous mod Sedimentary:	69
Acidic Granitic / Mafic:	6
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	8
Sideslope:	17
Cove:	14
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	16
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	5

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	13
# Species:		1
# Communities:	2	12

STREAMS SUMMARY:

Total miles of streams in the site: **36**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	14	0
Miles of 2nd order streams:	13	0
Miles of 3rd order streams:	9	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	36	1

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **6**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	520
Average normal storage of all dams in the site:	473
Maximum drainage area of any dams in the site:	240
Average drainage area of all dams in the site:	122

MATRIX SITE: 78 **RANK:** M

NAME: Harlemville **SUBSECTION:** 221Bb Taconic Foothills

STATE/S: NY

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no, 100 acre blocks of 80 + year old forest.
Logging history:	former sheep farms, 1-6 cuts since 100 years ago and charcoaling.
Other comments:	sheep farms now in row crop use.
Road density:	pretty heavily roaded, both paved and gravel.
Unique features:	unknown
Aquatic features:	unknown.
General comments/rank:	developing quickly, MAYBE NO. NY12/8: Maybe Yes
Landscape assessment:	good wooded block to the north, west is agricuture and parkway. Forested to east.
Ownership/ management:	no protected lands, small private woodlots.
Boundary:	
Cover class review:	70% natural cover and some field reverting

Ecological features, EO's, Expected Communities: NY12/8: Red oak northern hardwood. Matrix forest oak-maple (6173).red oak northern hardwood.

SIZE:

Total acreage of the matrix site:	**35,495**
Core acreage of the matrix site:	**24,384**

Total acreage of the matrix site:	35,495
Core acreage of the matrix site:	24,384
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	86
% Core acreage in non- natural cover:	14

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	432
Maximum acreage of any land block within the matrix site:	3,594
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	45
100 - 500	14
500 - 1000	11
1000 - 2000	7
2000 - 5000	5
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total			

15 Largest managed area parcels within site

	Name	Acres	Type
0			

LANDCOVER SUMMARY:

Natural Cover: 81 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	44
Evergreen Forest:	4
Mixed Forest:	32
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	81

Non-Natural Cover: 19 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	15
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	19

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	120	3
Railroads:	1	0
Utility Lines:	5	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	129	4

Boundary Linework

% Of site boundry which is made up of major roads:	82

MATRIX SITE: **78**
NAME: **Harlemville**
STATE/S: **NY**

RANK: **M**
ELU GROUP: **10** Mid elevation shale and sedimentary, little granite

ECOLOGICAL LAND UNITS:

Total in site: **43**

ELEVATION SUMMARY

	Percent
0 - 800ft:	25
800 - 1700ft:	75
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	64
Acidic Shale:	27
Calcareous mod Sedimentary:	9
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	6
Sideslope:	20
Cove:	10
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	16
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	5

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		2
# Species:		
# Communities:		2

STREAMS SUMMARY:

Total miles of streams in the site: **44**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	35	1
Miles of 2nd order streams:	8	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	44	1

DAMS SUMMARY:

Number of dams in the matrix site: **4**
Dams / 100 miles: **9**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	515
Average normal storage of all dams in the site:	183
Maximum drainage area of any dams in the site:	0
Average drainage area of all dams in the site:	0

MATRIX SITE: 79 **RANK:** MY

NAME: Beartown **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no. mature forest – yes with cherry. 50% mature

Logging history: tyringham valley. All logged once. 3rd and 4th growth

Other comments: not a lot of invasives in Beartown. In the valley there are many invasives.

Road density: moderate to low. Many closed in winter, gravel and unmaintained.

Unique features: Ice Glen – old growth around big "cobbles",

Ecological features, EO's, Expected Communities: rarities in Hop Brook. Upper Goose has rarities.northern hardwoods

Aquatic features: Konkapot Brook has rarities. Upper Goose pond– almost fully protected pondshore. Hop Brook valley is flat – post glacial.

General comments/rank: MAYBE-YES. Tyringham valley looks bad but Beartown is one of largest unfragmented blocks in state

Landscape assessment: poor to the north and west. Good to the south and east.

Ownership/ management: 15,000 in conservation. Mostly Dem some federal on AT

Boundary:

Cover class review: 80% natural cover

SIZE:

Total acreage of the matrix site:	**49,805**
Core acreage of the matrix site:	**38,592**

Total acreage of the matrix site:	49,805
Core acreage of the matrix site:	38,592
% Core acreage of the matrix site:	77
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 27 %

Average acreage of land blocks within the matrix site:	672
Maximum acreage of any land block within the matrix site:	6,860
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	13,499
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	27

Internal Land Block Size Distribution:

Acres	# Blocks
<100	43
100 - 500	7
500 - 1000	9
1000 - 2000	5
2000 - 5000	7
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 30 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	21	30	15,142

15 Largest managed area parcels within site

	Name	Acres	Type
1	BEARTOWN STATE FOREST	11,222	STA
2	APPALACHIAN TRAIL CORRIDOR	1,505	FED
3	MCLENNAN RESERVATION	390	PVT
4	HOP BROOK WMA	347	STA
5	BECKET WMA	235	STA
6	OTIS STATE FOREST	222	STA
7	COBBLE HILL	219	PVT
8	APPALACHIAN TRAIL	198	FED
9	GREAT BARRINGTON STATE FOREST	195	STA
10	SUNSET FARM	164	PVT
11	GOOSE POND RESERVATION	106	PVT
12	ALSOP LAND	83	OTH
13	Unknown Named Parcel	80	STA
14	Unknown Named Parcel	71	PVT
15	McLennan Reservation	57	PVT

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	55
Evergreen Forest:	9
Mixed Forest:	24
Forested Wetland:	2
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	123	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	3	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	126	3

Boundary Linework

% Of site boundry which is made up of major roads: 83

MATRIX SITE: 79
NAME: Beartown
STATE/S: MA

RANK: MY
ELU GROUP: 7a Mid to low elevelation sedimentary and granitic sites with minor calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **54**

ELEVATION SUMMARY

	Percent
0 - 800ft:	2
800 - 1700ft:	80
1700 - 2500ft:	18
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	8
Acidic Shale:	0
Calcareous mod Sedimentary:	18
Acidic Granitic / Mafic:	74
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	18
Cove:	14
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	15
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	7
# Species:	1	
# Communities:		7

STREAMS SUMMARY:

Total miles of streams in the site: **60**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	41	1
Miles of 2nd order streams:	18	0
Miles of 3rd order streams:	0	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	60	1

DAMS SUMMARY:

Number of dams in the matrix site: **11**
Dams / 100 miles: **18**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	8
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	8
5 - 25	1
25 - 50	
50 - 100	2
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,500
Average normal storage of all dams in the site:	284
Maximum drainage area of any dams in the site:	244
Average drainage area of all dams in the site:	26

MATRIX SITE: 80 **RANK:** MY

NAME: Tekoa **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history: yes, selective.

Other comments: one big 10,000 acre block

Road density: moderate to low.

Unique features:

Ecological features, EO's, Expected Communities: rattlesnake, bear, pitchpine barrens –recently burnt.all oaks with ericad.

Aquatic features: westfield river main stem with mussels.

General comments/rank: MAYBE YES

Landscape assessment: toast to east, good to west.

Ownership/ management: 2000 watershed for westfield, 1000 DFW, DEM - ? 1000's

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**25,243**
Core acreage of the matrix site:	**20,103**

Total acreage of the matrix site:	25,243
Core acreage of the matrix site:	20,103
% Core acreage of the matrix site:	80
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 38 %

Average acreage of land blocks within the matrix site:	721
Maximum acreage of any land block within the matrix site:	9,605
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	9,605
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	38

Internal Land Block Size Distribution:

Acres	# Blocks
<100	19
100 - 500	8
500 - 1000	3
1000 - 2000	1
2000 - 5000	2
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 26 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	9	26	6,582

15 Largest managed area parcels within site

	Name	Acres	Type
1	WESTFIELD WATERSHED	2,330	MUN
2	HOLYOKE WATERSHED LANDS	2,128	MUN
3	WHITE RESERVOIR WATERSHED	1,171	MUN
4	HUNTINGTON STATE FOREST	730	STA
5	JOY HILL	81	PVT
6	POMEROY MOUNTAIN	79	MUN
7	GRACE A. ROBSON SANCTUARY	61	STA
8	Huntington State Forest	2	STA
9	LYNES PROPERTY	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	48
Evergreen Forest:	8
Mixed Forest:	27
Forested Wetland:	5
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	51	2
Railroads:	4	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	55	2

Boundary Linework

% Of site boundry which is made up of major roads: 28

MATRIX SITE: **80**
NAME: **Tekoa**
STATE/S: **MA**

RANK: **MY**
ELU GROUP: **4a** Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **48**

ELEVATION SUMMARY

	Percent
0 - 800ft:	50
800 - 1700ft:	50
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	71
Acidic Shale:	0
Calcareous mod Sedimentary:	25
Acidic Granitic / Mafic:	3
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	5
Sideslope:	18
Cove:	12
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	17
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	1
# Species:	1	
# Communities:	2	1

STREAMS SUMMARY:

Total miles of streams in the site: **42**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	35	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:	1	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	42	2

DAMS SUMMARY:

Number of dams in the matrix site: **7**
Dams / 100 miles: **17**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	2
25 - 50	
50 - 100	1
100 - 250	1
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	17,214
Average normal storage of all dams in the site:	3,120
Maximum drainage area of any dams in the site:	346
Average drainage area of all dams in the site:	50

MATRIX SITE: 81
NAME: Otis
STATE/S: MA

RANK: M
SUBSECTION: M212Cc Berkshire-Vermont Upland

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown

Logging history: yes

Other comments: usual, with phrag coming in from pike

Road density: moderate but many gravel, moderately maintained. Not for the faint of heart.

Unique features:

Aquatic features: Farmington river, bogs, some ponds with active beaver.

General comments/rank: MAYBE.

Landscape assessment: pike to north, 23 to the south.

Ownership/ management: private woodlots, 7,000 conservation with more coming, 1000 DFW

Boundary:

Cover class review: 90%+

Ecological features, EO's, Expected Communities: alasmidonta varicosa, level bog, dwarf mistletoe. Good trout streamshigh elevation level bogs with spruce, larch. Northern hardwoods.

SIZE:

Total acreage of the matrix site:	**20,875**
Core acreage of the matrix site:	**14,463**

Total acreage of the matrix site:	20,875
Core acreage of the matrix site:	14,463
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	371
Maximum acreage of any land block within the matrix site:	3,555
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	36
100 - 500	8
500 - 1000	2
1000 - 2000	5
2000 - 5000	3
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 33 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	7	33	6,974

15 Largest managed area parcels within site

	Name	Acres	Type
1	Unknown Named Parcel	4,857	MUN
2	OTIS STATE FOREST	1,379	STA
3	CHESTER-BLANDFORD STATE FOREST	292	STA
4	Unknown Named Parcel	256	STA
5	OTIS WMA	105	STA
6	ARMS ACRES	86	PVT
7	CONSERVATION LAND	0	MUN

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	5
Transitional Barren:	0
Deciduous Forest:	40
Evergreen Forest:	10
Mixed Forest:	29
Forested Wetland:	8
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	2
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	1	0
Local Roads (Class 4):	56	3
Railroads:	0	0
Utility Lines:	8	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	66	3

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 81
NAME: Otis
STATE/S: MA

RANK: M
ELU GROUP: 6b Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **38**

ELEVATION SUMMARY

	Percent
0 - 800ft:	0
800 - 1700ft:	98
1700 - 2500ft:	2
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	44
Acidic Shale:	0
Calcareous mod Sedimentary:	8
Acidic Granitic / Mafic:	48
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	8
Cove:	5
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	33
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	4
# Species:		2
# Communities:	2	2

STREAMS SUMMARY:

Total miles of streams in the site: **30**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	22	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:	4	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	30	1

DAMS SUMMARY:

Number of dams in the matrix site: **4**
Dams / 100 miles: **13**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	3
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	220
Average normal storage of all dams in the site:	138
Maximum drainage area of any dams in the site:	16
Average drainage area of all dams in the site:	4

MATRIX SITE: 82 **RANK:** MY

NAME: New Marlborough **SUBSECTION:** M212Cc Berkshire-Vermont Upland

STATE/S: MA/CT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown. Mature – greater than 50% iffy

Logging history: 2nd and 3rd class, lots of old farms and fields.

Other comments: exotics

Road density: moderate. Mostly paved.

Unique features: talus slopes, Alum Hill – dry calcareous, floating islands at three mile pond.

Ecological features, EO's, Expected Communities: Ribbon snake Fen site. Alum Hill site, Chamalerium luteum.

Aquatic features: red oak – beech – white pine.Iron Work Brook – Black Cohosh. East Indiaes ponds very remote.

General comments/rank:

Landscape assessment:

Ownership/ management: 20,000 protected, DEM, DFW.

Boundary:

Cover class review: 80% natural cover.

SIZE:

Total acreage of the matrix site:	**109,496**
Core acreage of the matrix site:	**79,246**

Total acreage of the matrix site:	109,496
Core acreage of the matrix site:	79,246
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	93
% Core acreage in non- natural cover:	7

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 12 %

Average acreage of land blocks within the matrix site:	497
Maximum acreage of any land block within the matrix site:	7,436
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	13,392
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	12

Internal Land Block Size Distribution:

Acres	# Blocks
<100	106
100 - 500	52
500 - 1000	24
1000 - 2000	22
2000 - 5000	11
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 18 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	50	18	19,379

15 Largest managed area parcels within site

	Name	Acres	Type
1	SANDISFIELD STATE FOREST	5,409	STA
2	COOKSON STATE PARK	2,798	STA
3	EAST MOUNTAIN STATE FOREST	1,961	STA
4	OTIS STATE FOREST	1,360	STA
5	CONSERVATION LAND	1,359	PVT
6	CAMP JEWELL OUTDOOR CENTER (YMCA OF HARTFORD, INC.	988	PVT
7	Unknown Named Parcel	954	PVT
8	THREE MILE POND WMA	880	STA
9	DOOLITTLE LAKE COMPANY	467	PVT
10	HAYSTACK MOUNTAIN STATE PARK	377	STA
11	BLACKBERRY RIVER FLOOD CONTROL SITE #1 (IN MASSACH	373	STA
12	ALGONQUIN STATE FOREST	242	STA
13	APPALACHIAN TRAIL CORRIDOR	201	FED
14	BLACKBERRY RIVER FLOOD CONTROL SITE #15	187	STA
15	SILVER BROOK NORTH	160	STA

LANDCOVER SUMMARY:

Natural Cover: 90 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	51
Evergreen Forest:	9
Mixed Forest:	23
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	90

Non-Natural Cover: 10 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	10

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	24	0
Local Roads (Class 4):	329	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	2	0
TOTAL:	356	3

Boundary Linework

% Of site boundry which is made up of major roads: 76

MATRIX SITE: 82
NAME: New Marlborough
STATE/S: MA/CT

RANK: MY
ELU GROUP: 4a Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **54**

ELEVATION SUMMARY

	Percent
0 - 800ft:	7
800 - 1700ft:	93
1700 - 2500ft:	1
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	33
Acidic Shale:	0
Calcareous mod Sedimentary:	22
Acidic Granitic / Mafic:	46
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	13
Cove:	8
Gently Sloping Flat:	32
Dry Flat - Till / Patchy Sediment:	23
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	9	26
# Species:	3	9
# Communities:	6	17

STREAMS SUMMARY:

Total miles of streams in the site: **125**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	69	1
Miles of 2nd order streams:	36	0
Miles of 3rd order streams:	17	0
Miles of 4th order streams:	3	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	125	1

DAMS SUMMARY:

Number of dams in the matrix site: **32**
Dams / 100 miles: **26**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	26
100 - 500 acre - feet	3
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	11
5 - 25	13
25 - 50	5
50 - 100	3
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,387
Average normal storage of all dams in the site:	330
Maximum drainage area of any dams in the site:	150
Average drainage area of all dams in the site:	10

MATRIX SITE: 83 **RANK:** Y

NAME: Mt. Washington - Mt. Riga **SUBSECTION:** M212Cb Taconic Mountains

STATE/S: MA/CT/NY

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: yes, old growth red spruce in ravines on Mt. Riga – 10 acres. Mature forest

Logging history: charcoaled a number of times. Completely denuded. Lots of sheep pasture, some burning of slash, all stopped turn of the century. Selective cutting more recently. Not much spraying for gypsy moth in CT. does has old growth now.

Other comments: pretty intact. True primary succession forest that is young does occur here – rare in CT. does not include stateline swamp site.

Road density: moderate too low, mostly gravel.

Unique features: proliferation of American chestnut as a shrub layer species. Dwarf pitchpine forest. Moth fauna that resembles coastal barrens. Calcareous caves.

Aquatic features: Riga Lake, Bingham Pond – high elevation oligotrophic. only ones in state. Platain Pond – same. Tallest single drop falls in southern new endland and Bear ROCK falls – multiple drop. Native brook trout streams with slimy sculpin and northern spring sathese are likely stocked, except Bingham; good. MA has native brook trout runs.

General comments/rank: constant tension between AT and other landowners, continued logging - selective and small clear-cut - Yes

Landscape assessment: to the south, Rt 44 is a busy state road, agriculture to the south. Rural residential agri. + wetland to east. Landscape surrounding it is not great - it is a peninsula. Good wetlands to east.

Ownership/ management: Mt Riga Assoc. 2,500 acres – passive recreation with selective logging NY12/8: Taconic State Park 5,000 acres.

Boundary:

Cover class review: 90% +

Ecological features, EO's, Expected Communities: rocky summit, taus slope, pitch pine oak, Aeshna mutata. Possible state-rare occurrences for invertebrates. All neotrops on list recorded in Mt. Washington. Jefferson Salamanders, loads of rare species. Hickory-hop hornbeam. Rich mesic calcareous. NY12/98: matrix forest chestnut oak forest (6282).red oak-maple-beech. Chestnut-white-black oak hardwoods. this site may not have matrix – complex of many patch types.

