

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B</u>	Database Point Code <u>MABl-AA1</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6211</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: 	

GPS file name <u>B1r</u>	Field UTM X _____ m E	Field UTM Y _____ m N
GPS Error <u>6.4</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
please do not complete the following information when in the field		
Corrected UTM X _____ m E	Corrected UTM Y _____ m N	UTM Zone <u>19</u>

Survey Date <u>9/21/06</u>	Surveyors <u>Gunter / Langley</u>
Park Site Name: <u>MABl</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>367</u> m	Slope <u>moderate</u>	Aspect <u>N</u>
Topographic Position <u>mid slope</u>		
Landform <u>hill</u>		

Environmental Comments (including hydrology): <u>moderate hillside community</u> <u>typical NH</u>	Unvegetated Surface: (please use the cover scale below) <u>0</u> Bedrock <u>75</u> Litter, duff <u>true to not scale</u> <u>10</u> Wood (> 1 cm) <u>5</u> Large rocks (cobbles, boulders > 10 cm) <u>5</u> Small rocks (gravel, 0.2-10 cm) <u>0</u> Sand (0.1-2 mm) <u>10</u> Bare soil Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ___ Evergreen ☒ Cold-deciduous ___ Mixed evergreen - cold-deciduous ___ % evergreen ___ % deciduous <u>Herbs</u> ___ Annual ☒ Perennial	☒ Broad-leaved ___ Needle-leaved ___ Mixed Broad/Needle leaved ___ Graminoid ___ Forb ___ Pteridophyte	☒ Forest ___ Woodland ___ Shrubland ___ Dwarf Shrubland ___ Herbaceous ___ Nonvascular ___ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	/	/	/	/
T2 Canopy	07	80%	Acer sac D Betula D Fagus gra Frax ame	/
T3 Sub-canopy	06	60%	Fagus gra D Ostrya vir D Acer sac Tsuga can	/
S1 Tall shrub	04	10%	Fagus gra D	/
S2 Short Shrub	/	/	/	/
S3 Dwarf-shrub	/	/	/	/
H Herbaceous	01	20%	Viola (pubescens drumstick) Erythraea D Sis. Coes Mertensia Thelypodium D	Trillium sursum Osmunda clay Polypodium Prenanthes alt Dryas D
N Non-vascular	/	/	/	/
V Vine/liana	/	/	/	/

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B2</u>	Database Point Code <u>mABl-AA2</u>
Primary Map Unit <u>BL</u>	Assoc Code/Name <u>7279</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B2 r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>7.0</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____	m E Corrected UTM Y _____ m N UTM Zone <u>19</u>
Survey Date <u>7/21/06</u> Surveyors <u>Gawler / Kargay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: _____	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>310</u> m	Slope <u>gentle</u>	Aspect <u>N</u>
Topographic Position <u>lower slope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology): <u>- gentle lower slope</u> <u>- 2 trails clear-cut plot</u> <u>- few old cut stumps</u>		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>40</u> % evergreen <u>60</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent				
T2 Canopy	08	70%	Robinia pseudo (215%) D Frax americana Prunus Pinus strobus D	
T3 Sub-canopy	07	80%	Acer sac D	
S1 Tall shrub	04	60%	Acer sac D Fagus gra Acer pen	
S2 Short Shrub	03	10%	Acer sac D Acer pen Fagus gra	
S3 Dwarf-shrub				
H Herbaceous	01	80%	Dennis punc Dry ing D Main Can Pony acres Malt str Dlocally)	Athyx Felix Penn D Beach Penn Lonicar jap Aricadma tri Eury lat Onoclea sens Galium b. Pl arm Traveller coral Maiden Dry marg
N Non-vascular				
V Vine/liana				

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B3</u>	Database Point Code <u>MAB1-AA3</u>
Primary Map Unit <u>PRP</u>	Assoc Code/Name <u>7177</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B3r</u>	Field UTM X _____	m E Field UTM Y _____	m N
GPS Error <u>6.5</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
<i>please do not complete the following information when in the field</i>			
Corrected UTM X _____	m E Corrected UTM Y _____	m N	UTM Zone <u>19</u>

Survey Date <u>9/21/06</u> Surveyors <u>Gawler / Largay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>351</u> m	Slope <u>mod-steep</u>	Aspect <u>N</u>
Topographic Position <u>upper slope</u>		
Landform <u>hill</u>		

Environmental Comments (including hydrology): <u>red pine plantation with</u> <u>NH coming in under</u> <u>hill side community</u> <u>tree pine litter - lots of CWD - particularly red pine</u>	Unvegetated Surface: (please use the cover scale below) ☒ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☒ Evergreen ☒ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☐ % evergreen ☐ % deciduous <u>Herbs</u> ☐ Annual ☒ Perennial	☐ Broad-leaved ☒ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	08	40%	Pinus resinosa D	—
T3 Sub-canopy	06	80%	Fagus grca D Frax ame Pinu stro Acer sac D Acer pen	—
S1 Tall shrub	—	5%	Fagus grca D	—
S2 Short Shrub	—	<1%	Berberis thun	—
S3 Dwarf-shrub	—	—	N/A	—
H Herbaceous	—	10%	Dracopis D Acer saccharum Dennis pen Manna can	—
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B4</u>	Database Point Code <u>MAB-444</u>
Primary Map Unit <u>FH</u>	Assoc Code/Name <u>N/A Anderson type</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>cultural fire</u>	
GPS file name <u>B4r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>12.1</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Gawler/Kang</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>368</u> m Slope <u>gentle</u> Aspect <u>NE</u>
Topographic Position <u>mid slope</u>
Landform <u>hill</u>
Environmental Comments (including hydrology): <u>min topography</u> <u>Open fire</u> Unvegetated Surface: (please use the cover scale below.) ☐ Bedrock ☒ Litter, duff ☐ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> _____ Evergreen _____ Cold-deciduous _____ Mixed evergreen - cold-deciduous _____ % evergreen <u>10</u> % deciduous	_____ Broad-leaved _____ Needle-leaved _____ Mixed Broad/Needle leaved ☒ Graminoid _____ Forb _____ Pteridophyte	_____ Forest _____ Woodland _____ Shrubland _____ Dwarf Shrubland ☒ Herbaceous _____ Nonvascular _____ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> _____ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	N/A	_____
T2 Canopy	_____	_____	N/A	_____
T3 Sub-canopy	_____	_____	N/A	_____
S1 Tall shrub	_____	_____	N/A	_____
S2 Short Shrub	_____	_____	N/A	_____
S3 Dwarf-shrub	_____	_____	N/A	_____
H Herbaceous	_____	100%	Timothy grass D	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Hay field - Anderson
cover type

Cover Scale:
Strata and Species

01 5%
02 10%
03 20%
04 30%
05 40%
06 50%
07 60%
08 70%
09 80%
10 90%
11 100%

Height Scale:
Strata

01 <0.5 m
02 0.5-1 m
03 1-2 m
04 2-5 m
05 5-10 m
06 10-15 m
07 15-20 m
08 20-35 m
09 35-50 m
10 >50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B5</u>	Database Point Code <u>MAB1-AA5</u>
Primary Map Unit <u>PLP</u>	Assoc Code/Name <u>6408</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B5</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>8.1</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Gawler/Kurpy</u> Park Site Name: <u>MAB1</u> Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____

ENVIRONMENTAL DESCRIPTION

Elevation <u>400</u> m Slope <u>steep</u>	Aspect <u>west</u>
Topographic Position <u>upper slope / shoulder</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>larch plantation on relatively steep slope</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>100</u> % evergreen _____ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u>09</u>	<u>60</u>	<u>Larix decidua D</u>	
T2 Canopy	<u>07</u>	<u>70%</u>	<u>Acer sac D</u> <u>Acer rub</u> <u>Frax ame</u> <u>Fagus gra</u>	
T3 Sub-canopy	<u>06</u>	<u>20%</u>	<u>Acer sac D</u>	
S1 Tall shrub		<u>10%</u>	<u>Acer sac D</u> <u>Bugia can</u>	
S2 Short Shrub	<u>/</u>	<u>/</u>	<u>none</u>	
S3 Dwarf-shrub	<u>/</u>	<u>/</u>	<u>none</u>	
H Herbaceous	<u>0.5</u>	<u>5%</u>	<u>Urtica dio</u> <u>Polyg marg D</u> <u>Polyg astro</u> <u>Carex sp</u> <u>Main can</u>	
N Non-vascular	<u>/</u>	<u>/</u>	<u>none</u>	
V Vine/liana	<u>/</u>	<u>/</u>	<u>none</u>	

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B2</u>	Database Point Code <u>MAB1-AA6</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6252 pole / early successional</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B2</u>	Field UTM X _____	m E Field UTM Y _____	m N
GPS Error <u>17.6</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
<i>please do not complete the following information when in the field</i>			
Corrected UTM X _____	m E Corrected UTM Y _____	m N	UTM Zone <u>19</u>

Survey Date <u>9/20/06</u> Surveyors <u>Chandler / Karp</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>388</u> m	Slope <u>moderate</u>	Aspect <u>SE</u>
Topographic Position <u>Mid slope</u>		
Landform <u>hill</u>		

Environmental Comments (including hydrology): <u>pk sized sugar maple</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☐ Evergreen ☐ Cold-deciduous ☒ Mixed evergreen - cold-deciduous ☐ % evergreen ☐ % deciduous	☒ Broad-leaved ☐ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "*")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>05</u>	<u>60%</u>	<u>Acer sac D</u>	_____
T3 Sub-canopy	<u>_____</u>	<u>_____</u>	<u>_____</u>	_____
S1 Tall shrub	<u>03</u>	<u>20%</u>	<u>Acer sac D</u>	_____
S2 Short Shrub	<u>02</u>	<u>45%</u>	<u>Rubus vulg D</u> <u>Acer sac</u>	_____
S3 Dwarf-shrub	<u>_____</u>	<u>_____</u>	<u>_____</u>	_____
H Herbaceous	<u>40.5</u>	<u>20%</u>	<u>Equisetum sp D (collected)</u> <u>Rhus styhns</u> <u>Acer sac D</u> <u>Day mark</u> <u>Festuca sp. Solid caesi on</u>	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B7</u>	Database Point Code <u>MABl-AA7</u>
Primary Map Unit <u>WPS</u>	Assoc Code/Name <u>7944</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: need key help! or map help	
GPS file name <u>B7r</u>	Field UTM X _____ m E Field UTM Y _____ m N
GPS Error <u>6.7</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E	Corrected UTM Y _____ m N UTM Zone <u>19</u>
Survey Date <u>9/20/06</u> Surveyors <u>Gawler/Larson</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>388</u> m	Slope <u>Flat</u> Aspect <u>Flat</u>
Topographic Position <u>flat</u>	
Landform <u>plateau like flat between 2 hills</u>	
Environmental Comments (including hydrology): <u>thick pine needle litter layer</u> <u>some old evidence of cutting</u> <u>labbage / open from multiple stemmed white pines</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>80</u> % evergreen: <u>20</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u> </u>	<u> </u>	<u> </u>	<u> </u>
T2 Canopy	<u>07</u>	<u>80%</u>	Pinus strobus D Pinus ser Acer rub Frax ame	<u> </u>
T3 Sub-canopy	<u>06</u>	<u>20%</u>	~~Acer rub~~ Acer sac D	<u> </u>
S1 Tall shrub	<u> </u>	<u> </u>	N/A	<u> </u>
S2 Short Shrub	<u> </u>	<u> </u>	N/A	<u> </u>
S3 Dwarf-shrub	<u> </u>	<u> </u>	<u> </u>	<u> </u>
H Herbaceous	<u>01</u>	<u>60%</u>	Frax ame D Festuca sp. Acer sac D Dry int Berb vulg Polytrich Onoclea sens Pinus strobus	<u> </u>
N Non-vascular	<u> </u>	<u> </u>	<u> </u>	<u> </u>
V Vine/liana	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B8</u>	Database Point Code <u>MABLAA8</u>
Primary Map Unit <u>WPS</u>	Assoc Code/Name <u>7944</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: May need a little more than just planted rows to distinguish WPS + WP plantation for notice (ie EFL!)	
GPS file name <u>B8r</u>	Field UTM X _____ m E Field UTM Y _____ m N
GPS Error <u>5.5</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Granley / Largent</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>362</u> m Slope <u>moderate</u> Aspect <u>n/a</u>	
Topographic Position <u>upper slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): open grown white pines on upper slope of hill. lower than old vitis vine - dead trees marked for study w/ metal tags	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
Trees and Shrubs ☒ Evergreen _____ Cold-deciduous _____ Mixed evergreen - cold-deciduous ☒ 100% evergreen _____ % deciduous	_____ Broad-leaved ☒ Needle-leaved _____ Mixed Broad/Needle leaved _____ Graminoid _____ Forb _____ Pteridophyte	☒ Forest _____ Woodland _____ Shrubland _____ Dwarf Shrubland _____ Herbaceous _____ Nonvascular _____ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
Herbs _____ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>07</u>	<u>80%</u>	<u>pinus strobus D</u>	_____
T3 Sub-canopy	<u>06</u>	<u>20%</u>	<u>Acer rubrum D</u> <u>Frax americana</u>	_____
S1 Tall shrub	_____	_____	<u>N/A</u>	_____
S2 Short Shrub	_____	_____	<u>N/A</u>	_____
S3 Dwarf-shrub	_____	_____	<u>N/A</u>	_____
H Herbaceous	<u>01</u>	<u>10%</u>	<u>Dens pine</u> <u>Dry int D</u> <u>Dry aspen</u> <u>Beech fern (need to check)</u> <u>Dry maple</u> <u>Carex platyphylla</u>	<u>Thelypodium</u> <u>Solidago</u> <u>Carex arcuata</u> <u>Frax americana</u> <u>Aster latifolius</u>
N Non-vascular	_____	_____	<u>N/A</u>	_____
V Vine/liana	_____	_____	<u>N/A</u>	_____

Comments	Cover Scale:	Height Scale:
	Strata and Species	Strata
	01 5%	01 <0.5 m
	02 10%	02 0.5-1 m
	03 20%	03 1-2 m
	04 30%	04 2-5 m
	05 40%	05 5-10 m
	06 50%	06 10-15 m
	07 60%	07 15-20 m
	08 70%	08 20-35 m
	09 80%	09 35-50 m
	10 90%	10 >50 m
	11 100%	

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B.9</u>	Database Point Code <u>MAB-AA9</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6252 pole variant</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B.9r</u>	Field UTM X _____	m E Field UTM Y _____	m N
GPS Error <u>16.6</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
<i>please do not complete the following information when in the field</i>			
Corrected UTM <u>X</u> _____	m E	Corrected UTM <u>X</u> _____	m N UTM Zone <u>19</u>

Survey Date <u>9/20/06</u> Surveyors <u>Gawler / Larpay</u> Park Site Name: <u>MAB</u> Quad Name: Woodstock North Quad Code 4307265	Area surveyed: 25 m radius circle ☒ other (describe) _____
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ENVIRONMENTAL DESCRIPTION