SIZE:

Total acreage of the matrix site:	**47,491**
Core acreage of the matrix site:	**37,283**

Total acreage of the matrix site:	47,491
Core acreage of the matrix site:	37,283
% Core acreage of the matrix site:	79
% Core acreage in natural cover:	91
% Core acreage in non- natural cover:	9

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 75 %

Average acreage of land blocks within the matrix site:	671
Maximum acreage of any land block within the matrix site:	19,571
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	35,677
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	75

Internal Land Block Size Distribution:

Acres	# Blocks
<100	54
100 - 500	7
500 - 1000	3
1000 - 2000	2
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	2

MANAGED AREAS: 28 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	25	28	13,192

15 Largest managed area parcels within site

	Name	Acres	Type
1	MT WASHINGTON STATE FOREST	4,649	STA
2	TACONIC STATE PARK	1,789	STA
3	MT EVERETT STATE RES	1,672	STA
4	NATIONAL PARK SERVICE	1,416	FED
5	INHOLDING	1,148	STA
6	Unknown Named Parcel	597	STA
7	Unknown Named Parcel	533	PVT
8	BASHBISH FALLS STATE PARK	467	STA
9	MOUNT RIGA STATE PARK SCENIC RESERVE	317	STA
10	APPALACHIAN TRAIL CORRIDOR	173	FED
11	CAMP SLOANE	169	PVT
12	APPALACHAIN MOUNTAIN CLUB	85	PVT
13	BLACK ROCK	74	PVT
14	JUG END FEN	47	STA
15	SCENIC EASEMENT	33	U

LANDCOVER SUMMARY:

Natural Cover: 86 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	54
Evergreen Forest:	7
Mixed Forest:	20
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	86

Non-Natural Cover: 14 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	6
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	14

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	1	0
Local Roads (Class 4):	111	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	1	0
TOTAL:	114	2

Boundary Linework

% Of site boundry which is made up of major roads: 66

MATRIX SITE: 83
NAME: Mt. Washington - Mt. Riga
STATE/S: MA/CT/NY

RANK: Y
ELU GROUP: 9 Diverse, very low to high, sedimentary and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **48**

ELEVATION SUMMARY

	Percent
0 - 800ft:	13
800 - 1700ft:	58
1700 - 2500ft:	29
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	56
Acidic Shale:	0
Calcareous mod Sedimentary:	44
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	2
Upper slope / Summit:	11
Sideslope:	22
Cove:	20
Gently Sloping Flat:	18
Dry Flat - Till / Patchy Sediment:	9
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	25	73
# Species:	8	38
# Communities:	17	35

STREAMS SUMMARY:

Total miles of streams in the site: **56**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	45	1
Miles of 2nd order streams:	8	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	56	1

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **11**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	2
25 - 50	2
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	765
Average normal storage of all dams in the site:	339
Maximum drainage area of any dams in the site:	153
Average drainage area of all dams in the site:	27

MATRIX SITE: 84 **RANK:** U

NAME: "unknown"

STATE/S: MA/CT **SUBSECTION:** 221Ah Worcester-Monadnock Plateau

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	17,759
Core acreage of the matrix site:	11,784

Total acreage of the matrix site:	17,759
Core acreage of the matrix site:	11,784
% Core acreage of the matrix site:	66
% Core acreage in natural cover:	93
% Core acreage in non- natural cover:	7

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 30 %

Average acreage of land blocks within the matrix site:	311
Maximum acreage of any land block within the matrix site:	5,317
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	5,317
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	30

Internal Land Block Size Distribution:

Acres	# Blocks
<100	30
100 - 500	17
500 - 1000	5
1000 - 2000	3
2000 - 5000	
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 31 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	7	31	5,429

15 Largest managed area parcels within site

	Name	Acres	Type
1	BRIMFIELD STATE FOREST	3,224	STA
2	NORCROSS WILDLIFE SANCTUARY	1,910	PVT
3	WALES WMA	199	STA
4	MINERAL SPRINGS CAMPGROUND	73	PVT
5	Unknown Named Parcel	17	STA
6	DEGREGORIO CONS. AREA	4	MUN
7	HAYNES HILL CR	3	PVT

LANDCOVER SUMMARY:

Natural Cover: 88 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	62
Evergreen Forest:	3
Mixed Forest:	14
Forested Wetland:	5
Emergent Herbaceous Wetland:	3
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	88

Non-Natural Cover: 12 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	12

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	66	4
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	69	4

Boundary Linework

% Of site boundry which is made up of major roads: 64

MATRIX SITE: 84
NAME: "unknown"
STATE/S: MA/CT

RANK: U
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **30**

ELEVATION SUMMARY

	Percent
0 - 800ft:	27
800 - 1700ft:	73
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	95
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	5
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	11
Cove:	6
Gently Sloping Flat:	31
Dry Flat - Till / Patchy Sediment:	24
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		
# Species:		
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **37**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	28	2
Miles of 2nd order streams:	8	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	37	2

DAMS SUMMARY:

Number of dams in the matrix site: **8**
Dams / 100 miles: **22**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	5
100 - 500 acre - feet	3
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	8
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	51
Average normal storage of all dams in the site:	29
Maximum drainage area of any dams in the site:	11
Average drainage area of all dams in the site:	4

MATRIX SITE: 85
NAME: Barkhamstead/Granville
STATE/S: CT/MA

In final portfolio, boundaries changed, areas GREW and SHRUNK.

RANK: Y
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities: oak-maple, oak ericad.

Aquatic features:

General comments/rank: condition appears such that roads may not be great feature. CTFO to drive roads and play Frisbee. MAYBE

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**114,891**
Core acreage of the matrix site:	**82,629**

Total acreage of the matrix site:	114,891
Core acreage of the matrix site:	82,629
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 18 %

Average acreage of land blocks within the matrix site:	561
Maximum acreage of any land block within the matrix site:	10,316
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	20,937
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	18

Internal Land Block Size Distribution:

Acres	# Blocks
<100	111
100 - 500	36
500 - 1000	13
1000 - 2000	16
2000 - 5000	15
5000 - 10000	2
10000 - 15000	1
15000+	

MANAGED AREAS: 35 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	28	35	39,782

15 Largest managed area parcels within site

	Name	Acres	Type
1	Unknown Named Parcel	10,613	MUN
2	TUNXIS STATE FOREST	9,738	STA
3	FARMINGTON RIVER WATERSHED	4,729	OTH
4	TOLLAND STATE FOREST	4,410	STA
5	PEOPLES STATE FOREST	3,088	STA
6	GRANVILLE STATE FOREST	2,382	STA
7	Unknown Named Parcel	1,634	PVT
8	AMERICAN LEGION STATE FOREST	939	STA
9	OTIS STATE FOREST	652	STA
10	Unknown Named Parcel	563	OTH
11	FOWLER PROPERTY	420	PVT
12	WESTFIELD WMA	190	STA
13	CLARK PROPERTY	113	PVT
14	ALGONQUIN STATE FOREST	102	STA
15	CHARLIE ARNOLD PROPERTY	89	MUN

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	6
Transitional Barren:	0
Deciduous Forest:	40
Evergreen Forest:	12
Mixed Forest:	33
Forested Wetland:	4
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	48	0
Local Roads (Class 4):	298	3
Railroads:	0	0
Utility Lines:	6	0
4-Wheel Drive Trails	2	0
Foot Trails:	0	0
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	354	3

Boundary Linework

% Of site boundry which is made up of major roads: 89

MATRIX SITE: 85
NAME: Barkhamstead/Granville
STATE/S: CT/MA

RANK: Y
ELU GROUP: 4a Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **50**

ELEVATION SUMMARY

	Percent
0 - 800ft:	20
800 - 1700ft:	80
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	64
Acidic Shale:	0
Calcareous mod Sedimentary:	13
Acidic Granitic / Mafic:	23
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	14
Cove:	9
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	22
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	5	8
# Species:	2	3
# Communities:	3	5

STREAMS SUMMARY:

Total miles of streams in the site: **171**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	113	1
Miles of 2nd order streams:	29	0
Miles of 3rd order streams:	15	0
Miles of 4th order streams:	11	0
Miles of 5th order streams:	4	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	171	1

DAMS SUMMARY:

Number of dams in the matrix site: **21**
Dams / 100 miles: **12**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	10
100 - 500 acre - feet	7
500 - 1000 acre - feet	
1000 - 2000 acre - feet	2
2000 - 5000 acre - feet	2
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	8
5 - 25	5
25 - 50	
50 - 100	3
100 - 250	
250 - 500	2
500 - 1000	2
1000 - 25000	1

Maximum normal storage of any dams in the site:	113,000
Average normal storage of all dams in the site:	9,648
Maximum drainage area of any dams in the site:	120
Average drainage area of all dams in the site:	20

MATRIX SITE: 86 **RANK:** M

NAME: Nipmuck **SUBSECTION:** 221Ah Worcester-Monadnock Plateau

STATE/S: CT/MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	unknown, mature forest possibly on stafford mountain.
Logging history:	3rd and 4th growth, less charcoaling
Other comments:	
Road density:	moderate to high, not looking good.
Unique features:	not well known
Ecological features, EO's, Expected Communities:	unknownoak-hickory, red oak - hardwood
Aquatic features:	small pondslargely unknown
General comments/rank:	MAYBE
Landscape assessment:	rural, some development on the south.
Ownership/ management:	Nipmuck – 4,000, logging yes small clearcuts, less charcoaling
Boundary:	
Cover class review:	0.9

SIZE:

Total acreage of the matrix site:	14,731
Core acreage of the matrix site:	9,978

Total acreage of the matrix site:	14,731
Core acreage of the matrix site:	9,978
% Core acreage of the matrix site:	68
% Core acreage in natural cover:	93
% Core acreage in non- natural cover:	7

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	519
Maximum acreage of any land block within the matrix site:	3,542
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	11
100 - 500	7
500 - 1000	5
1000 - 2000	3
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 26 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	2	26	3,868

15 Largest managed area parcels within site

	Name	Acres	Type
1	NIPMUCK STATE FOREST	3,774	STA
2	ROARING BROOK CAMPGROUND	94	PVT

LANDCOVER SUMMARY:

Natural Cover: 88 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	46
Evergreen Forest:	7
Mixed Forest:	26
Forested Wetland:	6
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	88

Non-Natural Cover: 12 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	12

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	48	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	48	3

Boundary Linework

% Of site boundry which is made up of major roads:	62

MATRIX SITE: 86
NAME: Nipmuck
STATE/S: CT/MA

RANK: M
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **27**

ELEVATION SUMMARY

	Percent
0 - 800ft:	20
800 - 1700ft:	80
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	89
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	11
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	10
Cove:	3
Gently Sloping Flat:	34
Dry Flat - Till / Patchy Sediment:	32
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		3
# Species:		1
# Communities:		2

STREAMS SUMMARY:

Total miles of streams in the site: **17**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	12	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	17	1

DAMS SUMMARY:

Number of dams in the matrix site: **10**
Dams / 100 miles: **58**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	6
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	5
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,800
Average normal storage of all dams in the site:	321
Maximum drainage area of any dams in the site:	16
Average drainage area of all dams in the site:	6

MATRIX SITE: 87
NAME: Yale-Myers Forest
STATE/S: CT/MA

In final portfolio, boundaries changed, areas GREW and SHRUNK.

RANK: Y

SUBSECTION: 221Ag Southeast New England Coastal Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown. Mature forest

Logging history: less charcoaling in this area. Probably 3rd and 4th growth. Logging continuing.

Other comments:

Road density: moderate – moderate high.

Unique features: Boston Hollow Ravine. Geology is different with NE to SW trending ridges and valleys

Aquatic features: Boston Hollow Ravine – aquatic features unknown. Breakneck Pond, Mashapaug Pond – no roads to these ponds.good.

General comments/rank: YES

Landscape assessment: rural, major interstate 84 to the west. Rural all the way round.

Ownership/ management: Yale Forest (8000 or 2800) – research and timber management and harvesting. – Natchaug State Forest – actively managed for timber, small clear cut, selection cut. – 2000. Hull Forest Products – 300+ - timber management (may purchase Peck Timber lands) . Boy Scouts , 1000?? – recreation and otherwise running amuck. Remainder small woodlot and residential

Boundary:

Cover class review: 90% natural cover

Ecological features, EO's, Expected Communities: acidic talus forest\woodland, poor fen, some g4- some g5. Goldie's fern – c occurrence.oak-hickory, mesic red oak hardwood forest.

SIZE:

Total acreage of the matrix site:	**36,589**
Core acreage of the matrix site:	**24,272**

Total acreage of the matrix site:	36,589
Core acreage of the matrix site:	24,272
% Core acreage of the matrix site:	66
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 25 %

Average acreage of land blocks within the matrix site:	328
Maximum acreage of any land block within the matrix site:	9,134
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	9,134
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	25

Internal Land Block Size Distribution:

Acres	# Blocks
<100	56
100 - 500	30
500 - 1000	16
1000 - 2000	4
2000 - 5000	1
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 27 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	20	27	9,872

15 Largest managed area parcels within site

	Name	Acres	Type
1	NIPMUCK STATE FOREST	3,287	STA
2	YALE FOREST	2,655	PVT
3	NATCHAUG STATE FOREST	1,835	STA
4	BREAKNECK BROOK WMA	822	STA
5	BIGELOW HOLLOW STATE PARK	511	STA
6	THE HOLE IN THE WALL GANG CAMP FUND, INC. ,	295	PVT
7	YALE FOREST (3 PARCELS)	205	PVT
8	YALE FOREST (1 PARCEL)	75	PVT
9	GOODELL	49	PVT
10	CAMP NANACO (LONG RIVERS COUNCIL, INC. BOY SCOUTS)	40	PVT
11	MOREY POND	37	STA
12	CAMP KEEMOSAHBEE (LONG RIVERS COUNCIL, BOY SCOUTS)	33	PVT
13	ASHFORD COMMON	12	MUN
14	CAMP POMERAUG (BOY SCOUTS OF AMERICA)	10	PVT
15	TOWN OFFICE	4	MUN

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	39
Evergreen Forest:	10
Mixed Forest:	32
Forested Wetland:	5
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	2	0
Local Roads (Class 4):	131	4
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	5	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	138	4

Boundary Linework

% Of site boundry which is made up of major roads: 93

MATRIX SITE: 87
NAME: Yale-Myers Forest
STATE/S: CT/MA

RANK: Y
ELU GROUP: 6a Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **30**

ELEVATION SUMMARY

	Percent
0 - 800ft:	74
800 - 1700ft:	26
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	94
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	6
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	8
Cove:	3
Gently Sloping Flat:	31
Dry Flat - Till / Patchy Sediment:	33
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	1
# Species:	1	1
# Communities:	2	

STREAMS SUMMARY:

Total miles of streams in the site: **46**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	27	1
Miles of 2nd order streams:	15	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:	3	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	46	1

DAMS SUMMARY:

Number of dams in the matrix site: **16**
Dams / 100 miles: **35**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	9
100 - 500 acre - feet	6
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	8
25 - 50	2
50 - 100	
100 - 250	
250 - 500	3
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	5,300
Average normal storage of all dams in the site:	1,229
Maximum drainage area of any dams in the site:	51
Average drainage area of all dams in the site:	7

MATRIX SITE: 88 **RANK:** M

NAME: Schenipsit **SUBSECTION:** 221Ag Southeast New England Coastal Hills and Plains

STATE/S: CT/MA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown, less charcoaling in northern CT, probably more mature forests

Logging history: less charcoaling, 3rd and 4th growth

Other comments:

Road density: moderate to high.

Unique features: unknown, gneiss block at edge of sedimentary.

Aquatic features: charter's Brook ?unknown

General comments/rank: maybe

Landscape assessment: developed to west, low dev. To south. North and east slightly better.

Ownership/ management: Shenipsit state forest – current logging – 6,000; private woodlot.

Boundary:

Cover class review: 90% natural cover

Ecological features, EO's, Expected Communities: none known, historic Alasmidonta heterodon.red-oak hardwood, oak-hickory

SIZE:

Total acreage of the matrix site:	**33,029**
Core acreage of the matrix site:	**22,125**

Total acreage of the matrix site:	33,029
Core acreage of the matrix site:	22,125
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	416
Maximum acreage of any land block within the matrix site:	3,305
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	36
100 - 500	20
500 - 1000	13
1000 - 2000	8
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 21 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	10	21	6,793

15 Largest managed area parcels within site

	Name	Acres	Type
1	SHENIPSIT STATE FOREST	5,777	STA
2	FURNACE BROOK-MIDDLE RIVER FLOOD CONTROL SITE #5	547	STA
3	FURNACE BROOK-MIDDLE RIVER FLOOD CONTROL SITE #1	155	STA
4	LAKE MARK	118	PVT
5	FURNACE BROOK-MIDDLE RIVER FLOOD CONTROL SITE #2	50	STA
6	FURNACE BROOK-MIDDLE RIVER FLOOD CONTROL SITE #6	43	STA
7	STAFFORD WOOD WEST CAMPGROUND	41	PVT
8	FURNACE BROOK-MIDDLE RIVER FLOOD CONTROL SITE #3	27	STA
9	KIMBALL FOREST (TOWN FOREST)	24	MUN
10	Laughing Brook	11	PVT

LANDCOVER SUMMARY:

Natural Cover: 90 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	63
Evergreen Forest:	4
Mixed Forest:	18
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	90

Non-Natural Cover: 10 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	10

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	6	0
Local Roads (Class 4):	112	3
Railroads:	5	0
Utility Lines:	0	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	125	4

Boundary Linework

% Of site boundry which is made up of major roads: 87

MATRIX SITE: 88
NAME: Schenipsit
STATE/S: CT/MA

RANK: M
ELU GROUP: 4b — Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **41**

ELEVATION SUMMARY

	Percent
0 - 800ft:	77
800 - 1700ft:	23
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	12
Acidic Shale:	0
Calcareous mod Sedimentary:	2
Acidic Granitic / Mafic:	86
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	16
Cove:	8
Gently Sloping Flat:	33
Dry Flat - Till / Patchy Sediment:	17
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	3
# Species:	1	2
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **52**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	35	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	7	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	52	2

DAMS SUMMARY:

Number of dams in the matrix site: **13**
Dams / 100 miles: **25**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	8
100 - 500 acre - feet	4
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	5
5 - 25	5
25 - 50	1
50 - 100	1
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	4,070
Average normal storage of all dams in the site:	562
Maximum drainage area of any dams in the site:	57
Average drainage area of all dams in the site:	9

MATRIX SITE: 89 **RANK:** MY

NAME: George Washington **SUBSECTION:** 221Ag Southeast New England Coastal Hills and Plains

STATE/S: RI/CT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no. some mature forest of 80 years plus.

Logging history: yes, 3rd and 4th growth, continuing mostly for fire wood.

Other comments: one area is a research site for gypsy moth spraying in the mid-1980's.

Road density: moderate.

Unique features: Bowdish Reservoir. floating islands with trees, believed to be organic mats torn away from the shore when dammed.

Aquatic features: Cedar Swamp Pond – combination of AWC and quagmire and surrounded bygood condition of cedar swamp bog.

General comments/rank: slightly small, but apprears to have all the features. MAYBE, MAYBE-YES. CT portion of western portion has been x'd out.

Landscape assessment: developed on west, road to north Rt 100 is fragmenting feature. South and north are wild. East is developed along the lake.

Ownership/ management: 4,400 mostly Bureau of Forestry; Boy scouts own some. Utility rights-of-way in block – sprayed with herbicide.

Boundary:

Cover class review: 88% natural cover

Ecological features, EO's, Expected Communities: Pinus strobus, quercus, fagus. southern version of northern hardwoods. Some pure hemlock stands. Some old stand of AWC.Enallagma pictum (G3) – new record. AWC swamp, level bog, coastal quagmire. Rynchospora inundata, Eleocharis equesitoides, larch and black spruce and xyris montana.

SIZE:

Total acreage of the matrix site: **12,601**

Core acreage of the matrix site: **8,502**

Total acreage of the matrix site:	12,601
Core acreage of the matrix site:	8,502
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	99
% Core acreage in non- natural cover:	1

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	313
Maximum acreage of any land block within the matrix site:	2,071
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	23
100 - 500	7
500 - 1000	6
1000 - 2000	2
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 30 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	8	30	3,728

15 Largest managed area parcels within site

	Name	Acres	Type
1	GEORGE WASHINGTO	3,270	STA
2	QUADDICK STATE FOREST	243	STA
3	CASIMIR PULASKI	161	STA
4	QUADDICK STATE PARK	46	STA
5	BUCK HILL MANAGE	3	STA
6	CLARKVILLE POND	2	STA
7	WAKEFIELD POND	2	STA
8	DURFEE HILL MANA	2	STA

LANDCOVER SUMMARY:

Natural Cover: 97 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	56
Evergreen Forest:	5
Mixed Forest:	26
Forested Wetland:	4
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	97

Non-Natural Cover: 3 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	3

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	44	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	44	3

Boundary Linework

% Of site boundry which is made up of major roads: 55

MATRIX SITE: 89
NAME: George Washington
STATE/S: RI/CT

RANK: MY
ELU GROUP: 2a Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **8**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	100
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	1
Cove:	0
Gently Sloping Flat:	29
Dry Flat - Till / Patchy Sediment:	48
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	6
Wet Flat / Slope Bottom:	7
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	6	8
# Species:	3	6
# Communities:	3	2

STREAMS SUMMARY:

Total miles of streams in the site: **16**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	13	1
Miles of 2nd order streams:	2	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	16	1

DAMS SUMMARY:

Number of dams in the matrix site: **9**
Dams / 100 miles: **57**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	2
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	1

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	7
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	428
Average normal storage of all dams in the site:	209
Maximum drainage area of any dams in the site:	1,026
Average drainage area of all dams in the site:	165

MATRIX SITE: 90
NAME: Canaan Mountain
STATE/S: CT

In final portfolio, boundaries changed, area GREW.