Elevation <u>409</u> m	Slope <u>moderate</u>	Aspect <u>South</u>
Topographic Position <u>mid slope</u>		
Landform <u>hill</u>		

Environmental Comments (including hydrology): <u>old field species</u> <u>under average - pole sized</u> <u>Stagmaples</u> <u>Some cut stumps / thinning evident</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> Evergreen _____ ☒ Cold-deciduous Mixed evergreen - cold-deciduous _____ % evergreen <u>100</u> % deciduous	☒ Broad-leaved Needle-leaved _____ Mixed Broad/Needle leaved _____ Graminoid _____ Forb _____ Pteridophyte _____	☒ Forest Woodland _____ Shrubland _____ Dwarf Shrubland _____ Herbaceous _____ Nonvascular _____ Sparsely Vegetated _____	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> Annual _____ ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")		Cover Class
T1 Emergent	—	—			
T2 Canopy	06	60%	Acer sac D Frax ~~ana~~		
T3 Sub-canopy	05	10%	Acer sac D		
S1 Tall shrub	—	—	N/A		
S2 Short Shrub	03	20%	Ostrya ^{vir} D		
S3 Dwarf-shrub	—	—	N/A		
H Herbaceous	01	80%	Solid rugosa D Pirus strabus Deso. Pex Festuca sp. D Carex sp. " Old field species		Hieracium sp. Eupatorium Carex plat Euthamia gr Rhus flaj Anthox odor
N Non-vascular	—	—	N/A		
V Vine/liana	—	—	N/A		

Comments

Cover Scale:

Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:

Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B10</u>	Database Point Code <u>MABl-AA10</u>
Primary Map Unit <u>NHR</u>	Assoc Code/Name <u>5008</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B10r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>4.8</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X <u>22</u> m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Gawler/Largay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>401</u> m	Slope <u>gentle</u>	Aspect <u>South</u>
Topographic Position <u>upper slope</u>		
Landform <u>knoll</u>		
Environmental Comments (including hydrology): <u>grassy / solid x on knoll</u> <u>large patches of bare soil</u> <u>dry mesic variant of rich NH</u>		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☒ Bare soil Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen <u>100</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	07	80%	Acer sac D Frax ame Tilia ame (only 1)	—
T3 Sub-canopy	06	40%	Acer sac D Ostrya vir D Fagus gra	—
S1 Tall shrub	04	30%	Ostrya vir D Fagus gra D	—
S2 Short Shrub	/	/	N/A	—
S3 Dwarf-shrub	/	/	N/A	—
H Herbaceous	01	70%	Piptatemon rac D Ostrya vir D Solid caes D Carex platyphylla Erag div.	Verbasum thaps
N Non-vascular	/	/	—	—
V Vine/liana	/	/	—	—

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B11</u>	Database Point Code <u>MAB1-A11</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6211</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>key works clearly</u>	
GPS file name <u>B11r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.8</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E Corrected UTM Y _____ m N	UTM Zone <u>19</u>
Survey Date <u>9/20/06</u> Surveyors <u>Gruver/Karjane</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: _____	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>347</u> m Slope <u>moderate</u> Aspect <u>South</u>	
Topographic Position <u>midslope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>slope community</u> <u>Recent snags + blowdowns</u> <u>deciduous leaf litter</u> <u>on logging road just upslope of point</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen <u>100</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—		
T2 Canopy	<u>07</u>	<u>70%</u>	<u>Fagus gra D</u> <u>Acer sac</u>	
T3 Sub-canopy	<u>06</u>	<u>40%</u>	<u>Fagus gra D</u> <u>Buga can</u>	
S1 Tall shrub	<u>2-5m</u>	<u>20%</u>	<u>Fagus gra D</u>	
S2 Short Shrub	<u>1-2</u>	<u>20%</u>	<u>Fagus gra D</u> <u>Acer pen</u>	
S3 Dwarf-shrub	<u>N/A</u>	<u>N/A</u>		
H Herbaceous	<u>20.5</u>	<u>40%</u>	<u>Carex platyphila</u> Dry margin <u>Eurybia div. D</u> <u>Solidago spec</u> D → <u>Carex pen (like)</u> - lawn <u>Fagus gra D</u> like red x <u>Common Speedwell</u>	
N Non-vascular	<u>N/A</u>	<u>N/A</u>		
V Vine/liana	<u>N/A</u>	<u>N/A</u>		

Comments

Cover Scale:
Strata and Species

Height S
Strata

01	5%	01	<
02	10%	02	(
03	20%	03	1
04	30%	04	2
05	40%	05	3
06	50%	06	4
07	60%	07	5
08	70%	08	6
09	80%	09	7
10	90%	10	8
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B12</u>	Database Point Code <u>MABl-AA12</u>
Primary Map Unit <u>Hem</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: 	
GPS file name <u>B12r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>8.7</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Gravler / Langley</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>334</u> m	Slope <u>mod - gentle</u>	Aspect <u>N</u>
Topographic Position <u>mid slope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology): <u>gentle slope - Tsuga dominant</u> <u>Saw large CWD in past</u> <u>thick hemlock leaf litter</u> <u>sparse herb layer</u>		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>80</u> % evergreen <u>20</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
	☐ Pteridophyte	☐ Nonvascular	06 50%
<u>Herbs</u>		☐ Sparsely Vegetated	07 60%
☐ Annual			08 70%
☒ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	1	/	W / H	
T2 Canopy	09	80%	Bugia can D Betula all	
T3 Sub-canopy	07	40%	Acer sac Betula all D Fagus gra Tsuga can	
S1 Tall shrub	04	30%	Fagus gra D Tsuga can	
S2 Short Shrub	/	/	W/A	
S3 Dwarf-shrub	/	/	W/A	
H Herbaceous	<0.5	10%	Tsuga can D Fagus gra Dry int D	
N Non-vascular	/	/	/	
V Vine/liana	/	/	/	

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B13</u>	Database Point Code <u>MAB-AA13</u>
Primary Map Unit <u>FH</u>	Assoc Code/Name <u>N/A Hayfield / Pasture</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>open field w/ scattered shrubs @ edge. pasture.</u>	
GPS file name <u>B13r</u> Field UTM X _____ m E Field UTM Y _____ m N GPS Error <u>5.6</u> m GPS unit: <u>Garmin GPSMAP 60CSx, WAAS enabled, internal processing</u> please do not complete the following information when in the field Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Gawler / Largay</u> Park Site Name: _____ Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____

ENVIRONMENTAL DESCRIPTION

Elevation <u>329</u> m Slope <u>varies</u> Aspect <u>ENE</u>	Topographic Position <u>hill</u>
Landform <u>hill</u>	
Environmental Comments (including hydrology): 	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☐ Litter, duff <u>none</u> ☐ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☐ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen % deciduous	☒ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	_____	_____	_____	_____
T3 Sub-canopy	_____	_____	_____	_____
S1 Tall shrub	_____	_____	_____	_____
S2 Short Shrub	_____	_____	_____	_____
S3 Dwarf-shrub	_____	_____	_____	_____
H Herbaceous	<u>01</u>	<u>11</u>	_____	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Anderson Landuse Type, did not sample

veg.

Pasture grasses, Asclepias.