RANK: Y
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities: northern hardwood, red oak - maple

Aquatic features:

General comments/rank: Yes

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	28,492
Core acreage of the matrix site:	22,469

Total acreage of the matrix site:	28,492
Core acreage of the matrix site:	22,469
% Core acreage of the matrix site:	79
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 60 %

Average acreage of land blocks within the matrix site:	731
Maximum acreage of any land block within the matrix site:	9,778
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	17,150
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	60

Internal Land Block Size Distribution:

Acres	# Blocks
<100	27
100 - 500	5
500 - 1000	2
1000 - 2000	
2000 - 5000	2
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 21 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	16	21	6,100

15 Largest managed area parcels within site

	Name	Acres	Type
1	YALE UNIVERSITY FORESTRY SCHOOL	1,806	PVT
2	HOUSATONIC STATE FOREST	1,682	STA
3	CANAAN MOUNTAIN NATURAL AREA PRESERVE	1,459	STA
4	HOLLENBECK CLUB	633	PVT
5	JOHN A. MINETTO STATE PARK	223	STA
6	RICHARD CROFT MEM. PRESERVE (CT AUDUBON SOCIETY)	199	PVT
7	TOWN OPEN SPACE ("BATLELL HOUSE")	63	MUN
8	ROBBINS SWAMP WILDLIFE AREA	16	STA
9	BLACKBERRY RIVER FLOOD CONTROL SITE #5	13	STA
10	INDUSTRIAL MONUMENT HISTORIC PRESERVE	4	STA
11	NW CT GIRL SCOUT COUNCIL (CAMP MARIA PRATT)	2	PVT
12	TOWN OPEN SPACE (ROUTE 44)	1	MUN
13	CONN RIVER WATERSHED COUNCIL OF CT INC(2 PARCELS)	0	PVT
14	TOWN OPEN SPACE (ROUTE 44 & SHEPPARD ROAD)	0	MUN
15	TOWN OPEN SPACE ("CITY MEADOW")	0	MUN

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	46
Evergreen Forest:	13
Mixed Forest:	21
Forested Wetland:	6
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	7	0
Local Roads (Class 4):	39	1
Railroads:	0	0
Utility Lines:	4	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	50	2

Boundary Linework

% Of site boundry which is made up of major roads: 73

MATRIX SITE: 90
NAME: Canaan Mountain
STATE/S: CT

RANK: Y
ELU GROUP: 4b — Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **46**

ELEVATION SUMMARY

	Percent
0 - 800ft:	6
800 - 1700ft:	92
1700 - 2500ft:	1
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	69
Acidic Shale:	0
Calcareous mod Sedimentary:	16
Acidic Granitic / Mafic:	16
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	2
Upper slope / Summit:	8
Sideslope:	16
Cove:	13
Gently Sloping Flat:	23
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	8	30
# Species:	6	12
# Communities:	2	18

STREAMS SUMMARY:

Total miles of streams in the site: **37**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	23	1
Miles of 2nd order streams:	10	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	37	1

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **16**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	2
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	239
Average normal storage of all dams in the site:	87
Maximum drainage area of any dams in the site:	3
Average drainage area of all dams in the site:	2

MATRIX SITE: 91 **RANK:** M

NAME: White Hollow **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: CT

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities: Northern Hardwood, oak, sugar maple.

Aquatic features:

General comments/rank: maybe

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**14,627**
Core acreage of the matrix site:	**10,603**

Total acreage of the matrix site:	14,627
Core acreage of the matrix site:	10,603
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	90
% Core acreage in non- natural cover:	10

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	730
Maximum acreage of any land block within the matrix site:	4,676
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	10
100 - 500	5
500 - 1000	1
1000 - 2000	
2000 - 5000	4
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 42 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	9	42	6,141

15 Largest managed area parcels within site

	Name	Acres	Type
1	HOUSATONIC STATE FOREST	3,910	STA
2	JACKSON PECK-SHARON MOUNTAIN FISH & GAME CLUB	741	PVT
3	MILES SANCTUARY-NATIONAL AUDUBON SOCIETY	690	PVT
4	HOUSATONIC MEADOWS STATE PARK	328	STA
5	NATIONAL PARK SERVICE	302	FED
6	WEANTINOGE HERITAGE, INC.	62	PVT
7	SCENIC EASEMENT	55	U
8	SHARON MOUNTAIN WILDLIFE AREA	51	STA
9	SHARON AUDUBON CENTER WILDLIFE REFUGE (2 PARCELS)	2	PVT

LANDCOVER SUMMARY:

Natural Cover: 87 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	67
Evergreen Forest:	3
Mixed Forest:	10
Forested Wetland:	4
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	87

Non-Natural Cover: 13 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	5
Row Crops:	7
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	13

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	39	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	41	3

Boundary Linework

% Of site boundry which is made up of major roads: 64

MATRIX SITE: **91**
NAME: **White Hollow**
STATE/S: **CT**

RANK: **M**
ELU GROUP: **4b** Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **44**

ELEVATION SUMMARY

	Percent
0 - 800ft:	17
800 - 1700ft:	83
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	13
Acidic Shale:	0
Calcareous mod Sedimentary:	9
Acidic Granitic / Mafic:	78
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	9
Sideslope:	18
Cove:	15
Gently Sloping Flat:	22
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	31
# Species:	3	20
# Communities:		11

STREAMS SUMMARY:

Total miles of streams in the site: **21**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	16	1
Miles of 2nd order streams:	4	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	21	1

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **10**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	93
Average normal storage of all dams in the site:	88
Maximum drainage area of any dams in the site:	5
Average drainage area of all dams in the site:	4

MATRIX SITE: 92
NAME: Shaupeneak
STATE/S: NY

In final portfolio, boundaries changed, area SHRUNK.

RANK: Y
SUBSECTION: 221Ba Hudson Limestone Valley

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	tiny patches in hemlock ravines; mature forest – 100s of acres in patches.
Logging history:	3rd and 4th growth; continuing today in patches.
Other comments:	1 5-10,000 block, 1 2500 block; invasives – yes and little in matrix forest.
Road density:	moderate to high; mostly paved secondary roads.
Unique features:	old Delaware and Hudson canal
Aquatic features:	many swamps with swamp white oak.; Black Creek, Rondought Creek.
General comments/rank:	extensive orchards – good for warblers around the block, vineyards. MAYBE-YES. Caution is due to development and isolated landscape position. NY12/8: M
Landscape assessment:	west bordered by NY state throughway, Shawangunks beyond. A bit of an island.
Ownership/ management:	scenic hudson/DEC 500-1000, recreation management; private parcels and woodlots.
Boundary:	
Cover class review:	0.9

Ecological features, EO's, Expected Communities: corydalus flavula, some rare sedges, wetlands – hardwood swamp and shrub swamp and sedge meadow, medium fen? NY12/8: wetlands-red maple swamp…medium fen? Matrix forest hemlock-northern hardwood forest (6109), Appalachian oak-hickory forest (6336).hemlock-northern hardwood; oak-hickory

SIZE:

Total acreage of the matrix site:	27,515
Core acreage of the matrix site:	18,057

Total acreage of the matrix site:	27,515
Core acreage of the matrix site:	18,057
% Core acreage of the matrix site:	66
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 21 %

Average acreage of land blocks within the matrix site:	333
Maximum acreage of any land block within the matrix site:	5,838
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	5,838
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	21

Internal Land Block Size Distribution:

Acres	# Blocks
<100	47
100 - 500	18
500 - 1000	8
1000 - 2000	6
2000 - 5000	1
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total			

15 Largest managed area parcels within site

	Name	Acres	Type
0			

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	42
Evergreen Forest:	9
Mixed Forest:	30
Forested Wetland:	8
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	6	0
Local Roads (Class 4):	105	4
Railroads:	0	0
Utility Lines:	6	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	117	4

Boundary Linework

% Of site boundry which is made up of major roads:	46

MATRIX SITE: 92
NAME: Shaupeneak
STATE/S: NY

RANK: Y
ELU GROUP: 3b Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: **13**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	100
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	4
Sideslope:	12
Cove:	6
Gently Sloping Flat:	27
Dry Flat - Till / Patchy Sediment:	25
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	19
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		20
# Species:		14
# Communities:		6

STREAMS SUMMARY:

Total miles of streams in the site: **41**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	24	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	0	0
Miles of 4th order streams:		
Miles of 5th order streams:	7	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	41	1

DAMS SUMMARY:

Number of dams in the matrix site: **3**
Dams / 100 miles: **7**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	2
5000 + acre - feet	1

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	1
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	6,486
Average normal storage of all dams in the site:	2,223
Maximum drainage area of any dams in the site:	1,069
Average drainage area of all dams in the site:	874

MATRIX SITE: 93
NAME: Mohawk
STATE/S: CT

In final portfolio, boundaries changed, area GREW.

RANK: M
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features: Interesting geology

Aquatic features:

General comments/rank: needs groundtruthing. Particularly the dividing road. YES.

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

Ecological features, EO's, Expected Communities: probably red oak – maple, probably northern hardwoodCathedral Pines – what remains

SIZE:

Total acreage of the matrix site:	**14,834**
Core acreage of the matrix site:	**10,138**

Total acreage of the matrix site:	14,834
Core acreage of the matrix site:	10,138
% Core acreage of the matrix site:	68
% Core acreage in natural cover:	90
% Core acreage in non- natural cover:	11

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 39 %

Average acreage of land blocks within the matrix site:	644
Maximum acreage of any land block within the matrix site:	5,827
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	5,827
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	39

Internal Land Block Size Distribution:

Acres	# Blocks
<100	15
100 - 500	3
500 - 1000	2
1000 - 2000	1
2000 - 5000	1
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 34 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	5	34	4,996

15 Largest managed area parcels within site

	Name	Acres	Type
1	MOHAWK STATE FOREST	3,163	STA
2	WYANTENOCK STATE FOREST	1,507	STA
3	MOHAWK MOUNTAIN STATE PARK	239	STA
4	CATHEDRAL PINES PRESERVE (TNC PARCEL #2 & 3) OWNED	47	PVT
5	CAMP MOHAWK (YMCA)	41	PVT

LANDCOVER SUMMARY:

Natural Cover: 85 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	43
Evergreen Forest:	10
Mixed Forest:	21
Forested Wetland:	8
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	85

Non-Natural Cover: 15 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	4
Row Crops:	8
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	15

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	4	0
Local Roads (Class 4):	38	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	42	3

Boundary Linework

% Of site boundry which is made up of major roads: 87

MATRIX SITE: 93
NAME: Mohawk
STATE/S: CT

RANK: M
ELU GROUP: 4b — Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **42**

ELEVATION SUMMARY

	Percent
0 - 800ft:	10
800 - 1700ft:	90
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	39
Acidic Shale:	0
Calcareous mod Sedimentary:	11
Acidic Granitic / Mafic:	50
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	8
Sideslope:	18
Cove:	13
Gently Sloping Flat:	24
Dry Flat - Till / Patchy Sediment:	16
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	5
# Species:		5
# Communities:	2	

STREAMS SUMMARY:

Total miles of streams in the site: **31**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	19	1
Miles of 2nd order streams:	7	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	31	2

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 94
NAME: Macedonia Brook
STATE/S: CT/NY

In final portfolio, boundaries changed, area SHRUNK.

RANK: Y
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: unknown, mature forest

Logging history: some charcoaling, 3rd and 4th growth. NY12/8: heavy logging on Preston Mountain Road

Other comments: one blue block of 10-15,000 acres; moderate barberry more honeysuckle.

Road density: moderate to low.; 2 primary roads that appear dirt on topo map (1958 version) have been incorporated. NY12/8: Routes 3 and 341 fragmenting.

Unique features: Bear in this block – 75 individuals. Lots f exposed rock

Aquatic features: unknown, bordering Housatonic ; seriously good ravines with waterfalls, good trout stream, high elevation lakes, good emergent wetlands with bitterns and breeding waterfowl.PCB's in Housatonic. CT side better than NY side – more loosestrife less phrag.

General comments/rank: maybe-yes. With NY – a YES. Hill farms went bust long ago. NY12/8: lots of residential development on CT and NY dirt roads within block. In some cases, forested character of area have been maintained; other are overmown yards.

Landscape assessment: agriculture to the west, forest to the east, rural north and south.

Ownership/ management: state park and forest, AT lands, local land trusts, 15% protected lands, timbering ongoing, recreation, Indian reservation, selectively cut.

Boundary: NY12/18: 4. In the Macedonia Brook block (new #94), the west

Cover class review: 90%+

Ecological features, EO's, Expected Communities: multiple dry circumneatral forest, red cedar rocky glade, circumneautral cliffscircumneatral rocky summit, bog turtle, riverside seep, rich sloping fen, rich graminoid fen, circumneutral spring fed. Timber rattlesnake. NY12/8: Hemlock northern hardwoods along Lake Ellis Roadred oak northern hardwoods or oak hardwood with chestnut oak. Some calcareous forests. Acer sacchurum – quercus muhlenbergii

SIZE:

Total acreage of the matrix site:	42,151
Core acreage of the matrix site:	30,598

Total acreage of the matrix site:	42,151
Core acreage of the matrix site:	30,598
% Core acreage of the matrix site:	73
% Core acreage in natural cover:	91
% Core acreage in non- natural cover:	9

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 30 %

Average acreage of land blocks within the matrix site:	635
Maximum acreage of any land block within the matrix site:	12,448
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	12,448
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	30

Internal Land Block Size Distribution:

Acres	# Blocks
<100	33
100 - 500	17
500 - 1000	5
1000 - 2000	3
2000 - 5000	6
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 18 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	18	18	7,703

15 Largest managed area parcels within site

	Name	Acres	Type
1	NATIONAL PARK SERVICE	2,931	FED
2	MACEDONIA BROOK STATE PARK	1,758	STA
3	POND MOUNTAIN TRUST, INC (2 PARCELS)	793	PVT
4	SCENIC EASEMENT	678	U
5	SHARON AUDUBON CENTER WILDLIFE REFUGE (2 PARCELS)	611	PVT
6	SCHAGTICOKE INDIAN RESERVATION	286	STA
7	LAUREL TRAILS COUNCIL GIRL SCOUTS (CAMP SEELEY)	217	PVT
8	WEANTINOGE HERITAGE, INC.	165	PVT
9	CURRIE SANCTUARY (TNC PARCEL #2) OWNED	73	PVT
10	NAROMI LAND TRUST, INC. (EVANS HILL ROAD)	60	PVT
11	BENTON HILL FEN (TNC PARCEL #2-4) OWNED (2PARCELS)	46	PVT
12	KENT FALLS STATE PARK, LEASED TO SLOANE-STANLEY MU	29	STA
13	WEANTINOGE HERITAGE, INC. (CHIPPEWELLO ROAD)	20	PVT
14	WEANTINOGE HERITAGE, INC. (MACEDONIA BROOK RD)	17	PVT
15	KENT FALLS STATE PARK	14	STA

LANDCOVER SUMMARY:

Natural Cover: 87 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	57
Evergreen Forest:	5
Mixed Forest:	18
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	87

Non-Natural Cover: 13 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	7
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	13

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	17	0
Local Roads (Class 4):	92	2
Railroads:	8	0
Utility Lines:	0	0
4-Wheel Drive Trails	2	0
Foot Trails:	1	0
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	119	3

Boundary Linework

% Of site boundry which is made up of major roads: 65

MATRIX SITE: 94
NAME: Macedonia Brook
STATE/S: CT/NY

RANK: Y
ELU GROUP: 4a — Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **44**

ELEVATION SUMMARY

	Percent
0 - 800ft:	40
800 - 1700ft:	60
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	21
Acidic Shale:	0
Calcareous mod Sedimentary:	19
Acidic Granitic / Mafic:	61
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	10
Sideslope:	17
Cove:	15
Gently Sloping Flat:	20
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	25	37
# Species:	15	29
# Communities:	10	8

STREAMS SUMMARY:

Total miles of streams in the site: **74**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	45	1
Miles of 2nd order streams:	17	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:		
Miles of 5th order streams:	5	0
Miles of 6th order streams:	2	0
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	74	2

DAMS SUMMARY:

Number of dams in the matrix site: **11**
Dams / 100 miles: **15**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	8
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	3
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	5
25 - 50	
50 - 100	4
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,800
Average normal storage of all dams in the site:	736
Maximum drainage area of any dams in the site:	784
Average drainage area of all dams in the site:	214

MATRIX SITE: 95
NAME: Mid-Dutchess
STATE/S: NY

In final portfolio, boundaries changed, area SHRUNK.

RANK: M
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no; mature – yes, a few.

Logging history: cutting for iron industry, lime kilns, 4th, 5th, 6th growth.

Other comments: some development pressure on Rt. 22 and south of Millbrook. Lots of old farms reverting. One 10-15,000 acre block. NY12/8: not very intact, no longer a 10-15,000 acre block. Lots of development pressure along Route 22 and south of Millbrook and in NW corner of block. Lots of farms reverting or being developed. Deep Hollow Road in NE still wild with large land holdings. Ridgetops west of Dover Furnace nice with pitch pine and rattlesnake.

Road density: low-moderate; mixed paved and gravel. NY12/8: moderate; mixed paved and gravel. Routes 23 and 9 somewhat fragmenting.

Unique features: Appalachian Trail; lots of shale and some shale\slate mining, HUGE development pressure. Old records of timber rattler.

Aquatic features: hydrologic split Hudson and Housatonic, Great SWAMP,watersupply for NYC but lots of exotics.

General comments/rank: Tim Abbott grew up here. MAYBE

Landscape assessment: west is toast, north wooded, south ptchy, east is toast.

Ownership/ management: private land owners big; Bontecet? – 100; small woodlots

Boundary:

Cover class review: 80% natural cover.

Ecological features, EO's, Expected Communities: bog turtles, rich graminoid fens, rocky pich-pine summit community. NY12/8: matrix forest red oak-sugar maple?(6173), chestnut oak forest? (6282).oak-hickory; red oak – sugar maple; quercus prinus mixed oak

SIZE:

Total acreage of the matrix site:	**53,996**
Core acreage of the matrix site:	**40,929**

Total acreage of the matrix site:	53,996
Core acreage of the matrix site:	40,929
% Core acreage of the matrix site:	76
% Core acreage in natural cover:	86
% Core acreage in non- natural cover:	14

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 21 %

Average acreage of land blocks within the matrix site:	507
Maximum acreage of any land block within the matrix site:	11,115
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	11,115
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	21

Internal Land Block Size Distribution:

Acres	# Blocks
<100	58
100 - 500	24
500 - 1000	8
1000 - 2000	8
2000 - 5000	7
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 2 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	2	1,291

15 Largest managed area parcels within site

	Name	Acres	Type
1	Unknown Named Parcel	1,291	U

LANDCOVER SUMMARY:

Natural Cover: 82 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	48
Evergreen Forest:	3
Mixed Forest:	26
Forested Wetland:	4
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	82

Non-Natural Cover: 18 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	13
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	18

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	142	3
Railroads:	13	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	155	3

Boundary Linework

% Of site boundry which is made up of major roads: 74

MATRIX SITE: 95
NAME: Mid-Dutchess
STATE/S: NY

RANK: M
ELU GROUP: 4a — Low to very low sedimentary with some calcareous and granitic features

ECOLOGICAL LAND UNITS:

Total in site: **48**

ELEVATION SUMMARY

	Percent
0 - 800ft:	49
800 - 1700ft:	51
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	48
Acidic Shale:	0
Calcareous mod Sedimentary:	50
Acidic Granitic / Mafic:	3
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	6
Sideslope:	14
Cove:	11
Gently Sloping Flat:	27
Dry Flat - Till / Patchy Sediment:	20
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	15	33
# Species:	12	27
# Communities:	3	6

STREAMS SUMMARY:

Total miles of streams in the site: **109**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	75	1
Miles of 2nd order streams:	14	0
Miles of 3rd order streams:	17	0
Miles of 4th order streams:	3	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	109	2

DAMS SUMMARY:

Number of dams in the matrix site: **12**
Dams / 100 miles: **11**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	12
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	8
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	279
Average normal storage of all dams in the site:	140
Maximum drainage area of any dams in the site:	4
Average drainage area of all dams in the site:	1

MATRIX SITE: 96
NAME: Wood River Barrens / Pachaug
STATE/S: RI/CT

In final portfolio, boundaries changed, area GREW.

RANK: Y
SUBSECTION: 221Ag Southeast New England Coastal Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no old growth, yes on mature forest over 80 years. Within Management area. Step stone ridge has mature woods. Red oak hardwood forest, northern hardwood forest? Mature forest- possibly in very small patches on private lands. State land unknown

Logging history: 3rd and 4th growth, continuing in small patches. Fire wood and food plots on state lands. More recreation than logging. Heavily logged and countless times.