Small Pinus strobus & Eragrostis @ edges

Fenced as for pasture

Cover Scale:
Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:
Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABI) - VT

Field Point Code <u>B14</u>	Database Point Code <u>MABI-AA14</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>621</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B14r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>7.2</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E	Corrected UTM Y _____ m N UTM Zone <u>19</u>
Survey Date <u>9/20/06</u> Surveyors <u>Gunter / L. py</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABI</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>345</u> m	Slope <u>gentle</u>	Aspect <u>N/A</u>
Topographic Position <u>mid slope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology):		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☐ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>	☒ Broad-leaved	☒ Forest	01 5%
☐ Evergreen	☐ Needle-leaved	☐ Woodland	02 10%
☒ Cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ Mixed evergreen - cold-deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
☐ % evergreen ☐ % deciduous	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	<u>07</u>	<u>70%</u>	<u>Fagus gra D</u> <u>Acer sac D</u> <u>Popul all</u>	—
T3 Sub-canopy	<u>06</u>	<u>60%</u>	<u>Fagus gra D</u> <u>Betula car</u>	—
S1 Tall shrub	—	<u>15%</u>	<u>Fagus gra D</u>	—
S2 Short Shrub	<u> </u>	<u> </u>	<u> </u>	—
S3 Dwarf-shrub	<u> </u>	<u> </u>	<u> </u>	—
H Herbaceous	<u>0.5</u>	<u>20%</u>	<u>Dennis purc D</u> <u>Fagus gra</u> <u>Acer plm</u> <u>Dryas D</u>	—
N Non-vascular	<u> </u>	<u> </u>	<u> </u>	—
V Vine/liana	<u> </u>	<u> </u>	<u> </u>	—

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B16</u>	Database Point Code <u>MABl-AA16</u>
Primary Map Unit <u>PWP</u>	Assoc Code/Name <u>7778</u>
Secondary Map Unit <u>PMP</u>	Assoc Code/Name <u>6313</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>key ok</u> <u>White pine clearly dominant, but there are a few scattered Norway spruce + Scotch pine</u>	
GPS file name <u>B16r</u>	Field UTM X _____ m E Field UTM Y _____ m N
GPS Error <u>5.6</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing
please do not complete the following information when in the field Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>1/19/06</u> Surveyors <u>Gawler / Langley</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>259</u> m	Slope <u>Flat</u>	Aspect <u>Flat</u>
Topographic Position <u>Plateau</u>		
Landform <u>Flat / terrace</u>		
Environmental Comments (including hydrology): 		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☐ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☒ % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☒ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10
			11

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
^{Canopy} T1 Emergent	<u>20%</u>	<u>70%</u>	<u>Pinus Strobus D</u> <u>Picea doies</u>	
^{Sub} T2 Canopy	<u>12</u>	<u>60%</u>	<u>Acer sacch D</u> <u>Tsuga canad</u>	
T3 Sub-canopy				
S1 Tall shrub	<u>2.5m</u>	<u>5%</u>	<u>Fagus gra D</u> ~~sub~~	
S2 Short Shrub	<u>1-2m</u>	<u><1%</u>	<u>Berberis</u>	
S3 Dwarf-shrub	<u>N/A</u>	<u>N/A</u>	<u>une</u>	
H Herbaceous	<u>01</u>	<u>5%</u>	<u>Dry LWT</u> <u>Poly ACRO</u> <u>Dry CAES</u> <u>Aster Dive</u> <u>Gemma</u>	
N Non-vascular				
V Vine/liana				

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B17</u>	Database Point Code <u>MABL-AA17</u>
Primary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit <u>HBO</u>	Assoc Code/Name <u>6088</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>a few red oaks, a few beech, sugar maple + paper birch in canopy + hemlock / ostragal in subcanopy.</u>	
GPS file name <u>B17r</u>	Field UTM X _____ m E Field UTM Y _____ m N
GPS Error <u>5.6</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing
please do not complete the following information when in the field	
Corrected UTM X _____	Corrected UTM Y _____ m N UTM Zone <u>19</u>
Survey Date <u>9/21/06</u>	Surveyors <u>Graham Hargay</u>
Park Site Name: <u>MABl</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>443</u> m	Slope <u>moderate</u>
Aspect <u>W</u>	
Topographic Position <u>upper slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>dry upper slope</u> <u>patchy beech, hemlock + oak</u> <u>over 1 hemlock in canopy, but dominant in subcanopy</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>	☒ Broad-leaved	☒ Forest	01 5%
☐ Evergreen	☐ Needle-leaved	☐ Woodland	02 10%
☒ Cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ Mixed evergreen - cold-deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
<u>10</u> % evergreen <u>90</u> % deciduous	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	/	/		
T2 Canopy	07	80%	<i>Quercus rubra</i> D <i>Acer sac</i> D <i>Betula ppa</i> <i>Fagus gra</i> D	
T3 Sub-canopy	06	60%	<i>Ostrya vir</i> D <i>Tsuga can</i> D <i>Fagus gra</i>	
S1 Tall shrub	04	10%	<i>Fagus gra</i> D <i>Acer sac</i>	
S2 Short Shrub	/	/	/	
S3 Dwarf-shrub	/	/	/	
H Herbaceous	01	10%	<i>Solidago canad</i> D <i>Fagus gra</i> <i>Menyanthes</i> <i>Solid. bicolor</i> <i>Drac. int</i>	
N Non-vascular	/	/	/	
V Vine/liana	/	/	/	

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B18</u>	Database Point Code <u>MABl-AA12</u>
Primary Map Unit <u>PNS</u>	Assoc Code/Name <u>7167</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B18r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.6</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Gawler / Larguy</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>320</u> m Slope <u>Moderate</u> Aspect <u>NW</u>	
Topographic Position <u>Mid Slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>planted in rows</u> <u>some cut stumps</u> <u>edge of park</u> <u>lots of Norway spruce CWD</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>70</u> % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	/	/	/	
T2 Canopy	08	90	Picea cubica D Frax cune (one)	
T3 Sub-canopy	07	1090	Picea abies D	
S1 Tall shrub	/	/	/	
S2 Short Shrub	/	/	/	
S3 Dwarf-shrub	/	/	/	
H Herbaceous	01	1590	Dry int D Bedeck fern Hieracium Sp Taraxacum off Robinia pseudo	
N Non-vascular	/	/		
V Vine/liana	/	/	/	

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABI) - VT

Field Point Code <u>B19</u>	Database Point Code <u>MABI-AA19</u>
Primary Map Unit <u>PMP</u>	Assoc Code/Name <u>6313</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: Plantation	
GPS file name <u>B19 r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>8.4</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
please ~~do not~~ complete the following information when in the field Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Gardner / Lasey</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABI</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>330</u> m Slope <u>gentle</u>	Aspect <u>N</u>
Topographic Position <u>mid slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): Plantation Pine needle leaf litter	Unvegetated Surface: (please use the cover scale below) ☒ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>90</u> % evergreen <u>10</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	08	70	Pinus Strobus D Pinus sylvestris Prunus ser	_____
T3 Sub-canopy	07	40%	Acer sac D Fagus gra Frax ame	_____
S1 Tall shrub	04	30%	Acer sac D Fagus gra Acer pen	_____
S2 Short Shrub	02	21	Rubus idaeus	_____
S3 Dwarf-shrub	_____	_____	_____	_____
H Herbaceous	01	60%	Dry int 6D Osmunda cla Aris tri Onoclea sen s Trillium Sp	Athyrium-felix fern Poly aco Eury div Solan dul Eury ket
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Cover Scale:
Strata and Species