Other comments: Pawcutuck SCP covers this area. Lower elevation nd f=different soils make this a dry block compared to northwest corner. Pachaug great meadows – AWC and 0ccurrences.

Road density: moderate. Some paved roads become dirt at managed area borders. Many are gated. One secondary road (unnumbered – Plain Road) in block. Moderate roads with higher density than other Pachaug blocks with some paved.

Unique features: Crazy Women and good Zydeco festival.

Aquatic features: Wood River and tributaries (includes good Odonate populations). Moosup River – larger river in this area – meandering. Head waters of Wood River in Pachaug. Scattered AWC throughout.good. Top of the heap though they are stocked. Very good because headwaters are contained. Fair amount of recreation – not considered destructive..

General comments/rank: YES. Based on the RI side.YES

Landscape assessment: 75% natural cover, not bad. CT probably loks even better. Mostly forested to north.

Ownership/ management: at least 6000 acres managed area. University Rhode Island has large chunk. Many small private woodlots. Arcadia management area has motor cycle rallies and accepts motor bike riding, stocking of game birds and is main recreation area for the state. 6,700 Pachaug – see management under 174 (may be more – appears to be three-quarters on map). Private woodlot cut.

Boundary:

Cover class review: 92% natural cover

Ecological features, EO's, Expected Communities: Somatochlra georgiana (new record – G3) , willimsonia lintneri, many eo communities, mitoura hesseli, e. laterale, stacks of state rarites such as. Sand barren. Hemiluca maia. Bailey Pond histric records – Potomogeton ?, Hartford Fern, Williamsonia lpitch pine oak forest, oak – white pine forest, oak-heath forest. Some good oak-hickory forest in patches in deeper forest.

SIZE:

Total acreage of the matrix site:	40,280
Core acreage of the matrix site:	25,697

Total acreage of the matrix site:	40,280
Core acreage of the matrix site:	25,697
% Core acreage of the matrix site:	64
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	306
Maximum acreage of any land block within the matrix site:	2,190
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	69
100 - 500	29
500 - 1000	20
1000 - 2000	9
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 45 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	18	45	18,087

15 Largest managed area parcels within site

	Name	Acres	Type
1	PACHAUG STATE FOREST	6,765	STA
2	ARCADIA MANAGEME	6,206	STA
3	Alton Jones	2,162	U
4	LAFARGE EASEMENT	854	PVT
5	ARCADIA MANAGEME	687	U
6	WICKABOXET AREA	533	STA
7	BEACH POND	263	STA
8	Brown	164	U
9	BEACH POND STATE	108	STA
10	CARBUNCLE POND M	107	STA
11	ARCADIA	85	STA
12	Bates	77	U
13	VOLUNTOWN PEACE TRUST	41	PVT
14	LIBERTY TRACT	27	STA
15	EASEMENT	5	PVT

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	53
Evergreen Forest:	8
Mixed Forest:	25
Forested Wetland:	6
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	11	0
Local Roads (Class 4):	156	4
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	1	0
TOTAL:	168	4

Boundary Linework

% Of site boundry which is made up of major roads: 87

MATRIX SITE: 96
NAME: Wood River Barrens / Pachaug
STATE/S: RI/CT

RANK: Y
ELU GROUP: 2a Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: 9

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	100
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	1
Cove:	0
Gently Sloping Flat:	31
Dry Flat - Till / Patchy Sediment:	33
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	15
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	28	12
# Species:	21	10
# Communities:	7	2

STREAMS SUMMARY:

Total miles of streams in the site: 58

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	31	1
Miles of 2nd order streams:	12	0
Miles of 3rd order streams:	7	0
Miles of 4th order streams:	0	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	7	0
Total miles of streams in the site:	58	1

DAMS SUMMARY:

Number of dams in the matrix site: 7
Dams / 100 miles: 12

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	1
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	2
25 - 50	1
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	4,100
Average normal storage of all dams in the site:	814
Maximum drainage area of any dams in the site:	300
Average drainage area of all dams in the site:	91

MATRIX SITE: 97
NAME: North Pachaug(Mt. Misery)
STATE/S: CT

In final portfolio, boundaries changed, area GREW.

RANK: MY

SUBSECTION: 221Ag Southeast New England Coastal Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, mature forest – sites begin to get better – more oak complex – same as others 80 year plus but has been cut.

Logging history: charcoaling and continuous clear cutting in past. Extensive conifer plantations today.

Other comments:

Road density: moderate to high but many wide dirt roads. Paved up to forest.

Unique features: great place for conifer birds in winter. Possible nesting cross-bills

Aquatic features: Mt. Misery Brook for Williamsonia, Mill Brook wetland – large forested wetland.mill brook stocked, good water quality

General comments/rank: MAYBE-YES, has some habitat diversity, Pachuag incorporates much of CT's conifer forests – high proportion white pine

Landscape assessment: block of forest to the east. Interstate highway to the west and agriculture and residential. Forested to south and north.

Ownership/ management: Pachaug state forest – 6885 and other protected lands equal 40%. Remainder is private woodlot small and some residential dispersed throughout.

Boundary:

Cover class review: 88% natural cover

Ecological features, EO's, Expected Communities: Mt Misery Brook. Extant Williamsonia lintneri. AWC. Pitch pine barren patch.same as 166. Oak ericad, oak complex. White pine - oak

SIZE:

Total acreage of the matrix site: **16,303**

Core acreage of the matrix site: **10,961**

Total acreage of the matrix site:	16,303
Core acreage of the matrix site:	10,961
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	324
Maximum acreage of any land block within the matrix site:	2,474
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	27
100 - 500	14
500 - 1000	4
1000 - 2000	4
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 43 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	6	43	6,958

15 Largest managed area parcels within site

	Name	Acres	Type
1	PACHAUG STATE FOREST	6,886	STA
2	BEACHDALE POND	38	STA
3	TOWN OPEN SPACE (GATES STREET)2 PARCELS	13	MUN
4	HOPEVILLE POND STATE PARK	10	STA
5	LOCKES MEADOW POND WILDLIFE AREA	10	STA
6	STERLING RADIO TOWER SITE	1	STA

LANDCOVER SUMMARY:

Natural Cover: 90 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	63
Evergreen Forest:	6
Mixed Forest:	12
Forested Wetland:	5
Emergent Herbaceous Wetland:	2
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	90

Non-Natural Cover: 10 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	10

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	55	3
Railroads:	0	0
Utility Lines:	1	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	57	3

Boundary Linework

% Of site boundry which is made up of major roads: 89

MATRIX SITE: 97
NAME: North Pachaug(Mt. Misery)
STATE/S: CT

RANK: MY
ELU GROUP: 2a Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **8**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	100
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	1
Cove:	1
Gently Sloping Flat:	37
Dry Flat - Till / Patchy Sediment:	40
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	6
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	12
# Species:	2	6
# Communities:	1	6

STREAMS SUMMARY:

Total miles of streams in the site: **21**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	9	1
Miles of 2nd order streams:	4	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	9	1
Total miles of streams in the site:	21	1

DAMS SUMMARY:

Number of dams in the matrix site: **3**
Dams / 100 miles: **14**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	315
Average normal storage of all dams in the site:	140
Maximum drainage area of any dams in the site:	5
Average drainage area of all dams in the site:	2

MATRIX SITE: 98
NAME: Big River
STATE/S: RI

RANK: Y
SUBSECTION: 221Ag Southeast New England Coastal Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no; mature forest over 80 years – yes, white pine -- don't know more.

Logging history: 3rd or 4th growth. A little logging continuing.

Other comments:

Road density: moderate with one big road.

Unique features: Mafia dumping ground. Party spot.

Aquatic features: Big River – not a conservation target yet.headwaters are within the block for Big River.

General comments/rank: YES.

Landscape assessment: looks bad to the north and the west is Route 95. South looks ok. Includes Queen River watershed RI focus area for TNC.

Ownership/ management: state owns 60%, other conservation organizations 25%, 25% private with some large ownership's. Unmanaged, hunting, slated to be reservoir once.

Boundary: RI11/22: boundary east of Carr pond to be pulled in. This east

Cover class review: 90% natural cover or more.

Ecological features, EO's, Expected Communities: Williamsonia lintneri, E. recurvatum, mitoura hesseli, acidic fens, AWC riverside,oak – white pine forest,

SIZE:

Total acreage of the matrix site:	**14,201**
Core acreage of the matrix site:	**8,859**

Total acreage of the matrix site:	14,201
Core acreage of the matrix site:	8,859
% Core acreage of the matrix site:	62
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	360
Maximum acreage of any land block within the matrix site:	1,640
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	22
100 - 500	6
500 - 1000	4
1000 - 2000	7
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 9 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	9	1,345

15 Largest managed area parcels within site

	Name	Acres	Type
1	Unknown Named Parcel	1,343	U
2	EXETER-W. GREENW	2	MUN
3	Briggs Farm	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	35
Evergreen Forest:	14
Mixed Forest:	39
Forested Wetland:	4
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	1
Hay Pasture:	1
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	3
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	8	1
Local Roads (Class 4):	39	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	47	3

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 98
NAME: Big River
STATE/S: RI

RANK: Y
ELU GROUP: 2a Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: 7

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	100
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	0
Cove:	0
Gently Sloping Flat:	18
Dry Flat - Till / Patchy Sediment:	33
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	30
Wet Flat / Slope Bottom:	9
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	9	13
# Species:	8	13
# Communities:	1	

STREAMS SUMMARY:

Total miles of streams in the site: 30

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	21	1
Miles of 2nd order streams:	7	0
Miles of 3rd order streams:	2	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	30	2

DAMS SUMMARY:

Number of dams in the matrix site: 3
Dams / 100 miles: 10

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	1

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	576
Average normal storage of all dams in the site:	270
Maximum drainage area of any dams in the site:	1,520
Average drainage area of all dams in the site:	603

MATRIX SITE: 99
NAME: Meshomasic State Forest
STATE/S: CT

In final portfolio, boundaries changed, area GREW.

RANK: MY
SUBSECTION: 221Ag Southeast New England Coastal Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities: oak-ericad; oak-hickory, chestnut oak – scrub oak patch community

Aquatic features:

General comments/rank: maybe-yes

Landscape assessment: western side and north are toast, northeast and southeast look better - rural but major roads.

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	20,993
Core acreage of the matrix site:	13,987

Total acreage of the matrix site:	20,993
Core acreage of the matrix site:	13,987
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	286
Maximum acreage of any land block within the matrix site:	4,778
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	48
100 - 500	17
500 - 1000	2
1000 - 2000	4
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 28 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	24	28	5,945

15 Largest managed area parcels within site

	Name	Acres	Type
1	MESHOMASIC STATE FOREST	5,640	STA
2	COX LOT NATURAL AREA PRESERVE	57	STA
3	REEVES LOT NATURAL AREA PRESERVE	44	STA
4	CABIN LOT NATURAL AREA PRESERVE	42	STA
5	DICKINSON ROAD OPEN SPACE	31	MUN
6	LOOS POND CONSERVATION AREA	30	MUN
7	TOWN FOREST (OLD MARLBOROUGH TURNPIKE)	27	MUN
8	MATTABESECK AUDUBON SOCIETY, INC.	16	PVT
9	BELLTOWN OPEN SPACE	14	MUN
10	SANER ROAD OPEN SPACE	11	MUN
11	ROBERT EASEMENT	7	MUN
12	TOWN OPEN SPACE (WHITE BIRCH ESTATES)	7	MUN
13	TOWN OPEN SPACE (COX'S ROAD)	5	MUN
14	CLEARVIEW ESTATES OPEN SPACE	3	MUN
15	GRINDLEBROOK SUBDIVISION II	2	MUN

LANDCOVER SUMMARY:

Natural Cover: 90 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	70
Evergreen Forest:	1
Mixed Forest:	14
Forested Wetland:	3
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	90

Non-Natural Cover: 10 %

	Percent
Low Intensity Developed:	3
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	10

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	86	4
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	86	4

Boundary Linework

% Of site boundry which is made up of major roads: 34

MATRIX SITE: 99
NAME: Meshomasic State Forest
STATE/S: CT

RANK: MY
ELU GROUP: 2b Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: 27

ELEVATION SUMMARY

	Percent
0 - 800ft:	96
800 - 1700ft:	4
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	27
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	73
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	11
Cove:	4
Gently Sloping Flat:	42
Dry Flat - Till / Patchy Sediment:	23
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	18
# Species:		9
# Communities:	1	9

STREAMS SUMMARY:

Total miles of streams in the site: 25

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	25	1
Miles of 2nd order streams:	0	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	25	1

DAMS SUMMARY:

Number of dams in the matrix site: 3
Dams / 100 miles: 12

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	2
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	375
Average normal storage of all dams in the site:	261
Maximum drainage area of any dams in the site:	4
Average drainage area of all dams in the site:	2

MATRIX SITE: 100
NAME: Arcadia Ponds
STATE/S: CT/RI

In final portfolio, boundaries changed, area GREW.

RANK: Y

SUBSECTION: 221Ag Southeast New England Coastal Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, mature forests – probably old hemlock, now dead by adelgid. Private land has mature forest with better trees logged off.

Logging history: 3rd and 4th growth, continuing as at others.,perhaps even worse cut over

Other comments: Includes RI's only national natural landmark site – Ell Pond. former TNC project.

Road density: moderate, but better than other RI sites.moderate but mostly dirt in CT.

Unique features: geologic features around ponds interesting – ledges, cliffs, topography in RI. Sand and gravel deposits

Aquatic features: quagmire ponds, Grassy pond undeveloped, some coastal plain pondish sorts as well. Green Falls pond has an undeveloped pondshore. Patch AWC,mostly undeveloped ponds. – Blue Pond

General comments/rank: Yes. ,MAYBE-YES

Landscape assessment: toast! Rt. 95 and lots of development. CT side looks wooded to the north and block to the west.

Ownership/ management: large Boy scout camp – 1600+ acres, 5000 acres managed area, private woodlot small constitutes remaining. 3,800 state forest - ?may be greater – see management discussion under block 174. Remainder primarily private woodlot.

Boundary:

Cover class review: 91% natural cover, same in CT.

Ecological features, EO's, Expected Communities: new E. pictum site, E. laterale, E. recurvatum, level bog and seepage swamps.white pine – oak forest, oak-heath forest. More oak on the CT side, RI side is an outwash plain where CT is not.

SIZE:

Total acreage of the matrix site:	**19,272**
Core acreage of the matrix site:	**13,515**

Total acreage of the matrix site:	19,272
Core acreage of the matrix site:	13,515
% Core acreage of the matrix site:	70
% Core acreage in natural cover:	96
% Core acreage in non- natural cover:	4

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	668
Maximum acreage of any land block within the matrix site:	3,874
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	13
100 - 500	3
500 - 1000	4
1000 - 2000	7
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 27 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	16	27	5,267

15 Largest managed area parcels within site

	Name	Acres	Type
1	PACHAUG STATE FOREST	3,856	STA
2	BLUE POND	390	STA
3	GROTON SPORTSMAN'S CLUB	301	PVT
4	PERKINS PONDS ED	191	PVT
5	DEM	165	STA
6	ROCKVILLE MANAGE	142	STA
7	ELL POND	65	STA
8	ELL POND-LONG PO	57	PVT
9	Ell/Long Pond (B	54	PVT
10	ROCKVILLE	21	STA
11	MASHANTUCKET LAND TRUST, INC.	16	PVT
12	Unknown Named Parcel	8	U
13	ASHVILLE POND	2	MUN
14	MOSCOW POND	0	STA
15	CARDI	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 94 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	61
Evergreen Forest:	4
Mixed Forest:	23
Forested Wetland:	3
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	94

Non-Natural Cover: 6 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	6

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	54	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	55	3

Boundary Linework

% Of site boundry which is made up of major roads: 89

MATRIX SITE: **100**
NAME: **Arcadia Ponds**
STATE/S: **CT/RI**

RANK: **Y**
ELU GROUP: **2a** Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **7**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	100
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	1
Cove:	0
Gently Sloping Flat:	24
Dry Flat - Till / Patchy Sediment:	54
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	4
Wet Flat / Slope Bottom:	8
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	10	27
# Species:	8	20
# Communities:	2	7

STREAMS SUMMARY:

Total miles of streams in the site: **33**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	22	1
Miles of 2nd order streams:	7	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	4	0
Total miles of streams in the site:	33	2

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **18**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	2
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	2
25 - 50	2
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	990
Average normal storage of all dams in the site:	393
Maximum drainage area of any dams in the site:	150
Average drainage area of all dams in the site:	65

MATRIX SITE: 101
NAME: Arcadia Pond - South Pachaug, CT
STATE/S: CT

In final portfolio, boundaries changed, area GREW.

RANK: MY
SUBSECTION: 221Ag Southeast New England Coastal Hills and Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: possibly but doubtful hemlock and oaks in rocky ledge and possible in ravines; mature forest – yes; hemlock-red and white oak – 5 acre to 10 acre.

Logging history: continues charcoaling throughout history, clear-cut repeatedly. Continuing more limited.

Other comments:

Road density: moderate – moderate-low.

Unique features: ledges,

Aquatic features:

General comments/rank: maybe yes.

Landscape assessment: pretty forested to the east. Rural forest and agri. to the west and south. Stonington is rural and true farming community. Stonington Land Conservancy very active.

Ownership/ management: Pachaug State Forest – 4,600, white pine being favored with management, passive recreation including jeep and ATV use, significant cutting and conversion to pine. Private wood lot incorporates remainder of block.

Boundary:

Cover class review: 93%+

Ecological features, EO's, Expected Communities: potentialWyassup Lake (artificial) Billings Lake (? Natural), Kenney Brook - a native brook trout stream.oak-heath- chestnut oak, quescus velutina – quercus alba

SIZE:

Total acreage of the matrix site:	13,091
Core acreage of the matrix site:	9,172

Total acreage of the matrix site:	13,091
Core acreage of the matrix site:	9,172
% Core acreage of the matrix site:	70
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	560
Maximum acreage of any land block within the matrix site:	3,477
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	13
100 - 500	3
500 - 1000	2
1000 - 2000	2
2000 - 5000	3
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 39 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	8	39	5,080

15 Largest managed area parcels within site

	Name	Acres	Type
1	PACHAUG STATE FOREST	4,638	STA
2	CAMP WIGHTMAN, CONN. BAPTIST CONVENTION	130	PVT
3	WYASSUP LAKE	99	STA
4	BILLINGS LAKE	95	STA
5	NEW LONDON AREA GIRL SCOUT COUNCIL, INC.	92	PVT
6	GLASGO POND	23	STA
7	BILLINGS LAKE WATER ACCESS (B)	1	STA
8	WYASSUP LAKE WATER ACCESS (B)	0	STA

LANDCOVER SUMMARY:

Natural Cover: 93 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	66
Evergreen Forest:	4
Mixed Forest:	15
Forested Wetland:	4
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	93

Non-Natural Cover: 7 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	7

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	33	3
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails	0	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	34	3

Boundary Linework

% Of site boundry which is made up of major roads: 79

MATRIX SITE: **101**
NAME: **Arcadia Pond - South Pachaug, CT**
STATE/S: **CT**

RANK: **MY**
ELU GROUP: **2a** Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **9**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	100
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	3
Cove:	1
Gently Sloping Flat:	40
Dry Flat - Till / Patchy Sediment:	30
Dry Flat - Fine Grained Sediment:	1
Dry Flat - Coarse Grained Sediment:	8
Wet Flat / Slope Bottom:	8
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		11
# Species:		4
# Communities:		7

STREAMS SUMMARY:

Total miles of streams in the site: **26**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	15	1
Miles of 2nd order streams:	3	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	7	1
Total miles of streams in the site:	26	2

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **19**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	
500 - 1000 acre - feet	2
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	2
25 - 50	2
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	2,208
Average normal storage of all dams in the site:	753
Maximum drainage area of any dams in the site:	38
Average drainage area of all dams in the site:	14

MATRIX SITE: 102
NAME: Hudson Highland
STATE/S: NY

In final portfolio, boundaries changed, area SHRUNK.