01 5%
02 10%
03 20%
04 30%
05 40%
06 50%
07 60%
08 70%
09 80%
10 90%
11 100%

Height Scale:
Strata

01 <0.5 m
02 0.5-1 m
03 1-2 m
04 2-5 m
05 5-10 m
06 10-15 m
07 15-20 m
08 20-35 m
09 35-50 m
10 >50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B20</u>	Database Point Code <u>MAB1-AA20</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6211</u>
Secondary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>hemlock in understory - not canopy component</u>	
GPS file name <u>B20r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>9.0</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/04</u> Surveyors <u>Crawley/Hargay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>358</u> m	Slope <u>moderate</u>	Aspect <u>NW</u>
Topographic Position <u>midslope</u>		
Landform <u>WN</u>		
Environmental Comments (including hydrology): <u>midslope community</u> <u>very sparse understory</u> <u>hemlock common in subcanopy, but</u> <u>less important / prominent in</u> <u>canopy.</u>		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
Trees and Shrubs ☐ Evergreen ☒ Cold-deciduous ☐ Mixed evergreen - cold-deciduous <u>10</u> % evergreen <u>90</u> % deciduous <u>Subcanopy</u> Herbs <u>60</u> - <u>40</u> <u>tsun hardwoods</u> ☒ Perennial	☒ Broad-leaved ☐ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☐ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	07	80	Betula papy Fagus grn D Acer sac D	—
T3 Sub-canopy	06	60	Ostrya vil Tsuga can D Fagus grn D Acer sac	—
S1 Tall shrub	04	5%	Fagus grn D Tsuga can	—
S2 Short Shrub	—	—	N/A	—
S3 Dwarf-shrub	—	—	N/A	—
H Herbaceous	01	5%	Lycopodium obscurum Fagus grn	—
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale:

Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:

Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B21</u>	Database Point Code <u>MAB1 - AA21</u>
Primary Map Unit <u>H1N1H</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>Key work site</u>	
GPS file name <u>B21r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>16.6</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>GAWLER/LARGAY</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: Woodstock North Quad Code 4307265	

ENVIRONMENTAL DESCRIPTION

Elevation <u>322</u> m Slope <u>mod-steep</u> Aspect <u>NE</u>	
Topographic Position <u>mid slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>Slope forest</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>40</u> % evergreen <u>60</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>07</u>	<u>80%</u>	Tsuga D Acer sac D Fagus gra D Quercus rub justo coupe	_____
T3 Sub-canopy	<u>06</u>	<u>40%</u>	Acer sac D Acer spic Tsuga can	_____
S1 Tall shrub	_____	<u>20%</u>	Fagus gra D Acer sac Acer spic	_____
S2 Short Shrub	_____	<u>5%</u>	Fagus gra D	_____
S3 Dwarf-shrub	_____	_____	none	_____
H Herbaceous	_____	<u>20%</u>	Dry INT D CAREX PLA Main can	_____
N Non-vascular	_____	<u><1</u>	lycopodium	_____
V Vine/liana	_____	_____	none	_____

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B22</u>	Database Point Code <u>MABl - A422</u>
Primary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: good	
GPS file name <u>B22r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>5.4</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>4/20/06</u> Surveyors <u>Grawler / Langley</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>357</u> m Slope <u>very gentle to flat</u> Aspect <u>East</u>	
Topographic Position <u>upper slope</u>	
Landform <u>gentle hill adjacent to pond</u>	
Environmental Comments (including hydrology): rolling topography in this area old cart path nearby decid. leaf litter - sparse herb layer	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☐ Evergreen ☐ Cold-deciduous ☒ Mixed evergreen - cold-deciduous ☐ % evergreen _____ % deciduous _____	☐ Broad-leaved ☐ Needle-leaved ☒ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>07</u>	<u>80%</u>	<u>Fagus gra D</u> <u>Tsuga can D</u>	_____
T3 Sub-canopy	<u>04</u>	<u>60%</u>	<u>Fagus gra D</u> <u>Tsuga can D</u>	_____
S1 Tall shrub	<u>04</u>	<u>40%</u>	<u>Fagus gra D</u> <u>Acer pen</u>	_____
S2 Short Shrub	<u>03</u>	<u>3%</u>	<u>Rosa rubra</u> <u>Tsuga can</u> <u>Fagus gra D</u> <u>Acer pen</u>	_____
S3 Dwarf-shrub	_____	_____	_____	_____
H Herbaceous	<u>01</u>	<u>10%</u>	<u>Tsuga can D</u> <u>Acer pen</u> <u>Fagus gra</u> <u>Rosa can</u> <u>Acer sac</u>	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B23</u>	Database Point Code <u>MAB-AA23</u>
Primary Map Unit <u>H11</u>	Assoc Code/Name <u>610.9</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>Key worked JLC</u>	
GPS file name <u>B23 r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.6</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Grawler / Lary</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>296</u> m Slope <u>mod-steep</u> Aspect <u>S-SE</u>	
Topographic Position <u>wildcove</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>Very rocky hillside - big boulders</u> <u>Many wind throws + Snags - lots of CWD</u> <u>moderately steep slope</u> <u>well drained</u>	Unvegetated Surface: (please use the cover scale below) ☒ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>		☒ Forest	01 5%
____ Evergreen	____ Broad-leaved	____ Woodland	02 10%
____ Cold-deciduous	____ Needle-leaved	____ Shrubland	03 20%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	____ Dwarf Shrubland	04 30%
<u>60</u> % evergreen <u>40</u> % deciduous	____ Graminoid	____ Herbaceous	05 40%
	____ Forb	____ Nonvascular	06 50%
<u>Herbs</u>	____ Pteridophyte	____ Sparsely Vegetated	07 60%
____ Annual			08 70%
☒ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	07	90	Tsuga can D Betula all D	—
T3 Sub-canopy	06	40	Betula all D Tsuga can	—
S1 Tall shrub	—	40	Fagus can D Betula all D Tsuga can Acer pen	—
S2 Short Shrub	04	0	—	—
S3 Dwarf-shrub	03	0	—	—
H Herbaceous	—	20%	Dry INT D Dry MAP D ERAX AME ARIS TRI Dems puno	Polyacro Epif. (v) Main roc Polypodium bipinn
N Non-vascular	N/A	N/A	—	—
V Vine/Liana	N/A	N/A	—	—