RANK: Y
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	possibly hemlock ravine; mature forest abundant,
Logging history:	3rd or 4th growth, turn of the century portions would have been pasture.
Other comments:	two 5-10,000 acre blocks. Low density exotics in highlands, more in lowlands; probably sprayed by gypsy moth. heavy deer browse.
Road density:	Rt. 9 is a problem, and Rt. 301 is not a problem. Moderate to high in patches; two major roads, roads in state park are small.
Unique features:	lots of ridges, probably has good fire history.
Aquatic features:	
General comments/rank:	YES
Landscape assessment:	toast to the north, south, ok to the east. West is mixed story and has the river.
Ownership/ management:	state park and scenic Hudson – 9,000 in Fahnestock state park, Fishkill/Breakneck Ridge, and Hudson Highlands State Park. Mining threat on the east slope of fishkill ridge. Big estates and private lands.
Boundary:	
Cover class review:	89% natural cover.

Ecological features, EO's, Expected Communities: Blanding's Turtles, red cedar rocky summit, cliff communities, talus slopes, pitch pine scrub oak rocky summit, rocky summit grassland, riverfront – timber rattlesnake; eastern fence lizard, floodplain foreston fishkill creed with silver maple and pine. NY12/8: oak maple tulip tree (6125), exemplary large patch Appalachian oak-hickory forest. Matrix forest chestnut oak forest (6282)mixed oak forest; oak-hickory; red oak, sugar maple-tulip tree.

SIZE:

Total acreage of the matrix site:	**75,997**
Core acreage of the matrix site:	**46,738**

Total acreage of the matrix site:	75,997
Core acreage of the matrix site:	46,738
% Core acreage of the matrix site:	62
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 21 %

Average acreage of land blocks within the matrix site:	150
Maximum acreage of any land block within the matrix site:	8,305
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	16,155
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	21

Internal Land Block Size Distribution:

Acres	# Blocks
<100	423
100 - 500	38
500 - 1000	15
1000 - 2000	15
2000 - 5000	3
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 17 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	17	12,848

15 Largest managed area parcels within site

	Name	Acres	Type
1	CLARENCE FAHNESTOCK STATE	9,260	STA
2	HUDSON HIGHLANDS STATE PA	2,552	STA
3	HUDSON RIVER MILE 44-56 S	769	STA
4	CONSTITUTION MARSH SCFWH	267	STA

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	38
Evergreen Forest:	7
Mixed Forest:	43
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	3
High Intensity Residential:	1
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	0
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 6

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	45	1
Local Roads (Class 4):	368	5
Railroads:	4	0
Utility Lines:	0	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	419	6

Boundary Linework

% Of site boundry which is made up of major roads:	64

MATRIX SITE: 102
NAME: Hudson Highland
STATE/S: NY

RANK: Y
ELU GROUP: 5 — Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **36**

ELEVATION SUMMARY

	Percent
0 - 800ft:	73
800 - 1700ft:	27
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	4
Acidic Shale:	0
Calcareous mod Sedimentary:	8
Acidic Granitic / Mafic:	88
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	12
Sideslope:	20
Cove:	16
Gently Sloping Flat:	18
Dry Flat - Till / Patchy Sediment:	9
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	13	32
# Species:	4	18
# Communities:	9	14

STREAMS SUMMARY:

Total miles of streams in the site: **142**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	89	1
Miles of 2nd order streams:	26	0
Miles of 3rd order streams:	26	0
Miles of 4th order streams:	1	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	142	2

DAMS SUMMARY:

Number of dams in the matrix site: **30**
Dams / 100 miles: **21**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	27
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	15
5 - 25	9
25 - 50	3
50 - 100	3
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,170
Average normal storage of all dams in the site:	256
Maximum drainage area of any dams in the site:	270
Average drainage area of all dams in the site:	10

MATRIX SITE: 103
NAME: West Point/Black Rock
STATE/S: NY

In final portfolio, boundaries changed, area SHRUNK.

RANK: Y
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: possible in ravines, unknown. Mature forest – defiantly most of it.

Logging history: 3rd and 4th growth or higher.

Other comments: 3 2-5000 blocks and one 5-10,000 acres blocks; bad berberis at west point, black rock better. NY12/8: Route 9W major bisector, Route 293 may be significant.

Road density: low-moderate; some gated and limited access.

Unique features:

Aquatic features: ponds with rare plants, utricularia radiata – inflata, vernal pools – lots; lots of reservoirs

General comments/rank: YES, heavy deer browse

Landscape assessment: good to south, bad to north, fair to west, east is the river.

Ownership/ management: Harriman SP – Palisades – 2,500 – recreation no hunting; West Point Military Academy, 17,000, timbering, bombing, hunting, military training; Black Rock Forest – 5,000 – preserve, no timbering; Storm King State Park – 1200-2,000, recreation,

Boundary:

Cover class review: 90%+

Ecological features, EO's, Expected Communities: rattlesnakes, enallagma laterale, pitchpine oak rocky summit, rocky summit grassland, red cdar, hemlock hardwood swamps. NY12/8: oak-maple-tulip (6125), hemlock-northern hardwood (6109). Matrix forest chestnut oak forest (6282).mixed oak forest, oak-hickory, red oak hardwood.

SIZE:

Total acreage of the matrix site:	30,132
Core acreage of the matrix site:	20,330

Total acreage of the matrix site:	30,132
Core acreage of the matrix site:	20,330
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 19 %

Average acreage of land blocks within the matrix site:	184
Maximum acreage of any land block within the matrix site:	5,781
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	5,781
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	19

Internal Land Block Size Distribution:

Acres	# Blocks
<100	137
100 - 500	11
500 - 1000	4
1000 - 2000	3
2000 - 5000	4
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 14 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	14	4,191

15 Largest managed area parcels within site

	Name	Acres	Type
1	HARRIMAN STATE PARK	2,529	STA
2	STORM KING STATE PARK	1,274	STA
3	BEAR MOUNTAIN STATE PARK	388	STA

LANDCOVER SUMMARY:

Natural Cover: 95 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	51
Evergreen Forest:	4
Mixed Forest:	36
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	95

Non-Natural Cover: 5 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	5

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	12	0
Local Roads (Class 4):	106	4
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	118	4

Boundary Linework

% Of site boundry which is made up of major roads: 87

MATRIX SITE: 103
NAME: West Point/Black Rock
STATE/S: NY

RANK: Y
ELU GROUP: 5 — Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **31**

ELEVATION SUMMARY

	Percent
0 - 800ft:	49
800 - 1700ft:	51
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	3
Acidic Shale:	0
Calcareous mod Sedimentary:	5
Acidic Granitic / Mafic:	92
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	1
Upper slope / Summit:	14
Sideslope:	23
Cove:	19
Gently Sloping Flat:	14
Dry Flat - Till / Patchy Sediment:	7
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	13
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	13	35
# Species:	8	16
# Communities:	5	19

STREAMS SUMMARY:

Total miles of streams in the site: **44**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	35	1
Miles of 2nd order streams:	6	0
Miles of 3rd order streams:	4	0
Miles of 4th order streams:	0	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	44	1

DAMS SUMMARY:

Number of dams in the matrix site: **11**
Dams / 100 miles: **25**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	10
100 - 500 acre - feet	
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	6
5 - 25	4
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	770
Average normal storage of all dams in the site:	191
Maximum drainage area of any dams in the site:	36
Average drainage area of all dams in the site:	4

MATRIX SITE: 104
NAME: Devils Den
STATE/S: CT

In final portfolio, boundaries changed, area GREW.

New name: Saugatuck Forest

RANK: M
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, mature forests over 100 years and greater than 1000 acres.

Logging history: none for 100 years, parts have been logged more recently on water company lands. Was once cut over for charcoal as elsewhere.

Other comments:

Road density: low? States suggest more roads and "high" designation.

Unique features: no, friendly roughed grouse and turkeys. Bobcat and fisher.

Ecological features, EO's, Expected Communities: neotrpical migrantsquercus –mixed hardwood, oak-ericad., little pine

Aquatic features: Hawley Brook – native trout stream, headwaters of west branch of Saugatuck River. Saugetuck and Aspituck reservoirs – shorelines intact – no passive recreation except shore fishing.good, especially Saugetuck River.

General comments/rank: most southern block in this subsection, may have best condition and management regime. MAYBE

Landscape assessment: isolated block

Ownership/ management: largely TNC, Town of Weston, Reading, Aspituck Land Trust, Reading Land Trust. All Managed by TNC for passive recreation, no timbering.

Boundary:

Cover class review: 90%+

SIZE:

Total acreage of the matrix site:	10,494
Core acreage of the matrix site:	7,220

Total acreage of the matrix site:	10,494
Core acreage of the matrix site:	7,220
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	94
% Core acreage in non- natural cover:	6

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	402
Maximum acreage of any land block within the matrix site:	4,276
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	20
100 - 500	1
500 - 1000	1
1000 - 2000	
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 16 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	12	16	1,707

15 Largest managed area parcels within site

	Name	Acres	Type
1	DEVILS DEN (TNC) OWNED	1,510	PVT
2	REDDING LAND TRUST-A.F. BRINCKERHOFF NATURE PRES	94	PVT
3	DAYTON TRACT	47	MUN
4	TAX LIEN (2 PARCELS)	13	MUN
5	REDDING LAND TRUST-GLENDINNING CORP.(SETASIDE)	13	PVT
6	REDDING LAND TRUST-R. STORM, TRUSTEE(SETASIDE)	7	PVT
7	REDDING LAND TRUST-NEIL KIRBY (GIFT)	6	PVT
8	REDDING LAND TRUST-TOWN OF REDDING-PINCHBECK PURC.	5	PVT
9	STORMFIELD	5	MUN
10	TOTH MEMORIAL PARK	4	MUN
11	REDDING LAND TRUST-CONSTANCE BRUZELIU PHARR(GIFT)	3	PVT
12	DEVILS GLEN PARK	0	PVT

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	8
Transitional Barren:	0
Deciduous Forest:	60
Evergreen Forest:	3
Mixed Forest:	16
Forested Wetland:	3
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	3
Orchards, Vineyards, Tree Plantations:	1
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	4	0
Local Roads (Class 4):	26	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	31	3

Boundary Linework

% Of site boundry which is made up of major roads: 52

MATRIX SITE: **104**
NAME: **Devils Den**
STATE/S: **CT**

RANK: **M**
ELU GROUP: **2a** Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: **14**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	17
Acidic Granitic / Mafic:	83
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	11
Cove:	5
Gently Sloping Flat:	29
Dry Flat - Till / Patchy Sediment:	27
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	9
Stream / River / Lake:	17

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		3
# Species:		2
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **24**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	18	2
Miles of 2nd order streams:	4	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	24	2

DAMS SUMMARY:

Number of dams in the matrix site: **1**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	1
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	42,000
Average normal storage of all dams in the site:	42,000
Maximum drainage area of any dams in the site:	868
Average drainage area of all dams in the site:	868

MATRIX SITE: 105 **RANK:** Y

NAME: Harriman **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: NY

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no, mature forest- yes – 1000's of acres.
Logging history:	2nd and 3rd growth.
Other comments:	one 15,000; two of the 5 to 10 thousand, seveal two to five thousand.; invasives with berberis and gypsy moth. Lots of fire – good ecological. Lots of deer. NY12/8: heavy deer browse.
Road density:	low; some are gated, paved and gravel. NY12/8: Route 106 mod fragmenting
Unique features:	
Aquatic features:	lots of boggy swamps, pine swamp small acidic holes that are boggy.
General comments/rank:	YES
Landscape assessment:	ok excet to the south which is seriously burnt toast. West is ok, east is very good, north is mixed.
Ownership/ management:	Palisades Park – 39,000; recreation, hiking trails, no timbering. Mostly estates and private holdings.
Boundary:	
Cover class review:	0.95

Ecological features, EO's, Expected Communities: rocky summit grassland, lots of southern things. Hemlock hardwood swamp, pitchpine heath rocky summit, NY12/8: highbush blueberry thicket. Matrix forest: chestnut oak (6282), Appalachian oak-hickory (6336).chestnut oak and mixed oak forest.

SIZE:

Total acreage of the matrix site:	**47,585**
Core acreage of the matrix site:	**37,678**

Total acreage of the matrix site:	47,585
Core acreage of the matrix site:	37,678
% Core acreage of the matrix site:	79
% Core acreage in natural cover:	99
% Core acreage in non- natural cover:	1

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 58 %

Average acreage of land blocks within the matrix site:	508
Maximum acreage of any land block within the matrix site:	15,683
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	27,403
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	58

Internal Land Block Size Distribution:

Acres	# Blocks
<100	72
100 - 500	6
500 - 1000	4
1000 - 2000	2
2000 - 5000	3
5000 - 10000	2
10000 - 15000	
15000+	1

MANAGED AREAS: 82 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	82	39,243

15 Largest managed area parcels within site

	Name	Acres	Type
1	HARRIMAN STATE PARK	39,243	STA

LANDCOVER SUMMARY:

Natural Cover: 97 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	53
Evergreen Forest:	5
Mixed Forest:	34
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	97

Non-Natural Cover: 3 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	0
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	3

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	3	0
Local Roads (Class 4):	110	2
Railroads:	0	0
Utility Lines:	1	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	117	2

Boundary Linework

% Of site boundry which is made up of major roads: 87

MATRIX SITE: **105**
NAME: **Harriman**
STATE/S: **NY**

RANK: **Y**
ELU GROUP: **5** Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **30**

ELEVATION SUMMARY

	Percent
0 - 800ft:	29
800 - 1700ft:	71
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	1
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	98
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	9
Sideslope:	20
Cove:	12
Gently Sloping Flat:	21
Dry Flat - Till / Patchy Sediment:	14
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	15	21
# Species:	14	12
# Communities:	1	9

STREAMS SUMMARY:

Total miles of streams in the site: **75**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	53	1
Miles of 2nd order streams:	16	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:	2	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	75	2

DAMS SUMMARY:

Number of dams in the matrix site: **27**
Dams / 100 miles: **36**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	24
100 - 500 acre - feet	3
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	6
5 - 25	12
25 - 50	5
50 - 100	1
100 - 250	3
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	3,551
Average normal storage of all dams in the site:	725
Maximum drainage area of any dams in the site:	10
Average drainage area of all dams in the site:	1

MATRIX SITE: 106
NAME: Ringswoods
STATE/S: NY/NJ

In final portfolio, boundaries changed, area SHRUNK.

RANK: Y
SUBSECTION: 221Ae Hudson Highlands

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: some mature forest – unknown; maybe some hemlock – pure. Mature in New York on the ridges. Cove forest – mesic. NY12/8: mature in NY on ridges in Sterling Forest.

Logging history: second growth in NJ; selective cutting, 3rd or 4th growth. NY12/8: in NY selective cutting

Other comments: largest inland Atlantic white cedar swamp in NY 150 acres; 2 10K= blocks. Deer overpopulation – high impact. Invasives

Road density: moderate, a lot is dirt and possible gated. And long driveways. NY12/8: in sterling forest most roads closed to vehicles now.

Unique features: NY – renaissance fair, "Knights in Tights".

Aquatic features: oak hardwood, oak hickory and oak ericad. Also AWC on NY side – quite good.whacked with pesticides and waterfront development and recreation, aquatic herbicides. Reservoirs are better but rise and fall a lot. Greenwood Lake is largest natural lake in state. NY – mixed whacked but fares better. Little dam lake has a number of

General comments/rank: YES for NY and NJ

Landscape assessment: bordered on east hard by development.NY12/8: Schunnemunk Mountain to north of block has one of best pitch pine oak heath rocky summits in NYS, several hundred acres.

Ownership/ management: mixed state ownership, no salvage cuts, gypsy moth spraying, WMA managed for hunting, small game and deer. SF managed for home owner fire wood and for gypsy moths. Includes natural area managed for biodiversity – 30 acres. NY12/8: Sterling Forest 15,000 acre state park managed by Palisades Interstate Park Commission

Boundary:

Cover class review: 90%+ forested

Ecological features, EO's, Expected Communities: NY12/8: dwarf shrub bogs, bog lakes, bats, matrix forest chestnut oak (6282), Appalachian oak hickory (6336).Crotalus horridus – 2 populations small, c or d ranked. AWC, dwarf shrub bog, bats, torrey's mountain mint. Pichpine scrub oak rocky summit.

SIZE:

Total acreage of the matrix site:	**78,684**
Core acreage of the matrix site:	**53,941**

Total acreage of the matrix site:	78,684
Core acreage of the matrix site:	53,941
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 38 %

Average acreage of land blocks within the matrix site:	149
Maximum acreage of any land block within the matrix site:	13,495
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	30,282
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	38

Internal Land Block Size Distribution:

Acres	# Blocks
<100	451
100 - 500	23
500 - 1000	9
1000 - 2000	7
2000 - 5000	7
5000 - 10000	2
10000 - 15000	1
15000+	

MANAGED AREAS: 15 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	9	15	12,097

15 Largest managed area parcels within site

	Name	Acres	Type
1	RINGWOOD MANOR - SP	4,096	STA
2	WANAQUE - WMA	2,473	STA
3	ABRAM S. HEWITT - SF	2,131	STA
4	HARRIMAN STATE PARK	1,789	STA
5	RAMAPO MTN - SF	1,335	STA
6	LONG POND IRON WORKS - SP	208	STA
7	APPALACHIAN - TRAIL	46	STA
8	BEARFORT MTN - NA SP	10	STA
9	RAMAPO LAKE - NA SF	10	STA

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	5
Transitional Barren:	0
Deciduous Forest:	46
Evergreen Forest:	5
Mixed Forest:	33
Forested Wetland:	2
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	3
High Intensity Residential:	1
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	0
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 5

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	39	1
Local Roads (Class 4):	292	4
Railroads:	8	0
Utility Lines:	9	0
4-Wheel Drive Trails	2	0
Foot Trails:	6	0
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	356	5

Boundary Linework

% Of site boundry which is made up of major roads: 69

MATRIX SITE: 106
NAME: Ringswoods
STATE/S: NY/NJ

RANK: Y
ELU GROUP: 5 — Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **61**

ELEVATION SUMMARY

	Percent
0 - 800ft:	53
800 - 1700ft:	47
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	5
Acidic Shale:	8
Calcareous mod Sedimentary:	4
Acidic Granitic / Mafic:	83
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	9
Sideslope:	21
Cove:	12
Gently Sloping Flat:	20
Dry Flat - Till / Patchy Sediment:	12
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	22	26
# Species:	18	22
# Communities:	4	4

STREAMS SUMMARY:

Total miles of streams in the site: **116**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	71	1
Miles of 2nd order streams:	21	0
Miles of 3rd order streams:	5	0
Miles of 4th order streams:	12	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	8	0
Total miles of streams in the site:	116	1

DAMS SUMMARY:

Number of dams in the matrix site: **28**
Dams / 100 miles: **24**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	22
100 - 500 acre - feet	2
500 - 1000 acre - feet	4
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	11
5 - 25	4
25 - 50	7
50 - 100	2
100 - 250	2
250 - 500	
500 - 1000	2
1000 - 25000	

Maximum normal storage of any dams in the site:	27,500
Average normal storage of all dams in the site:	1,973
Maximum drainage area of any dams in the site:	43
Average drainage area of all dams in the site:	6

MATRIX SITE: 107 **RANK:** Y

NAME: Waywayanda **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: NJ/NY

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**36,306**
Core acreage of the matrix site:	**26,149**

Total acreage of the matrix site:	36,306
Core acreage of the matrix site:	26,149
% Core acreage of the matrix site:	72
% Core acreage in natural cover:	97
% Core acreage in non- natural cover:	3

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 22 %

Average acreage of land blocks within the matrix site:	197
Maximum acreage of any land block within the matrix site:	7,950
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	7,950
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	22

Internal Land Block Size Distribution:

Acres	# Blocks
<100	159
100 - 500	4
500 - 1000	4
1000 - 2000	6
2000 - 5000	4
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 30 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	6	30	10,920

15 Largest managed area parcels within site

	Name	Acres	Type
1	WAYWAYANDA - SP	6,928	STA
2	WAYWAYANDA SWAMP - NA SP	2,100	STA
3	BEARFORT MTN - NA SP	1,413	STA
4	WAYWAYANDA HEMLOCK RAVIN - NA SP	397	STA
5	APPALACHIAN - TRAIL	81	STA
6	ABRAM S. HEWITT - SF	1	STA