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B24</u>	Database Point Code <u>MAB-AA24</u>
Primary Map Unit <u>NHS</u>	Assoc Code/Name <u>6211</u>
Secondary Map Unit <u>NHR</u>	Assoc Code/Name <u>5008</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>no white ash, not abundant calciphiles, but may be here at wrong time of year</u>	
GPS file name <u>B24r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.5</u> m GPS unit: <u>Garmin GPSMAP 60CSx, WAAS enabled, internal processing</u>	
please do not complete the following information when in the field Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Gawler / LARGAY</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>237</u> m Slope <u>gentle - moderate</u> Aspect <u>North</u>
Topographic Position <u>mid slope</u>
Landform <u>glade - hill</u>
Environmental Comments (including hydrology): <u>mid slope -</u> <u>suppl damp areas present in higher portions</u> <u>of slope.</u>
Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
	☐ Pteridophyte	☐ Nonvascular	06 50%
<u>Herbs</u>		☐ Sparsely Vegetated	07 60%
☐ Annual			08 70%
☒ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "*")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>08</u>	<u>80%</u>	<u>ACESAC D</u> <u>BET ALL</u>	_____
T3 Sub-canopy	<u>07</u>	<u>20%</u>	<u>ACESAC D</u> <u>TSV CAN</u> <u>BET ALL</u>	_____
S1 Tall shrub	<u>05</u>	<u>5%</u>	<u>ACESAC D</u>	_____
S2 Short Shrub	_____	<u>0%</u>	_____	_____
S3 Dwarf-shrub	_____	<u>0%</u>	<u>none</u>	_____
H Herbaceous	<u>01</u>	<u>80%</u>	<u>Dry INT D</u> <u>Osm CLA D</u> <u>ARB TRY *</u> <u>ONOC SEN</u> <u>ACER SAC</u>	<u>2 mystery ferns</u> <u>Poly ACR</u> <u>ATHY FEL</u> <u>EUPA RUG</u> <u>CIRC LUT</u>
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B25</u>	Database Point Code <u>MABl-AA25</u>
Primary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit <u>NH</u>	Assoc Code/Name <u>6211</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: point to lower cover of hemlock (~25%), but overall - outside of point there is more hemlock. Hemlock dominant in other layers.	
GPS file name <u>B25r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>5.0</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
please do not complete the following information when in the field Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Fowler/Hargrave</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>298</u> m Slope <u>gentle-moderate</u> Aspect <u>NE</u>	
Topographic Position <u>mid slope</u>	
Landform <u>hills</u>	
Environmental Comments (including hydrology): gentle - moderate slope - younger stand similar stature - few stumps + snags (~10 cm)	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☒ Bare soil Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>30</u> % evergreen <u>70</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u>n/a</u>	<u>n/a</u>	<u>N/A</u>	
T2 Canopy	<u>07</u>	<u>80</u>	<u>Fagus gra D</u> <u>Betula D</u> <u>Tsuga can D</u> <u>Frax ame</u>	
T3 Sub-canopy	<u>06</u>	<u>40</u>	<u>Tsuga can</u> <u>Acer sac D</u> <u>Betula</u>	
S1 Tall shrub	<u>04</u>	<u>20</u>	<u>Tsuga can D</u> <u>Fagus gra D</u>	
S2 Short Shrub	<u>N/A</u>	<u>10</u>	<u>Tsuga can D</u>	
S3 Dwarf-shrub	<u>n/a</u>	<u>n/a</u>	<u>N/A</u>	
H Herbaceous	<u>20.5</u>	<u>70</u>	<u>Poly acca</u> <u>Athy fol fern</u> <u>Saxifraga divar</u> <u>Epi thallice</u> <u>Asplen tr</u> (just a little) <u>Carex debilis or arctata</u> (shorter group)	<u>Dry int D</u> <u>Dry marg D</u> <u>Carex plant</u> <u>Soft moss</u> <u>Solid flex</u> <u>Aster lnt</u> <u>Circ lnt</u> <u>Osmund clay</u> <u>Beech fern</u>
N Non-vascular	<u>n/a</u>	<u>n/a</u>		
V Vine/liana	<u>n/a</u>	<u>n/a</u>		

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B26</u>	Database Point Code <u>MAB - AA26</u>
Primary Map Unit <u>GF</u>	Assoc Code/Name <u>6107</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B26r</u>	Field UTM X _____	m E Field UTM Y _____	m N
GPS Error <u>16.1</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
<i>please do not complete the following information when in the field</i>			
Corrected UTM X _____	m E Corrected UTM Y _____	m N	UTM Zone <u>19</u>

Survey Date <u>9/20/06</u> Surveyors <u>Gawler/Kerney</u> Park Site Name: <u>MAB1</u> Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
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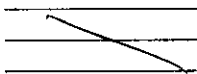
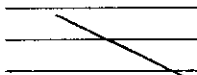
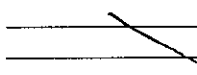
ENVIRONMENTAL DESCRIPTION

Elevation <u>417</u> m	Slope <u>moderate</u>	Aspect <u>South</u>
Topographic Position <u>upper slope</u>		
Landform <u>hill</u>		

Environmental Comments (including hydrology): <u>on ridge on hill</u> <u>associated / maintained</u> <u>view for overlook / vista</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☐ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ___ Evergreen ___ Cold-deciduous ___ Mixed evergreen - cold-deciduous ___ % evergreen <u>100</u> % deciduous	___ Broad-leaved ___ Needle-leaved ___ Mixed Broad/Needle leaved ___ Graminoid ☒ Forb ___ Pteridophyte	___ Forest ___ Woodland ___ Shrubland ___ Dwarf Shrubland ☒ Herbaceous ___ Nonvascular ___ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ___ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—		—
T2 Canopy	—	—		—
T3 Sub-canopy	—	—		—
S1 Tall shrub	03	5%	Berberis wlg	—
S2 Short Shrub	02	10%	Rubus all D Spirea ten	—
S3 Dwarf-shrub	—	—	N/A	—
H Herbaceous	01	85%	Monarda (lost up native) D Asclepias syr Solidago jun D Solidagin D Solid can D Hieracium sp., Dancus carota, L. Brugnaceae (noce)	Festuca sp. D Aster lat S. Eutham gran Potentilla simplex Rue prairie plant (need to)
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale:
Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:
Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code B27 Database Point Code MABl-AA27

Primary Map Unit HHS Assoc Code/Name 6502

Secondary Map Unit _____ Assoc Code/Name _____

Other Map Unit / Assoc within 50 m _____

Key or Classification Comments:

good

GPS file name B27r Field UTM X _____ m E Field UTM Y _____ m N

GPS Error 6.2 m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing

please do not complete the following information when in the field

Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone 19

Survey Date 9/20/06 Surveyors Gawler / Carjag Area surveyed: 25 m radius circle ☒ other (describe) _____

Park Site Name: MABl

Quad Name: Woodstock North Quad Code 4307265

ENVIRONMENTAL DESCRIPTION

Elevation 374 m Slope Flat Aspect Flat

Topographic Position basin swamp

Landform wetland / swamp

Environmental Comments (including hydrology):

open canopy
Hemlock-red maple swamp
few t.pups / blowdowns
Hemlocky with sphagnum
Saturated

Unvegetated Surface: (please use the cover scale below)

☐ Bedrock
☒ Litter, duff
☒ Wood (> 1 cm)
☐ Large rocks (cobbles, boulders > 10 cm)
☐ Small rocks (gravel, 0.2-10 cm)
☒ Sand (0.1-2 mm)
☐ Bare soil
☒ Other: Water

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>40</u> % evergreen <u>60</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>0.6</u>	<u>20%</u>	<u>Red maple D</u> <u>Tsuga canadensis D</u>	_____
T3 Sub-canopy	<u>0.5</u>	<u>60%</u>	<u>Tsuga can D</u> <u>Acer rubrum D</u> <u>Betula all</u>	_____
S1 Tall shrub	<u>0.4</u>	<u>20%</u>	<u>Tsuga can D</u> <u>Viburnum</u> <u>Acer pen D</u> <u>Betula all</u>	_____
S2 Short Shrub	<u>0.5-1</u>	<u>10%</u>	<u>Tsuga can D</u> <u>Acer rub D</u> <u>Acer pen</u>	_____
S3 Dwarf-shrub	_____	_____	<u>N/A</u>	_____
H Herbaceous	<u>0.5-1</u> <u>< 0.5</u>	<u>80%</u>	<u>Onoclea sens D</u> <u>Osmunda cin D</u> <u>Carex lasus D</u> <u>turtlehead</u> <u>Dryopteris</u>	<u>Glyceria str</u> <u>Rubus pub</u> <u>Osmunda reg</u> <u>Leptocarpus (check)</u>
N Non-vascular	_____	<u>20%</u>	<u>Sphagnum</u>	_____
V Vine/liana	_____	_____	<u>N/A</u>	_____

Comments

Lots Saxif pens, but not at point
Many shrubs - N. hardwood species in Swamp
Pretty open in middle in terms of canopy
cover

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B28</u>	Database Point Code <u>MAB-AA28</u>
Primary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109 with 6308</u>
Secondary Map Unit <u>Hem</u>	Assoc Code/Name <u>6109</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: 	
GPS file name <u>B28r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>5.1</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Kramer/Karpis</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>361</u> m Slope <u>moderate</u> Aspect <u>NW</u>	
Topographic Position <u>mid slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>Moderate slope</u> <u>fine loamy soil</u> <u>→ somewhat seepy soils - squishy - dark brown</u> <u>but no wetland indicator herbs</u>	Unvegetated Surface: (please use the cover scale below) ☒ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☒ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>55% evergreen 45% deciduous</u>	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	✓	
T2 Canopy	07	70	Betula can D Betula all D Betula pap Frax can D	
T3 Sub-canopy	06	40	Betula all D Frax can	
S1 Tall shrub	04	50	Betula pap D Acer sac D Ostrya vir	
S2 Short Shrub	—	—	N/A	
S3 Dwarf-shrub	—	—	N/A	
H Herbaceous	00.5	80%	Breath fern D Dry int D Carex Plant D Early die Trillium cern (not 100%) Sutton species	Prenanthes tri Polyg amo Adiant ped
N Non-vascular	—	—	N/A mossy cwo	
V Vine/liana	—	—	N/A	

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B 29</u>	Database Point Code <u>MABl AA29</u>
Primary Map Unit <u>Hem</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: 	
GPS file name <u>B 29</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>5.9</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/2/04</u> Surveyors <u>Gawler / Langley</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>314</u> m Slope <u>moderate</u> Aspect <u>S</u>
Topographic Position <u>mid slope</u>
Landform <u>hill</u>
Environmental Comments (including hydrology): <u>Hard rock dominated patch</u> <u>very sparse understory</u> Unvegetated Surface: (please use the cover scale below) <u>0</u> Bedrock <u>20</u> Litter, duff <u>20</u> Wood (> 1 cm) <u>51</u> Large rocks (cobbles, boulders > 10 cm) <u>51</u> Small rocks (gravel, 0.2-10 cm) <u>0</u> Sand (0.1-2 mm) <u>0</u> Bare soil <u>0</u> Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
Trees and Shrubs			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>60</u> % evergreen <u>30</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
	☐ Pteridophyte	☐ Nonvascular	06 50%
Herbs		☐ Sparsely Vegetated	07 60%
☐ Annual			08 70%
☒ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	07	80	Tsuga can D Pinus stro Acer sac Fagus sra Pinus res	—
T3 Sub-canopy	06	—	Tsuga can D Acer sac Fagus sra	—
S1 Tall shrub	04	59%	Pinus abies D Fagus sra	—
S2 Short Shrub	—	—	N/A	—
S3 Dwarf-shrub	—	—	N/A	—
H Herbaceous	01	59%	Dry int D Tsuga can	—
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B 30</u>	Database Point Code <u>MAB1-AA30</u>
Primary Map Unit <u>PRP</u>	Assoc Code/Name <u>7127</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B 30 r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.0</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Gawler / Lavgay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>334</u> m Slope <u>gully</u> Aspect <u>NW</u>	
Topographic Position <u>midslope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>Red pine plantation</u> <u>thick needle leaf litter</u> <u>were established HNH under open pine canopy</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
Trees and Shrubs ☒ Evergreen ☐ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☐ % evergreen _____ % deciduous _____	☐ Broad-leaved ☒ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
Herbs ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	08	40%	<i>Pinus resinosa</i> D	—
T3 Sub-canopy	06	80%	<i>Acer rubrum</i> D <i>Lysichiton</i> D <i>Fagus gra</i>	—
S1 Tall shrub	04	30%	<i>Fagus gra</i> D <i>Picea abies</i> <i>Acer pen</i>	—
S2 Short Shrub	—	—	N/A	—
S3 Dwarf-shrub	—	—	N/A	—
H Herbaceous	01	20%	<i>Osmunda clay</i> Polyacro <i>Thely nod</i> <i>Dry int</i> D <i>Onoc sens</i> <i>Osmunda neg</i>	—
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale:

Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:

Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B31</u>	Database Point Code <u>MABL AA31</u>
Primary Map Unit <u>NHR</u>	Assoc Code/Name <u>5008</u>
Secondary Map Unit <u>NH1</u>	Assoc Code/Name <u>6211</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <i>Tilia, Adiantum + Asarum present - leads to 5008, but since there aren't many other calophytes, may be similar in key</i>	
GPS file name <u>B31r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.6</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X <u>2</u> m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Gawler / Lorfay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>360</u> m Slope <u>moderate</u> Aspect <u>N</u>	
Topographic Position <u>mid slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <i>Loamy soil - rich in color (dark brown) relatively shallow decid. leaf litter layer moderate slope scattered snags / CWD open subcanopy, lots of Adiantum</i>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☐ Evergreen ☒ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☐ % evergreen ☒ % deciduous	☒ Broad-leaved ☐ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent				
T2 Canopy	07	70	Acer sac D Frax ame Tilia ame	
T3 Sub-canopy	06	30	Acer sac D Frax ame	
S1 Tall shrub	04	5	Frax ame Eury gra D Ostrya vir	
S2 Short Shrub	/	/	N/A	
S3 Dwarf-shrub	/	/	N/A	
H Herbaceous	01	70	Adiant ped D Polypaero Eury div Asarum can (very little) Osmunda clay Selenium	Actea rubra Arisaema tri (very little) Athyrum Felix Penn D Trillium arifolium Eury cord Eury lat *Greenish plant with 33 basal lvs
N Non-vascular	/	/		
V Vine/liana	/	/		

Comments

Cover Scale:

Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:

Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B32</u>	Database Point Code <u>MABl-AA32</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6252 6211</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B32r</u>	Field UTM X _____	m E Field UTM Y _____	m N
GPS Error <u>7.5</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
please do not complete the following information when in the field			
Corrected UTM X _____	m E Corrected UTM Y _____	m N	UTM Zone <u>19</u>

Survey Date <u>9/21/06</u> Surveyors <u>Gawler / Larjay</u> Park Site Name: <u>MABl</u> Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
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ENVIRONMENTAL DESCRIPTION

Elevation <u>414</u> m	Slope <u>gentle-moderate</u>	Aspect <u>Nw</u>
Topographic Position <u>ridgeslope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology): <u>gentle-moderate hillside community with sparse herb layer, no shrubs, standard NH outside of point there is more hemlock in subcanopy -</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____	

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☐ Evergreen ☒ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☐ % evergreen ☐ % deciduous	☒ Broad-leaved ☐ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u> </u>	<u> </u>	<u> </u>	<u> </u>
T2 Canopy	<u>02</u>	<u>80%</u>	<u>Betula pap</u> <u>Acer sac D</u> <u>Quercus</u>	<u> </u>
T3 Sub-canopy	<u>06</u>	<u>60%</u>	<u>Ostrya vir D</u> <u>Acer sac</u> <u>Betula</u>	<u> </u>
S1 Tall shrub	<u>04</u>	<u>5%</u>	<u>Fagus gra D</u>	<u> </u>
S2 Short Shrub	<u> </u>	<u> </u>	<u> </u>	<u> </u>
S3 Dwarf-shrub	<u> </u>	<u> </u>	<u> </u>	<u> </u>
H Herbaceous	<u>01</u>	<u>60%</u>	<u>Euryb di</u> <u>Asplenium Felix fem</u> <u>Solid bic</u> <u>Solid caes</u> <u>Dry ind</u>	<u>0 smm clay</u> <u>Dry mar</u> <u>Eupatorium</u> <u>D</u>
N Non-vascular	<u> </u>	<u> </u>	<u> </u>	<u> </u>
V Vine/liana	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code	<u>B 33</u>	Database Point Code	<u>MABl- AA33</u>
Primary Map Unit	<u>NH</u>	Assoc Code/Name	<u>6252 6211</u>
Secondary Map Unit	Assoc Code/Name		
Other Map Unit / Assoc within 50 m			
Key or Classification Comments:			
GPS file name <u>B33r</u> Field UTM X _____ m E Field UTM Y _____ m N			
GPS Error <u>18.8</u> m		GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>			
Corrected UTM X _____		m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Grawler/Karyan</u>		Area surveyed: 25 m radius circle ☒ other (describe) _____	
Park Site Name: <u>MABl</u>			
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>			