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	28
Evergreen Forest:	10
Mixed Forest:	46
Forested Wetland:	4
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	4
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	3
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	6	0
Local Roads (Class 4):	113	3
Railroads:	1	0
Utility Lines:	4	0
4-Wheel Drive Trails		
Foot Trails:	3	0
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	128	4

Boundary Linework

% Of site boundry which is made up of major roads:	71

MATRIX SITE: 107
NAME: Waywayanda
STATE/S: NJ/NY

RANK: Y
ELU GROUP: 5 — Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **57**

ELEVATION SUMMARY

	Percent
0 - 800ft:	10
800 - 1700ft:	90
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	15
Acidic Shale:	1
Calcareous mod Sedimentary:	19
Acidic Granitic / Mafic:	64
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	11
Cove:	6
Gently Sloping Flat:	29
Dry Flat - Till / Patchy Sediment:	28
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	6	19
# Species:	4	15
# Communities:	2	4

STREAMS SUMMARY:

Total miles of streams in the site: **54**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	43	1
Miles of 2nd order streams:	10	0
Miles of 3rd order streams:	2	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	54	2

DAMS SUMMARY:

Number of dams in the matrix site: **14**
Dams / 100 miles: **26**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	8
100 - 500 acre - feet	1
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	2
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	1
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	9
5 - 25	3
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	13,370
Average normal storage of all dams in the site:	1,148
Maximum drainage area of any dams in the site:	507
Average drainage area of all dams in the site:	59

MATRIX SITE: 108 **RANK:** Y

NAME: Swartswood Block **SUBSECTION:** 221Ba Hudson Limestone Valley

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	71,200
Core acreage of the matrix site:	43,040

Total acreage of the matrix site:	71,200
Core acreage of the matrix site:	43,040
% Core acreage of the matrix site:	60
% Core acreage in natural cover:	89
% Core acreage in non- natural cover:	11

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 15 %

Average acreage of land blocks within the matrix site:	201
Maximum acreage of any land block within the matrix site:	10,934
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	10,934
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	15

Internal Land Block Size Distribution:

Acres	# Blocks
<100	255
100 - 500	58
500 - 1000	19
1000 - 2000	6
2000 - 5000	5
5000 - 10000	
10000 - 15000	1
15000+	

MANAGED AREAS: 28 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	10	28	20,159

15 Largest managed area parcels within site

	Name	Acres	Type
1	DELAWARE WATER GAP - NRA	10,808	FED
2	STOKES - SF	3,731	STA
3	BEAR SWAMP - WMA	1,910	STA
4	SWARTSWOOD - SP	1,330	STA
5	FLATBROOK - WMA	1,101	STA
6	TILLMANS RAVINE - NA SF	525	STA
7	ROY - WMA	447	STA
8	WALPACK - WMA	133	STA
9	PAULINS KILL - TRAIL	126	STA
10	PAULINSKILL - TRAIL	48	STA

LANDCOVER SUMMARY:

Natural Cover: 82 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	35
Evergreen Forest:	3
Mixed Forest:	38
Forested Wetland:	3
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	82

Non-Natural Cover: 18 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	14
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	18

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 5

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	30	0
Local Roads (Class 4):	306	4
Railroads:	16	0
Utility Lines:	12	0
4-Wheel Drive Trails	2	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	365	5

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 108
NAME: Swartswood Block
STATE/S: NJ

RANK: Y
ELU GROUP: 1 — Very low to low acidic sedimentary with shale and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **43**

ELEVATION SUMMARY

	Percent
0 - 800ft:	52
800 - 1700ft:	48
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	21
Acidic Shale:	53
Calcareous mod Sedimentary:	26
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	10
Cove:	6
Gently Sloping Flat:	30
Dry Flat - Till / Patchy Sediment:	24
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	10

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	18	37
# Species:	15	21
# Communities:	3	16

STREAMS SUMMARY:

Total miles of streams in the site: **119**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	75	1
Miles of 2nd order streams:	19	0
Miles of 3rd order streams:	12	0
Miles of 4th order streams:	13	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	119	2

DAMS SUMMARY:

Number of dams in the matrix site: **21**
Dams / 100 miles: **18**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	13
100 - 500 acre - feet	3
500 - 1000 acre - feet	3
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	1
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	11
5 - 25	6
25 - 50	1
50 - 100	2
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	4,000
Average normal storage of all dams in the site:	426
Maximum drainage area of any dams in the site:	450
Average drainage area of all dams in the site:	31

MATRIX SITE: 109 **RANK:** Y

NAME: Norvin Green **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	21,955
Core acreage of the matrix site:	14,922

Total acreage of the matrix site:	21,955
Core acreage of the matrix site:	14,922
% Core acreage of the matrix site:	68
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 29 %

Average acreage of land blocks within the matrix site:	139
Maximum acreage of any land block within the matrix site:	6,309
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	6,309
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	29

Internal Land Block Size Distribution:

Acres	# Blocks
<100	130
100 - 500	3
500 - 1000	2
1000 - 2000	2
2000 - 5000	3
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 15 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	15	3,329

15 Largest managed area parcels within site

	Name	Acres	Type
1	NORVIN GREEN - SF	2,175	STA
2	LONG POND IRON WORKS - SP	1,049	STA
3	WANAQUE - WMA	105	STA

LANDCOVER SUMMARY:

Natural Cover: 91 %

	Percent
Open Water:	13
Transitional Barren:	0
Deciduous Forest:	43
Evergreen Forest:	2
Mixed Forest:	33
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	91

Non-Natural Cover: 9 %

	Percent
Low Intensity Developed:	6
High Intensity Residential:	1
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	0
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	9

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	6	0
Local Roads (Class 4):	77	3
Railroads:	2	0
Utility Lines:	3	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	87	4

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: 109
NAME: Norvin Green
STATE/S: NJ

RANK: Y
ELU GROUP: 5 Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **24**

ELEVATION SUMMARY

	Percent
0 - 800ft:	69
800 - 1700ft:	31
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	99
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	16
Cove:	8
Gently Sloping Flat:	25
Dry Flat - Till / Patchy Sediment:	13
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	4
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	17

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	16
# Species:	3	15
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **35**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	20	1
Miles of 2nd order streams:	10	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:	2	0
Miles of 5th order streams:	1	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	35	2

DAMS SUMMARY:

Number of dams in the matrix site: **23**
Dams / 100 miles: **65**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	15
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	5
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	9
5 - 25	7
25 - 50	2
50 - 100	
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	4

Maximum normal storage of any dams in the site:	106,100
Average normal storage of all dams in the site:	16,585
Maximum drainage area of any dams in the site:	143
Average drainage area of all dams in the site:	27

MATRIX SITE: 110 **RANK:** U

NAME: Sparta Mountain **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**31,483**
Core acreage of the matrix site:	**21,191**

Total acreage of the matrix site:	31,483
Core acreage of the matrix site:	21,191
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	99
% Core acreage in non- natural cover:	1

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 20 %

Average acreage of land blocks within the matrix site:	145
Maximum acreage of any land block within the matrix site:	6,250
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	6,250
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	20

Internal Land Block Size Distribution:

Acres	# Blocks
<100	186
100 - 500	14
500 - 1000	1
1000 - 2000	1
2000 - 5000	5
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 0 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	2	0	104

15 Largest managed area parcels within site

	Name	Acres	Type
1	HAMBURG MTN - WMA	104	STA
2	PICATTINY - ARSENAL	1	FED

LANDCOVER SUMMARY:

Natural Cover: 92 %

	Percent
Open Water:	4
Transitional Barren:	0
Deciduous Forest:	50
Evergreen Forest:	3
Mixed Forest:	28
Forested Wetland:	6
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	92

Non-Natural Cover: 8 %

	Percent
Low Intensity Developed:	5
High Intensity Residential:	1
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	1
Row Crops:	0
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	8

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	9	0
Local Roads (Class 4):	121	4
Railroads:	7	0
Utility Lines:	3	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	139	4

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: 110
NAME: Sparta Mountain
STATE/S: NJ

RANK: U
ELU GROUP: 5 Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **60**

ELEVATION SUMMARY

	Percent
0 - 800ft:	5
800 - 1700ft:	95
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	5
Acidic Shale:	2
Calcareous mod Sedimentary:	9
Acidic Granitic / Mafic:	83
Ultramafic:	1
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	12
Cove:	6
Gently Sloping Flat:	29
Dry Flat - Till / Patchy Sediment:	26
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	8

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	67
# Species:	2	55
# Communities:	1	12

STREAMS SUMMARY:

Total miles of streams in the site: **32**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	23	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	32	1

DAMS SUMMARY:

Number of dams in the matrix site: **14**
Dams / 100 miles: **44**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	13
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	8
5 - 25	4
25 - 50	1
50 - 100	
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	2,470
Average normal storage of all dams in the site:	341
Maximum drainage area of any dams in the site:	8
Average drainage area of all dams in the site:	1

MATRIX SITE: 111 **RANK:** U

NAME: Kittiny Mtn **SUBSECTION:** 221Ba Hudson Limestone Valley

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments: trout, rattlesnakes, near 100% forested,

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management: 80% Delaware gap national recreation area.

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**28,051**
Core acreage of the matrix site:	**18,792**

Total acreage of the matrix site:	28,051
Core acreage of the matrix site:	18,792
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	93
% Core acreage in non- natural cover:	7

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 52 %

Average acreage of land blocks within the matrix site:	280
Maximum acreage of any land block within the matrix site:	9,427
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	14,533
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	52

Internal Land Block Size Distribution:

Acres	# Blocks
<100	73
100 - 500	16
500 - 1000	4
1000 - 2000	2
2000 - 5000	1
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 41 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	5	41	11,616

15 Largest managed area parcels within site

	Name	Acres	Type
1	DELAWARE WATER GAP - NRA	5,639	FED
2	WORTHINGTON - SF	4,632	STA
3	DUNFIELD CREEK - NA SF	1,062	STA
4	SUNFISH POND - NA SF	263	STA
5	EARL BURGLER - PRESERVE	20	STA

LANDCOVER SUMMARY:

Natural Cover: 89 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	46
Evergreen Forest:	2
Mixed Forest:	37
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	89

Non-Natural Cover: 11 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	9
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	11

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	92	3
Railroads:	2	0
Utility Lines:	14	1
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	109	4

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: **111**
NAME: **Kittiny Mtn**
STATE/S: **NJ**

RANK: **U**
ELU GROUP: **1** Very low to low acidic sedimentary with shale and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **38**

ELEVATION SUMMARY

	Percent
0 - 800ft:	50
800 - 1700ft:	50
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	39
Acidic Shale:	43
Calcareous mod Sedimentary:	18
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	8
Sideslope:	16
Cove:	16
Gently Sloping Flat:	27
Dry Flat - Till / Patchy Sediment:	13
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	2
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	14
# Species:	2	9
# Communities:		5

STREAMS SUMMARY:

Total miles of streams in the site: **33**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	24	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:		
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	33	1

DAMS SUMMARY:

Number of dams in the matrix site: **8**
Dams / 100 miles: **24**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	2
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	1
25 - 50	1
50 - 100	
100 - 250	1
250 - 500	3
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	7,500
Average normal storage of all dams in the site:	3,309
Maximum drainage area of any dams in the site:	310
Average drainage area of all dams in the site:	104

MATRIX SITE: 112
NAME: Johnsonburg
STATE/S: NJ

RANK: Y
SUBSECTION: 221Ba Hudson Limestone Valley

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**29,406**
Core acreage of the matrix site:	**16,495**

Total acreage of the matrix site:	29,406
Core acreage of the matrix site:	16,495
% Core acreage of the matrix site:	56
% Core acreage in natural cover:	67
% Core acreage in non- natural cover:	33

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	228
Maximum acreage of any land block within the matrix site:	2,865
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	71
100 - 500	37
500 - 1000	15
1000 - 2000	4
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 5 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	5	1,442

15 Largest managed area parcels within site

	Name	Acres	Type
1	WHITTINGHAM - WMA	1,282	STA
2	WHITTINGHAM - NA WMA	150	STA
3	JOHNSONBURG - PRESERVE	9	STA
4	ALLAMUCHY - SP	2	STA

LANDCOVER SUMMARY:

Natural Cover: 61 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	27
Evergreen Forest:	2
Mixed Forest:	23
Forested Wetland:	7
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	61

Non-Natural Cover: 39 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	34
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	39

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 5

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	19	1
Local Roads (Class 4):	109	4
Railroads:	10	0
Utility Lines:	5	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	1	0
TOTAL:	143	5

Boundary Linework

% Of site boundry which is made up of major roads:	91

MATRIX SITE: 112
NAME: Johnsonburg
STATE/S: NJ

RANK: Y
ELU GROUP: 1 — Very low to low acidic sedimentary with shale and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **35**

ELEVATION SUMMARY

	Percent
0 - 800ft:	94
800 - 1700ft:	6
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	1
Acidic Shale:	41
Calcareous mod Sedimentary:	57
Acidic Granitic / Mafic:	1
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	3
Cove:	1
Gently Sloping Flat:	24
Dry Flat - Till / Patchy Sediment:	36
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	12
Wet Flat / Slope Bottom:	16
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	22	42
# Species:	9	30
# Communities:	13	12

STREAMS SUMMARY:

Total miles of streams in the site: **40**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	31	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:		
Miles of 4th order streams:	5	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	40	1

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **15**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	3
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	1
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	2
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	160
Average normal storage of all dams in the site:	81
Maximum drainage area of any dams in the site:	125
Average drainage area of all dams in the site:	26

MATRIX SITE: 113 **RANK:** Y

NAME: Farny Highlands **SUBSECTION:** 221Ae Hudson Highlands

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**47,857**
Core acreage of the matrix site:	**29,895**

Total acreage of the matrix site:	47,857
Core acreage of the matrix site:	29,895
% Core acreage of the matrix site:	62
% Core acreage in natural cover:	95
% Core acreage in non- natural cover:	5

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 25 %

Average acreage of land blocks within the matrix site:	185
Maximum acreage of any land block within the matrix site:	6,841
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	11,878
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	25

Internal Land Block Size Distribution:

Acres	# Blocks
<100	196
100 - 500	28
500 - 1000	9
1000 - 2000	4
2000 - 5000	5
5000 - 10000	2
10000 - 15000	
15000+	

MANAGED AREAS: 13 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	13	6,241

15 Largest managed area parcels within site

	Name	Acres	Type
1	PICATTINY - ARSENAL	5,487	FED
2	FARNEY - NA	546	STA
3	FARNEY - SP	208	STA

LANDCOVER SUMMARY:

Natural Cover: 89 %

	Percent
Open Water:	6
Transitional Barren:	0
Deciduous Forest:	38
Evergreen Forest:	2
Mixed Forest:	36
Forested Wetland:	6
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	89

Non-Natural Cover: 11 %

	Percent
Low Intensity Developed:	5
High Intensity Residential:	1
High Intensity Commercial/Industrial:	2
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	0
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	11

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 5

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	4	0
Local Roads (Class 4):	230	5
Railroads:	20	0
Utility Lines:	1	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	256	5

Boundary Linework

% Of site boundry which is made up of major roads:	44

MATRIX SITE: 113
NAME: Farny Highlands
STATE/S: NJ

RANK: Y
ELU GROUP: 5 Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **60**

ELEVATION SUMMARY

	Percent
0 - 800ft:	45
800 - 1700ft:	55
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	12
Acidic Shale:	1
Calcareous mod Sedimentary:	5
Acidic Granitic / Mafic:	80
Ultramafic:	2
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	12
Cove:	5
Gently Sloping Flat:	29
Dry Flat - Till / Patchy Sediment:	20
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	3
Wet Flat / Slope Bottom:	15
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	28	19
# Species:	28	18
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **69**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	33	1
Miles of 2nd order streams:	20	0
Miles of 3rd order streams:	13	0
Miles of 4th order streams:	4	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	69	1

DAMS SUMMARY:

Number of dams in the matrix site: **30**
Dams / 100 miles: **43**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	19
100 - 500 acre - feet	8
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	1
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	11
5 - 25	16
25 - 50	1
50 - 100	1
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	2,257
Average normal storage of all dams in the site:	279
Maximum drainage area of any dams in the site:	566
Average drainage area of all dams in the site:	27

MATRIX SITE: 114 **RANK:** M

NAME: Merrill Creek **SUBSECTION:** 221Am Reading Prong

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**27,728**
Core acreage of the matrix site:	**16,048**

Total acreage of the matrix site:	27,728
Core acreage of the matrix site:	16,048
% Core acreage of the matrix site:	58
% Core acreage in natural cover:	76
% Core acreage in non- natural cover:	24

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	144
Maximum acreage of any land block within the matrix site:	2,008
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	147
100 - 500	25
500 - 1000	13
1000 - 2000	6
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total			

15 Largest managed area parcels within site

	Name	Acres	Type
0			

LANDCOVER SUMMARY:

Natural Cover: 70 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	42
Evergreen Forest:	0
Mixed Forest:	21
Forested Wetland:	2
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	70

Non-Natural Cover: 30 %

	Percent
Low Intensity Developed:	3
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	18
Row Crops:	7
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	30

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 6

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	152	5
Railroads:	7	0
Utility Lines:	2	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	160	6

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: 114
NAME: Merrill Creek
STATE/S: NJ

RANK: M
ELU GROUP: 5 Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **34**

ELEVATION SUMMARY

	Percent
0 - 800ft:	62
800 - 1700ft:	38
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	3
Acidic Shale:	0
Calcareous mod Sedimentary:	17
Acidic Granitic / Mafic:	79
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	18
Cove:	9
Gently Sloping Flat:	29
Dry Flat - Till / Patchy Sediment:	22
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	12	13
# Species:	12	7
# Communities:		6

STREAMS SUMMARY:

Total miles of streams in the site: **36**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	24	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	0	0
Miles of 4th order streams:	2	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	36	1

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **17**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	6
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	4
5 - 25	
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	1
1000 - 25000	

Maximum normal storage of any dams in the site:	46,000
Average normal storage of all dams in the site:	7,809
Maximum drainage area of any dams in the site:	3
Average drainage area of all dams in the site:	1

MATRIX SITE: 115 **RANK:** M

NAME: Long Valley **SUBSECTION:** 221Am Reading Prong

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no

Logging history: 2nd growth

Other comments:

Road density: lots of little farm roads

Unique features: sliver of limestone ridge.

Ecological features, EO's, Expected Communities: oak dominated communities with hemlock gorge.

Aquatic features: unranked bog turtleMuscenetcong River – good trout stream

General comments/rank: maybe

Landscape assessment:

Ownership/ management: big private farms

Boundary:

Cover class review: 70+% forested

SIZE:

Total acreage of the matrix site:	29,454
Core acreage of the matrix site:	16,802

Total acreage of the matrix site:	29,454
Core acreage of the matrix site:	16,802
% Core acreage of the matrix site:	57
% Core acreage in natural cover:	76
% Core acreage in non- natural cover:	24

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	210
Maximum acreage of any land block within the matrix site:	1,593
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	90
100 - 500	26
500 - 1000	16
1000 - 2000	8
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 2 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	2	633

15 Largest managed area parcels within site

	Name	Acres	Type
1	VORHEES - SP	589	STA
2	ISENBURGER - PRESERVE	27	STA
3	SPRUCE RUN - RA	10	STA
4	HACKETTSTOWN - FISH HATCHERY	6	STA

LANDCOVER SUMMARY:

Natural Cover: 73 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	42
Evergreen Forest:	1
Mixed Forest:	27
Forested Wetland:	3
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	73

Non-Natural Cover: 27 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	21
Row Crops:	3
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	27

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 6

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	154	5
Railroads:	8	0
Utility Lines:	2	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	163	6

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 115
NAME: Long Valley
STATE/S: NJ

RANK: M
ELU GROUP: 5 Low to very low granitic slopes, scattered sedimentary/ultramafic features

ECOLOGICAL LAND UNITS:

Total in site: **24**

ELEVATION SUMMARY

	Percent
0 - 800ft:	53
800 - 1700ft:	47
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	0
Acidic Shale:	0
Calcareous mod Sedimentary:	16
Acidic Granitic / Mafic:	84
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	11
Cove:	7
Gently Sloping Flat:	32
Dry Flat - Till / Patchy Sediment:	28
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	8	17
# Species:	8	13
# Communities:		4

STREAMS SUMMARY:

Total miles of streams in the site: **46**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	28	1
Miles of 2nd order streams:	0	0
Miles of 3rd order streams:	18	1
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	46	2

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **4**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	20
Average normal storage of all dams in the site:	17
Maximum drainage area of any dams in the site:	86
Average drainage area of all dams in the site:	44

MATRIX SITE: 116 **RANK:** MY

NAME: Hacklebarney **SUBSECTION:** 221Am Reading Prong

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**24,312**
Core acreage of the matrix site:	**15,908**

Total acreage of the matrix site:	24,312
Core acreage of the matrix site:	15,908
% Core acreage of the matrix site:	65
% Core acreage in natural cover:	65
% Core acreage in non- natural cover:	35

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	312
Maximum acreage of any land block within the matrix site:	2,114
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	37
100 - 500	20
500 - 1000	15
1000 - 2000	5
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 4 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	2	4	1,044

15 Largest managed area parcels within site

	Name	Acres	Type
1	HACKLE BARNEY - SP	578	STA
2	HACKLE BARNEY - NA SP	466	STA

LANDCOVER SUMMARY:

Natural Cover: 62 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	31
Evergreen Forest:	5
Mixed Forest:	25
Forested Wetland:	2
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	62

Non-Natural Cover: 38 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	33
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	38

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	95	4
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	95	4

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: **116**
NAME: **Hacklebarney**
STATE/S: **NJ**

RANK: **MY**
ELU GROUP: **3a** Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: **32**

ELEVATION SUMMARY

	Percent
0 - 800ft:	89
800 - 1700ft:	11
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	41
Acidic Shale:	9
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	49
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	6
Cove:	2
Gently Sloping Flat:	30
Dry Flat - Till / Patchy Sediment:	43
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	2	21
# Species:	2	16
# Communities:		5

STREAMS SUMMARY:

Total miles of streams in the site: **41**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	28	1
Miles of 2nd order streams:	10	0
Miles of 3rd order streams:	4	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	41	2

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 117 **RANK:** MY

NAME: Great Swamp **SUBSECTION:** 221Da Gettysburg Piedmont Lowland

STATE/S: NJ

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history: logged

Other comments: ditched and sewage treatment waters flowing through

Road density:

Unique features: matrix site dominated by patch communities, great breeding birds.

Ecological features, EO's, Expected Communities: mosaic of aquatic communities, marshes, some forest

Aquatic features: bog turtles

General comments/rank: maybe

Landscape assessment: isolated by development

Ownership/ management: mostly protected NWR

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**15,170**
Core acreage of the matrix site:	**10,455**

Total acreage of the matrix site:	15,170
Core acreage of the matrix site:	10,455
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	91
% Core acreage in non- natural cover:	9

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 40 %

Average acreage of land blocks within the matrix site:	309
Maximum acreage of any land block within the matrix site:	6,020
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	6,020
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	40

Internal Land Block Size Distribution:

Acres	# Blocks
<100	35
100 - 500	8
500 - 1000	3
1000 - 2000	
2000 - 5000	2
5000 - 10000	1
10000 - 15000	
15000+	

MANAGED AREAS: 47 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	2	47	7,162

15 Largest managed area parcels within site

	Name	Acres	Type
1	GREAT SWAMP - NWR	7,082	FED
2	PRIMROSE BROOK - PRESERVE	80	STA

LANDCOVER SUMMARY:

Natural Cover: 80 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	20
Evergreen Forest:	1
Mixed Forest:	15
Forested Wetland:	40
Emergent Herbaceous Wetland:	4
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	80

Non-Natural Cover: 20 %

	Percent
Low Intensity Developed:	8
High Intensity Residential:	1
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	9
Row Crops:	0
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	20

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	54	4
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	54	4

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 117
NAME: Great Swamp
STATE/S: NJ

RANK: MY
ELU GROUP: Outlier

ECOLOGICAL LAND UNITS:

Total in site: **13**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	89
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	11
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	1
Cove:	0
Gently Sloping Flat:	5
Dry Flat - Till / Patchy Sediment:	11
Dry Flat - Fine Grained Sediment:	14
Dry Flat - Coarse Grained Sediment:	12
Wet Flat / Slope Bottom:	45
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	5	8
# Species:	5	8
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **39**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	19	1
Miles of 2nd order streams:	9	1
Miles of 3rd order streams:	8	1
Miles of 4th order streams:	3	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	39	3

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **5**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	68
Average normal storage of all dams in the site:	49
Maximum drainage area of any dams in the site:	10
Average drainage area of all dams in the site:	9

MATRIX SITE: 118
NAME: Sourland Mountains
STATE/S: NJ

In final portfolio, boundaries changed, area SHRUNK.

RANK: Y
SUBSECTION: 221Da Gettysburg Piedmont Lowland

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no.
Logging history:	2nd growth
Other comments:	block with greatest amount of forested wetland.
Road density:	road diving blocks is lone hill or Montgomery road
Unique features:	headwaters to stony brook which is one of the best streams for alas. Varicosa.
Aquatic features:	acidic wetlands
General comments/rank:	YES
Landscape assessment:	surrounded heavily by agriculture.
Ownership/ management:	large parcels
Boundary:	
Cover class review:	17,000 forest, 4,200 forested wetland

Ecological features, EO's, Expected Communities: no eo'sredmaple dominated wetlands, some nyssa; terrestrial – maple-beech? And oak.

SIZE:

Total acreage of the matrix site:	32,121
Core acreage of the matrix site:	20,402

Total acreage of the matrix site:	32,121
Core acreage of the matrix site:	20,402
% Core acreage of the matrix site:	64
% Core acreage in natural cover:	73
% Core acreage in non- natural cover:	27

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	324
Maximum acreage of any land block within the matrix site:	4,382
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	50
100 - 500	30
500 - 1000	11
1000 - 2000	6
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 1 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	2	1	227

15 Largest managed area parcels within site

	Name	Acres	Type
1	HIGHFIELDS - PRESERVE EASEMENT	181	STA
2	AMWELL LAKE - WMA	45	STA

LANDCOVER SUMMARY:

Natural Cover: 66 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	22
Evergreen Forest:	1
Mixed Forest:	29
Forested Wetland:	13
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	66

Non-Natural Cover: 34 %

	Percent
Low Intensity Developed:	4
High Intensity Residential:	0
High Intensity Commercial/Industrial:	1
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	27
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	34

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	5	0
Local Roads (Class 4):	113	4
Railroads:	14	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	133	4

Boundary Linework

% Of site boundry which is made up of major roads:	100

MATRIX SITE: 118
NAME: Sourland Mountains
STATE/S: NJ

RANK: Y
ELU GROUP: 3a Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: **20**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	45
Acidic Shale:	39
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	17
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	0
Sideslope:	1
Cove:	1
Gently Sloping Flat:	30
Dry Flat - Till / Patchy Sediment:	45
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	15
Stream / River / Lake:	7

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		5
# Species:		5
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **55**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	39	1
Miles of 2nd order streams:	9	0
Miles of 3rd order streams:	2	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:	4	0
Total miles of streams in the site:	55	2

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 119 **RANK:** M

NAME: Furnace Hills **SUBSECTION:** 221Da Gettysburg Piedmont Lowland

STATE/S: PA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no, some old trees

Logging history: 3rd growth

Other comments: block is a ridge line.

Road density: primarily dirt roads going east-west. Not a lot of paved roads.

Unique features: no major developments

Ecological features, EO's, Expected Communities: chestnut oak ridge, tulip popular – ash side slope. Beater woods.

Aquatic features: lots of bog turtles and other targetstrout streams, headwaters for several streams

General comments/rank: maybe

Landscape assessment: compressed block by agriculture riddled valleys.

Ownership/ management: Lancaster county very interested in protecting this. Game lands, GSA, private, county land, 35% protected

Boundary:

Cover class review: 80%+ natural cover

SIZE:

Total acreage of the matrix site: **34,021**

Core acreage of the matrix site: **18,342**

Total acreage of the matrix site:	34,021
Core acreage of the matrix site:	18,342
% Core acreage of the matrix site:	54
% Core acreage in natural cover:	90
% Core acreage in non- natural cover:	10

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	158
Maximum acreage of any land block within the matrix site:	3,967
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	153
100 - 500	43
500 - 1000	10
1000 - 2000	5
2000 - 5000	2
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 32 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	32	10,858

15 Largest managed area parcels within site

	Name	Acres	Type
1	GAMELAND 46	4,461	STA
2	GAMELAND 156	4,374	STA
3	GAMELAND 145	2,016	STA
4	VALLEY FORGE STATE FOREST	5	STA

LANDCOVER SUMMARY:

Natural Cover: 84 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	79
Evergreen Forest:	1
Mixed Forest:	2
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	84

Non-Natural Cover: 16 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	1
Hay Pasture:	8
Row Crops:	6
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	16

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 6

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	23	1
Local Roads (Class 4):	154	5
Railroads:	5	0
Utility Lines:	18	1
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	200	6

Boundary Linework

% Of site boundry which is made up of major roads: 52

MATRIX SITE: **119**
NAME: **Furnace Hills**
STATE/S: **PA**

RANK: **M**
ELU GROUP: **1** Very low to low acidic sedimentary with shale and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **45**

ELEVATION SUMMARY

	Percent
0 - 800ft:	76
800 - 1700ft:	24
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	79
Acidic Shale:	5
Calcareous mod Sedimentary:	3
Acidic Granitic / Mafic:	13
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	5
Sideslope:	17
Cove:	7
Gently Sloping Flat:	28
Dry Flat - Till / Patchy Sediment:	24
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	6	7
# Species:	6	7
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **43**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	36	1
Miles of 2nd order streams:	3	0
Miles of 3rd order streams:	3	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	43	1

DAMS SUMMARY:

Number of dams in the matrix site: **6**
Dams / 100 miles: **14**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	2
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	3
5 - 25	1
25 - 50	
50 - 100	1
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	3,213
Average normal storage of all dams in the site:	805
Maximum drainage area of any dams in the site:	11
Average drainage area of all dams in the site:	3

MATRIX SITE: 120 **RANK:** MY

NAME: French Creek East/Pine Swamp **SUBSECTION:** 221Da Gettysburg Piedmont Lowland

STATE/S: PA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no – though ridgetop chestnut oak of mangy trees
Logging history:	
Other comments:	lots of invasives, gypsy moths
Road density:	moderate, houses under canopy.
Unique features:	pine swamp (white)
Aquatic features:	one of the best stream invertebrate faunas in state.reservoirs
General comments/rank:	maybe-yes
Landscape assessment:	lot of agriculture surrounding block
Ownership/ management:	30% protected mostly state park (no logging), 70% private, also a quarry
Boundary:	
Cover class review:	70% forested

Ecological features, EO's, Expected Communities: a few rattlesnakes.chestnut oak dry, side slope tulip popular – birch – scattered oaks.

SIZE:

Total acreage of the matrix site:	**43,648**
Core acreage of the matrix site:	**25,812**

Total acreage of the matrix site:	43,648
Core acreage of the matrix site:	25,812
% Core acreage of the matrix site:	59
% Core acreage in natural cover:	84
% Core acreage in non- natural cover:	16

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	187
Maximum acreage of any land block within the matrix site:	3,366
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	170
100 - 500	36
500 - 1000	15
1000 - 2000	7
2000 - 5000	5
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 22 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	3	22	9,667

15 Largest managed area parcels within site

	Name	Acres	Type
1	FRENCH CREEK	6,967	STA
2	GAMELAND 43	1,859	STA
3	HOPEWELL VILLAGE	842	FED

LANDCOVER SUMMARY:

Natural Cover: 79 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	72
Evergreen Forest:	3
Mixed Forest:	3
Forested Wetland:	1
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	79

Non-Natural Cover: 21 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	16
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	21

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 5

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	30	1
Local Roads (Class 4):	179	4
Railroads:	19	0
Utility Lines:	2	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	230	5

Boundary Linework

% Of site boundry which is made up of major roads:	52

MATRIX SITE: 120
NAME: French Creek East/Pine Swamp
STATE/S: PA

RANK: MY
ELU GROUP: 1 — Very low to low acidic sedimentary with shale and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **38**

ELEVATION SUMMARY

	Percent
0 - 800ft:	96
800 - 1700ft:	4
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	73
Acidic Shale:	11
Calcareous mod Sedimentary:	1
Acidic Granitic / Mafic:	15
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	2
Sideslope:	10
Cove:	3
Gently Sloping Flat:	40
Dry Flat - Till / Patchy Sediment:	28
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	11
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	7	7
# Species:	4	6
# Communities:	3	1

STREAMS SUMMARY:

Total miles of streams in the site: **64**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	45	1
Miles of 2nd order streams:	11	0
Miles of 3rd order streams:	7	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:	0	0
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	64	1

DAMS SUMMARY:

Number of dams in the matrix site: **5**
Dams / 100 miles: **8**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	4
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	2
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	569
Average normal storage of all dams in the site:	198
Maximum drainage area of any dams in the site:	15
Average drainage area of all dams in the site:	4

MATRIX SITE: 121 **RANK:** M

NAME: Silver Hill **SUBSECTION:** 221Da Gettysburg Piedmont Lowland

STATE/S: PA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no

Logging history: same as other PA sites

Other comments: beater woods

Road density: very little road

Unique features: quarry

Ecological features, EO's, Expected Communities: notulip popular and oak

Aquatic features: no

General comments/rank: maybe\ maybe-no

Landscape assessment: agriculture and suburban on three sides.

Ownership/ management: 35% state gamelands, 65% private or watershed lands

Boundary:

Cover class review: 90% forested

SIZE:

Total acreage of the matrix site: **14,187**

Core acreage of the matrix site: **8,309**

Total acreage of the matrix site:	14,187
Core acreage of the matrix site:	8,309
% Core acreage of the matrix site:	59
% Core acreage in natural cover:	85
% Core acreage in non- natural cover:	15

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	229
Maximum acreage of any land block within the matrix site:	2,888
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	39
100 - 500	17
500 - 1000	2
1000 - 2000	3
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 17 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	17	2,414

15 Largest managed area parcels within site

	Name	Acres	Type
1	GAMELAND 52	2,414	STA

LANDCOVER SUMMARY:

Natural Cover: 76 %

	Percent
Open Water:	1
Transitional Barren:	0
Deciduous Forest:	70
Evergreen Forest:	3
Mixed Forest:	3
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	76

Non-Natural Cover: 24 %

	Percent
Low Intensity Developed:	1
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	1
Hay Pasture:	20
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	24

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 5

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	71	5
Railroads:	0	0
Utility Lines:	1	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	72	5

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: 121
NAME: Silver Hill
STATE/S: PA

RANK: M
ELU GROUP: 1 — Very low to low acidic sedimentary with shale and calcareous features, little granite

ECOLOGICAL LAND UNITS:

Total in site: **28**

ELEVATION SUMMARY

	Percent
0 - 800ft:	81
800 - 1700ft:	19
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	80
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	20
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	11
Cove:	4
Gently Sloping Flat:	40
Dry Flat - Till / Patchy Sediment:	25
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	6

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		3
# Species:		2
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **21**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	13	1
Miles of 2nd order streams:	6	0
Miles of 3rd order streams:	2	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	21	1

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **10**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	2
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	51
Average normal storage of all dams in the site:	26
Maximum drainage area of any dams in the site:	1
Average drainage area of all dams in the site:	0

MATRIX SITE: 122 **RANK:** MY

NAME: Broad Creek/Pilot **SUBSECTION:** 221Db Piedmont Upland

STATE/S: MD/PA

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	yes, Hemlock with adelgid
Logging history:	all 2nd growth, woodlots, sprayed for Moth
Other comments:	hemlock stand being used for research on adelgid and use of predatory beatle.Poor, all agriculture, highly fragmented.. exclude PA. Shrink boundary on map.
Road density:	Rt. 623 not a major road, winding, paved local road,
Unique features:	steep slopes down to river, block includes a dam lake.
Aquatic features:	dam lake, Broad Creek watershed.Braod Creek is hammered, boy scout camp down is better portion of creek. Lake serves as sediment and nutrient trap.
General comments/rank:	maybe-yes\maybe; road issue is greatest concern, also small parcels and lots of agriculture.
Landscape assessment:	embedded in agri. land. US Rt 1 seperating it from potentially connecting up with south block
Ownership/ management:	BSA Scout Camp (2,000 acres includes some PICO – Philadelphia Power and Electric), PICO, and private tiny parcels, includes GSA, Pilot Preserve -TNC
Boundary:	MD12/18:Reasonable arguments can be made for "combining"
Cover class review:	50-60% forested, remainder agriculture

Ecological features, EO's, Expected Communities: 2 bog turtles probably in agri – may be historical, Serpentine Barren (Pilot),some serpentine features, oak hickory, maybe some beech,

SIZE:

Total acreage of the matrix site:	**22,612**
Core acreage of the matrix site:	**15,631**

Total acreage of the matrix site:	22,612
Core acreage of the matrix site:	15,631
% Core acreage of the matrix site:	69
% Core acreage in natural cover:	78
% Core acreage in non- natural cover:	22

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	366
Maximum acreage of any land block within the matrix site:	3,240
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	24
100 - 500	14
500 - 1000	6
1000 - 2000	3
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 0 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	0	30

15 Largest managed area parcels within site

	Name	Acres	Type
1	Pilot Serpentine Barren	30	PVT

LANDCOVER SUMMARY:

Natural Cover: 71 %

	Percent
Open Water:	23
Transitional Barren:	0
Deciduous Forest:	41
Evergreen Forest:	3
Mixed Forest:	3
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	71

Non-Natural Cover: 29 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	21
Row Crops:	7
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	29

(Landcover summary based on total area of the matrix site)

ROADS, ETC.:

Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	10	0
Local Roads (Class 4):	55	2
Railroads:	3	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	69	3

Boundary Linework

% Of site boundry which is made up of major roads:	40

MATRIX SITE: 122
NAME: Broad Creek/Pilot
STATE/S: MD/PA

RANK: MY
ELU GROUP: 3a Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: **22**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	29
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	54
Ultramafic:	17
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	4
Cove:	4
Gently Sloping Flat:	31
Dry Flat - Till / Patchy Sediment:	25
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	6
Stream / River / Lake:	27

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	10	28
# Species:	7	25
# Communities:	3	3

STREAMS SUMMARY:

Total miles of streams in the site: **26**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	12	1
Miles of 2nd order streams:	7	0
Miles of 3rd order streams:	7	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	26	1

DAMS SUMMARY:

Number of dams in the matrix site: **2**
Dams / 100 miles: **8**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	1
100 - 500 acre - feet	
500 - 1000 acre - feet	1
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	1
5 - 25	
25 - 50	1
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	958
Average normal storage of all dams in the site:	480
Maximum drainage area of any dams in the site:	40
Average drainage area of all dams in the site:	22

MATRIX SITE: 123
NAME: Pretty Boy Reservoir
STATE/S: MD

In final portfolio, Blocks 123 and 125 were combined. New name: Pretty Boy/Hereford.

RANK: MY
SUBSECTION: 221Db Piedmont Upland

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no. mature forest.

Logging history: 2nd with red and white pine plantations.

Other comments:

Road density: one big road and local roads.

Unique features: rockdale meadows with Indian grass, prairie of unknown origin. wildlands area is very nice (Gunpowder state park).

Ecological features, EO's, Expected Communities: Pycnanthemum torreyioak\hickories of upper \middle income

Aquatic features: seepage and calcareous wetlands (Scott Smith), water supply reservoirempounded

General comments/rank: wildlands area is very nice (Gunpowder state park). Maybe yes/maybe

Landscape assessment: agriculture, seperated from other blocks

Ownership/ management: state of Maryland, Baltimore city, many small private.

Boundary: MD12/18:Reasonable arguments can be made for "combining"

Cover class review: 80% forested

SIZE:

Total acreage of the matrix site:	15,901
Core acreage of the matrix site:	11,754

Total acreage of the matrix site:	15,901
Core acreage of the matrix site:	11,754
% Core acreage of the matrix site:	74
% Core acreage in natural cover:	83
% Core acreage in non- natural cover:	17

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	797
Maximum acreage of any land block within the matrix site:	3,004
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	2
100 - 500	5
500 - 1000	5
1000 - 2000	5
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 16 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	16	2,510

15 Largest managed area parcels within site

	Name	Acres	Type
1	Gunpowder Falls State Park	2,510	STA

LANDCOVER SUMMARY:

Natural Cover: 77 %

	Percent
Open Water:	10
Transitional Barren:	0
Deciduous Forest:	50
Evergreen Forest:	11
Mixed Forest:	6
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	77

Non-Natural Cover: 23 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	13
Row Crops:	9
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	23

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework

	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	4	0
Local Roads (Class 4):	29	2
Railroads:	0	0
Utility Lines:	3	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	36	2

Boundary Linework

% Of site boundry which is made up of major roads: 23

MATRIX SITE: 123
NAME: Pretty Boy Reservoir
STATE/S: MD

RANK: MY
ELU GROUP: 3b Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: 12

ELEVATION SUMMARY

	Percent
0 - 800ft:	99
800 - 1700ft:	1
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	100
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	0
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	9
Cove:	2
Gently Sloping Flat:	40
Dry Flat - Till / Patchy Sediment:	19
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	14
Stream / River / Lake:	15

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	17
# Species:	3	17
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: 20

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	11	1
Miles of 2nd order streams:	4	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:	4	0
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	20	1

DAMS SUMMARY:

Number of dams in the matrix site: 1
Dams / 100 miles: 5

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	1

Maximum normal storage of any dams in the site:	60,100
Average normal storage of all dams in the site:	60,100
Maximum drainage area of any dams in the site:	80
Average drainage area of all dams in the site:	80

MATRIX SITE: 124 **RANK:** MY

NAME: Lower Deer Creek **SUBSECTION:** 221Db Piedmont Upland

STATE/S: MD

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth: no. Some mature definitely in park

Logging history: average for region, same as Broad Brook.

Other comments:

Road density: LOTS of invasives, a who's who including kudzu

Unique features: good neotropical migrants. Last place for hellbenders outside the mountains.

Aquatic features: Includes lots of aquatic features. Last place for big river features outside the Potomac Gorge or this stretch of the Susquehanna River. High energy river if not for dam.good, except there is little high energy water today.

General comments/rank: maybe\ maybe yes

Landscape assessment: agriculture; connection to other blocks hammpered by large roads.

Ownership/ management: Susquehanna State Park – management too river. Picnicking, riding. 3,000 acre managed area.

Boundary: MD12/18:Reasonable arguments can be made for "combining"

Cover class review: <50% forested

Ecological features, EO's, Expected Communities: recent bog turtle eo in eastern boundary, nesting and wintering bald eaglesriverine islands – floodplain forest, cottenwood.

SIZE:

Total acreage of the matrix site: **8,016**

Core acreage of the matrix site: **5,918**

Total acreage of the matrix site:	8,016
Core acreage of the matrix site:	5,918
% Core acreage of the matrix site:	74
% Core acreage in natural cover:	74
% Core acreage in non- natural cover:	26

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	370
Maximum acreage of any land block within the matrix site:	1,977
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	7
100 - 500	4
500 - 1000	1
1000 - 2000	2
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 22 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	22	1,743

15 Largest managed area parcels within site

	Name	Acres	Type
1	Unknown Named Parcel	1,743	STA

LANDCOVER SUMMARY:

Natural Cover: 74 %

	Percent
Open Water:	37
Transitional Barren:	0
Deciduous Forest:	31
Evergreen Forest:	2
Mixed Forest:	3
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	74

Non-Natural Cover: 26 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	24
Row Crops:	2
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	26

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	11	1
Railroads:	4	1
Utility Lines:	0	0
4-Wheel Drive Trails	1	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	15	2

Boundary Linework

% Of site boundry which is made up of major roads: 46

MATRIX SITE: **124**
NAME: **Lower Deer Creek**
STATE/S: **MD**

RANK: **MY**
ELU GROUP: **3a** Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: **13**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	23
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	77
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	4
Cove:	2
Gently Sloping Flat:	25
Dry Flat - Till / Patchy Sediment:	16
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	40

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	4	13
# Species:	4	12
# Communities:		1

STREAMS SUMMARY:

Total miles of streams in the site: **11**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	5	1
Miles of 2nd order streams:	0	0
Miles of 3rd order streams:		
Miles of 4th order streams:	5	1
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:	1	0
Miles of unclassified streams:		
Total miles of streams in the site:	11	1

DAMS SUMMARY:

Number of dams in the matrix site: **1**
Dams / 100 miles: **9**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	1

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	1

Maximum normal storage of any dams in the site:	301,400
Average normal storage of all dams in the site:	301,400
Maximum drainage area of any dams in the site:	27,083
Average drainage area of all dams in the site:	27,083

MATRIX SITE: 125 **RANK:** M

NAME: Hereford area of Gunpowder

STATE/S: MD **SUBSECTION:** 221Db Piedmont Upland

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history: some planted conifer

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities: hemlock on river, oak\hickory.

Aquatic features: river – trout , cold high-energy from reservoir

General comments/rank: possible add on to 98. Maybe no on its own but better with 98. Better than 97. Good core area.

Landscape assessment:

Ownership/ management: part of Gunpowder falls state park

Boundary: MD12/18:Reasonable arguments can be made for "combining"

Cover class review:

SIZE:

Total acreage of the matrix site:	**10,236**
Core acreage of the matrix site:	**6,672**

Total acreage of the matrix site:	10,236
Core acreage of the matrix site:	6,672
% Core acreage of the matrix site:	65
% Core acreage in natural cover:	69
% Core acreage in non- natural cover:	31

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	465
Maximum acreage of any land block within the matrix site:	1,648
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	9
100 - 500	3
500 - 1000	8
1000 - 2000	2
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 10 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	10	996

15 Largest managed area parcels within site

	Name	Acres	Type
1	Gunpowder Falls State Park	996	STA

LANDCOVER SUMMARY:

Natural Cover: 64 %

	Percent
Open Water:	0
Transitional Barren:	0
Deciduous Forest:	55
Evergreen Forest:	4
Mixed Forest:	4
Forested Wetland:	0
Emergent Herbaceous Wetland:	0
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	64

Non-Natural Cover: 36 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	25
Row Crops:	11
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	36

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	0	0
Local Roads (Class 4):	28	3
Railroads:	5	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	33	3

Boundary Linework

% Of site boundry which is made up of major roads: 100

MATRIX SITE: **125**
NAME: **Hereford area of Gunpowder**
STATE/S: **MD**

RANK: **M**
ELU GROUP: **3a** Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: **21**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	85
Acidic Shale:	0
Calcareous mod Sedimentary:	0
Acidic Granitic / Mafic:	8
Ultramafic:	7
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	6
Cove:	2
Gently Sloping Flat:	52
Dry Flat - Till / Patchy Sediment:	20
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	10
Stream / River / Lake:	9

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:		4
# Species:		4
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: **23**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	12	1
Miles of 2nd order streams:	2	0
Miles of 3rd order streams:		
Miles of 4th order streams:	6	1
Miles of 5th order streams:	2	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	23	2

DAMS SUMMARY:

Number of dams in the matrix site:
Dams / 100 miles:

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:
Average normal storage of all dams in the site:
Maximum drainage area of any dams in the site:
Average drainage area of all dams in the site:

MATRIX SITE: 126 **RANK:** M

NAME: Lock Raven **SUBSECTION:** 221Db Piedmont Upland

STATE/S: MD

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	no. mature forest
Logging history:	same
Other comments:	huge development pressure on edges.
Road density:	
Unique features:	2 bald eagle nests
Ecological features, EO's, Expected Communities:	oak-hickoryVitis repustris
Aquatic features:	reservoir, bass, lampsilis radiatedfair to middlin'
General comments/rank:	maybe no\maybe
Landscape assessment:	huge development pressure on edge. Island of green in long term
Ownership/ management:	Reservoir – City of Baltimore
Boundary:	MD12/18: One MD block – Loch Raven #126 – will probably be
Cover class review:	cross two roads – 80-90% natural including water

SIZE:

Total acreage of the matrix site:	**13,652**
Core acreage of the matrix site:	**9,164**

Total acreage of the matrix site:	13,652
Core acreage of the matrix site:	9,164
% Core acreage of the matrix site:	67
% Core acreage in natural cover:	84
% Core acreage in non- natural cover:	16

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	457
Maximum acreage of any land block within the matrix site:	1,875
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	14
100 - 500	2
500 - 1000	3
1000 - 2000	6
2000 - 5000	
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 4 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	1	4	590

15 Largest managed area parcels within site

	Name	Acres	Type
1	Gunpowder Falls State Park	590	STA

LANDCOVER SUMMARY:

Natural Cover: 79 %

	Percent
Open Water:	16
Transitional Barren:	0
Deciduous Forest:	40
Evergreen Forest:	10
Mixed Forest:	11
Forested Wetland:	0
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	79

Non-Natural Cover: 21 %

	Percent
Low Intensity Developed:	4
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	12
Row Crops:	4
Other Grass (lawns, city parks, golf courses):	1
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	21

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 3

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	5	0
Local Roads (Class 4):	33	2
Railroads:	0	0
Utility Lines:	0	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	38	3

Boundary Linework

% Of site boundry which is made up of major roads:	54

MATRIX SITE: 126
NAME: Lock Raven
STATE/S: MD

RANK: M
ELU GROUP: 2b Very low granitic/sandy outwash plain

ECOLOGICAL LAND UNITS:

Total in site: 27

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	49
Acidic Shale:	0
Calcareous mod Sedimentary:	38
Acidic Granitic / Mafic:	12
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	1

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	3
Sideslope:	11
Cove:	5
Gently Sloping Flat:	34
Dry Flat - Till / Patchy Sediment:	18
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	9
Stream / River / Lake:	20

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	3	3
# Species:	3	3
# Communities:		

STREAMS SUMMARY:

Total miles of streams in the site: 13

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	9	1
Miles of 2nd order streams:	2	0
Miles of 3rd order streams:	0	0
Miles of 4th order streams:	1	0
Miles of 5th order streams:	1	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	13	1

DAMS SUMMARY:

Number of dams in the matrix site: 2
Dams / 100 miles: 16

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	2
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	1
25 - 50	
50 - 100	
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	1

Maximum normal storage of any dams in the site:	72,700
Average normal storage of all dams in the site:	36,425
Maximum drainage area of any dams in the site:	303
Average drainage area of all dams in the site:	303

MATRIX SITE: 127
NAME: Lower Patapsco River
STATE/S: MD

RANK: MY
SUBSECTION: 221Db Piedmont Upland

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:	only mature
Logging history:	same
Other comments:	lots of invasives but some good pockets, still lots of houses
Road density:	same
Unique features:	most intact stream\valley ecosystem in MD north of Potomac
Ecological features, EO's, Expected Communities:	state eo's but no g1-3some good floodplain forest
Aquatic features:	medium energy stream
General comments/rank:	maybe yes, maybe
Landscape assessment:	close to high development on two sides
Ownership/ management:	state, little private in small parcels
Boundary:	MD 12/18:MD block, #127 (Lower Patapsco River) still looks ok,
Cover class review:	75% forested, some wetlands, cut out the agriculture 10%

SIZE:

Total acreage of the matrix site:	19,954
Core acreage of the matrix site:	12,779

Total acreage of the matrix site:	19,954
Core acreage of the matrix site:	12,779
% Core acreage of the matrix site:	64
% Core acreage in natural cover:	76
% Core acreage in non- natural cover:	24

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 0 %

Average acreage of land blocks within the matrix site:	556
Maximum acreage of any land block within the matrix site:	2,637
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	0
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	0

Internal Land Block Size Distribution:

Acres	# Blocks
<100	13
100 - 500	9
500 - 1000	4
1000 - 2000	8
2000 - 5000	1
5000 - 10000	
10000 - 15000	
15000+	

MANAGED AREAS: 40 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	4	40	8,072

15 Largest managed area parcels within site

	Name	Acres	Type
1	McKeldin Recreation Area	8,069	STA
2	Western Area Park	1	MUN
3	Mc Keldin Rec Area	1	MUN
4	Unknown Named Parcel	0	STA

LANDCOVER SUMMARY:

Natural Cover: 71 %

	Percent
Open Water:	3
Transitional Barren:	0
Deciduous Forest:	50
Evergreen Forest:	7
Mixed Forest:	10
Forested Wetland:	0
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	71

Non-Natural Cover: 29 %

	Percent
Low Intensity Developed:	2
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	22
Row Crops:	5
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	29

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 4

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	3	0
Local Roads (Class 4):	57	3
Railroads:	12	1
Utility Lines:	3	0
4-Wheel Drive Trails		
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	75	4

Boundary Linework

% Of site boundry which is made up of major roads:	35

MATRIX SITE: 127
NAME: Lower Patapsco River
STATE/S: MD

RANK: MY
ELU GROUP: 3a Very low acidic sedimentary/granitic, northern piedmont

ECOLOGICAL LAND UNITS:

Total in site: **28**

ELEVATION SUMMARY

	Percent
0 - 800ft:	100
800 - 1700ft:	0
1700 - 2500ft:	0
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	32
Acidic Shale:	0
Calcareous mod Sedimentary:	2
Acidic Granitic / Mafic:	59
Ultramafic:	7
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	0
Upper slope / Summit:	1
Sideslope:	7
Cove:	2
Gently Sloping Flat:	40
Dry Flat - Till / Patchy Sediment:	27
Dry Flat - Fine Grained Sediment:	0
Dry Flat - Coarse Grained Sediment:	0
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	11

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	12
# Species:	1	10
# Communities:		2

STREAMS SUMMARY:

Total miles of streams in the site: **44**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	19	1
Miles of 2nd order streams:	5	0
Miles of 3rd order streams:	1	0
Miles of 4th order streams:	10	0
Miles of 5th order streams:	8	0
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	44	2

DAMS SUMMARY:

Number of dams in the matrix site: **3**
Dams / 100 miles: **7**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	1
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	1

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	
5 - 25	
25 - 50	
50 - 100	1
100 - 250	1
250 - 500	
500 - 1000	
1000 - 25000	1

Maximum normal storage of any dams in the site:	177,000
Average normal storage of all dams in the site:	60,200
Maximum drainage area of any dams in the site:	3,106
Average drainage area of all dams in the site:	1,072

MATRIX SITE: 128
NAME: Lake George/S. Bay
STATE/S: NY

In final portfolio, boundaries changed, areas GREW and SHRUNK.

RANK:

SUBSECTION: 221Bc Hudson Glacial Lake Plains

COMMENTS:

collected during potential matrix site meetings, Summer 1999

Old growth:

Logging history:

Other comments:

Road density:

Unique features:

Ecological features, EO's, Expected Communities:

Aquatic features:

General comments/rank:

Landscape assessment:

Ownership/ management:

Boundary:

Cover class review:

SIZE:

Total acreage of the matrix site:	**113,173**
Core acreage of the matrix site:	**97,126**

Total acreage of the matrix site:	113,173
Core acreage of the matrix site:	97,126
% Core acreage of the matrix site:	86
% Core acreage in natural cover:	98
% Core acreage in non- natural cover:	2

(Core acreage = > 200m from major road or airport and >100m from local roads, railroads and utility lines)

INTERNAL LAND BLOCKS OVER 5k: 86 %

Average acreage of land blocks within the matrix site:	2,314
Maximum acreage of any land block within the matrix site:	71,502
Total acreage of the matrix site that is part of 5000 + acre sized land blocks:	97,170
% of the total acreage of the matrix site that is made up of 5000 + acre sized land blocks:	86

Internal Land Block Size Distribution:

Acres	# Blocks
<100	27
100 - 500	8
500 - 1000	5
1000 - 2000	3
2000 - 5000	1
5000 - 10000	2
10000 - 15000	1
15000+	1

MANAGED AREAS: 20 %

(Conservation and other Federal / State managed parcels > 500acres)

	# Parcels in block	Percent	Acres
Managed Area Total	2	20	22,712

15 Largest managed area parcels within site

	Name	Acres	Type
1	LAKE GEORGE WILD FOREST	22,688	STA
2	STATE BOAT LAUNCHING SITE	24	STA

LANDCOVER SUMMARY:

Natural Cover: 96 %

	Percent
Open Water:	2
Transitional Barren:	0
Deciduous Forest:	40
Evergreen Forest:	29
Mixed Forest:	24
Forested Wetland:	1
Emergent Herbaceous Wetland:	1
Deciduous shrubland:	0
Bare rock sand:	0
TOTAL:	96

Non-Natural Cover: 4 %

	Percent
Low Intensity Developed:	0
High Intensity Residential:	0
High Intensity Commercial/Industrial:	0
Quarries/Strip Mines/Gravel Pits:	0
Hay Pasture:	2
Row Crops:	1
Other Grass (lawns, city parks, golf courses):	0
Orchards, Vineyards, Tree Plantations:	0
Plantations:	0
TOTAL:	4

(Landcover summary based on total area of the matrix site)

ROADS, ETC.: Miles / 1k acres: 2

Internal Transportation Linework	Miles	Miles / 1,000 Acres
Major Roads (Class 1-3):	4	0
Local Roads (Class 4):	151	1
Railroads:	0	0
Utility Lines:	4	0
4-Wheel Drive Trails	22	0
Foot Trails:		
Other (ski lift, permanent fence, airstrip)	0	0
TOTAL:	182	2

Boundary Linework

% Of site boundry which is made up of major roads: 39

MATRIX SITE: 128
NAME:
STATE/S: NY

RANK:
ELU GROUP: 6b Low to very low sedimentary/granitic with little calcareous features

ECOLOGICAL LAND UNITS:

Total in site: **69**

ELEVATION SUMMARY

	Percent
0 - 800ft:	46
800 - 1700ft:	48
1700 - 2500ft:	5
2500 - 4000ft:	0
400ft+ft:	0

GEOLOGY SUMMARY:

	Percent
Acidic Sedimentary / Metasedimentary:	27
Acidic Shale:	0
Calcareous mod Sedimentary:	4
Acidic Granitic / Mafic:	69
Ultramafic:	0
Coarse sedimentary: (only in unglaciated region)	0

LANDFORM SUMMARY

	Percent
Cliff:	2
Upper slope / Summit:	10
Sideslope:	26
Cove:	24
Gently Sloping Flat:	15
Dry Flat - Till / Patchy Sediment:	5
Dry Flat - Fine Grained Sediment:	2
Dry Flat - Coarse Grained Sediment:	1
Wet Flat / Slope Bottom:	12
Stream / River / Lake:	3

ELEMENT OCCURRENCES:

	Within the matrix site:	Within a 5km buffer of the matrix site:
# EO's:	1	55
# Species:	1	16
# Communities:		39

STREAMS SUMMARY:

Total miles of streams in the site: **66**

	Miles	Miles / 1000 acres:
Miles of 1st order streams:	52	0
Miles of 2nd order streams:	14	0
Miles of 3rd order streams:	0	0
Miles of 4th order streams:		
Miles of 5th order streams:		
Miles of 6th order streams:		
(Note: no 7th order streams are found in the sites)		
Miles of 8th order streams:		
Miles of unclassified streams:		
Total miles of streams in the site:	66	1

DAMS SUMMARY:

Number of dams in the matrix site: **8**
Dams / 100 miles: **12**

Dam Normal Storage Distribution:

Acre - Feet	# Dams
0 - 100 acre - feet	7
100 - 500 acre - feet	1
500 - 1000 acre - feet	
1000 - 2000 acre - feet	
2000 - 5000 acre - feet	
5000 - 10000 acre - feet	
10000 - 50000 acre - feet	
5000 + acre - feet	

Dam Drainage Area Distribution:

Square miles	# Dams
0 - 5	2
5 - 25	5
25 - 50	
50 - 100	1
100 - 250	
250 - 500	
500 - 1000	
1000 - 25000	

Maximum normal storage of any dams in the site:	1,604
Average normal storage of all dams in the site:	407
Maximum drainage area of any dams in the site:	9
Average drainage area of all dams in the site:	2