ENVIRONMENTAL DESCRIPTION

Elevation	<u>448</u> m	Slope	<u>moderate</u>	Aspect	<u>NE</u>
Topographic Position <u>upper slope/shoulder slope</u>					
Landform <u>hill</u>					
Environmental Comments (including hydrology): <u>standard NH</u> <u>upper slope / crest of hill, sparse</u> <u>understory - lots of CWO +</u> <u>white thrushes, mounded soil</u>			Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☒ Bare soil ☐ Other: _____		

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> _____ Evergreen ☒ Cold-deciduous _____ Mixed evergreen - cold-deciduous _____ % evergreen _____ % deciduous	☒ Broad-leaved _____ Needle-leaved _____ Mixed Broad/Needle leaved _____ Graminoid _____ Forb _____ Pteridophyte	☒ Forest _____ Woodland _____ Shrubland _____ Dwarf Shrubland _____ Herbaceous _____ Nonvascular _____ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> _____ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	/	/	/	
T2 Canopy	07	80%	Acer sac D Ficus amara (only 1)	
T3 Sub-canopy	06	20%	Acer sac D Fagus gra	
S1 Tall shrub	04	5%	Acer sac D Fagus gra	
S2 Short Shrub	/	/	/	
S3 Dwarf-shrub	/	/	/	
H Herbaceous	01	10%	Eury dia D Dry int D Dry mar y Taraxacum off	
N Non-vascular	/	/	/	
V Vine/liana	/	/	/	

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABI) - VT

Field Point Code <u>B34</u>	Database Point Code <u>MABI-AA34</u>
Primary Map Unit <u>PWP</u>	Assoc Code/Name <u>7178</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B34r</u>	Field UTM X _____	m E Field UTM Y _____	m N
GPS Error <u>8.1</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
<i>please do not complete the following information when in the field</i>			
Corrected UTM X _____	m E Corrected UTM Y _____	m N	UTM Zone <u>19</u>

Survey Date <u>9/21/06</u>	Surveyors <u>Gawler/Larjay</u>
Park Site Name: <u>MABI</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>396</u> m	Slope <u>moderate</u>	Aspect <u>W</u>
Topographic Position <u>Upper slope</u>		
Landform <u>hill</u>		

Environmental Comments (including hydrology): <u>white pine plantation</u> <u>pines in rows - some cut stumps</u> <u>successional to NH</u> <u>many dead white pine (WD) understory</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☒ Sand (0.1-2 mm) ☒ Bare soil Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>00</u> % evergreen <u>00</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>08</u>	<u>60</u>	<u>Pinus strobus D</u>	_____
T3 Sub-canopy	<u>06</u>	<u>80</u>	<u>Acer rub</u> <u>Fagus gra D</u>	_____
S1 Tall shrub	<u>04</u>	<u>20%</u>	<u>Fagus gra D</u> <u>Prunus rub</u> <u>Acer sac</u>	_____
S2 Short Shrub	<u>1</u>	<u>1</u>	<u>1</u>	_____
S3 Dwarf-shrub	<u>1</u>	<u>1</u>	<u>1</u>	_____
H Herbaceous	<u>01</u>	<u>10%</u>	<u>Dry Int D</u> <u>Fagus gra</u> <u>Acer rub</u> <u>Dry acro</u> <u>Dry m...</u>	<u>Acer rub</u>
N Non-vascular	<u>1</u>	<u>1</u>	<u>1</u>	_____
V Vine/liana	<u>1</u>	<u>1</u>	<u>1</u>	_____

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B35</u>	Database Point Code <u>MABl-4A35</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6252</u>
Secondary Map Unit <u>NAS</u>	Assoc Code/Name <u>6211</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>key not helpful</u> <u>very few rich woods, only sugar maple in canopy. may be dry ex. sample of ^{NHS} ~~forest~~, but more likely N11. May need to reattribute to 6252 from 5008</u>	
GPS file name <u>B35r</u>	Field UTM X _____ m E Field UTM Y _____ m N
GPS Error <u>6.2</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing
please do not complete the following information when in the field Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u>	Surveyors <u>Gorin / Larjay</u>
Area surveyed: 25 m radius circle ☒ other (describe) _____	
Park Site Name: _____	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>418</u> m	Slope <u>gentle + 0</u>	Aspect <u>NE</u>
Topographic Position <u>upper slope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology): <u>Big open heavy ridge outcrops outside plot</u> <u>lots of downed wood / logging debris near point - snags + continuous common</u>	Unvegetated Surface: (please use the cover scale below) ☒ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____	

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☐ Evergreen ☒ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☐ % evergreen <u>100</u> % deciduous	☒ Broad-leaved ☐ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	N/A	—
T2 Canopy	08	70%	Acer sac D Frax ame	—
T3 Sub-canopy	06	20%	Acer sac D Ostrya vir	—
S1 Tall shrub	04	10%	Acer sac D Ostrya vir	—
S2 Short Shrub	02	5%	Ostrya vir D Berberis thun	—
S3 Dwarf-shrub	—	—	—	—
H Herbaceous	01	60%	Eury dia D Frax ame Dry mar D Dennis pnc Solidago caesia	*Asarum can Serpentarium D Raphanum ↳ (moist ground)
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B36</u>	Database Point Code <u>MAB-AA36</u>
Primary Map Unit <u>PMP</u>	Assoc Code/Name <u>6313</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B36r</u>	Field UTM X _____ m	Field UTM Y _____ m	Field UTM Zone _____
GPS Error <u>6.9</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
<i>please do not complete the following information when in the field</i>			
Corrected UTM X _____ m	Corrected UTM Y _____ m	UTM Zone <u>19</u>	

Survey Date <u>9/20/06</u> Surveyors <u>Gwiler/Larsen</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>382</u> m	Slope <u>mod-steep</u>	Aspect <u>E</u>
Topographic Position <u>lower slope</u>		
Landform <u>hill</u>		

Environmental Comments (including hydrology): <u>Mixed p.h. Plantation</u> <u>lots of pre-litter</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☒ Evergreen ☐ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☒ % evergreen _____ % deciduous	☐ Broad-leaved ☒ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	N/A	—
T2 Canopy	08	890%	Pinus sylvestris D Pinus strobus D Picea abies	—
T3 Sub-canopy	07	30%	Acer rub Acer sac	—
S1 Tall shrub	04	20%	Acer sac D Frax	—
S2 Short Shrub	—	—	N/A	—
S3 Dwarf-shrub	—	—	N/A	—
H Herbaceous	01	30%	Dry int D Frax Astragalus Pinus strobus ~~Polygonum~~	Martham rac
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B37</u>	Database Point Code <u>MABl-AA37</u>
Primary Map Unit <u>PMP</u>	Assoc Code/Name <u>6313</u>
Secondary Map Unit _____	Assoc Code/Name <u>7167</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B37r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.7</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X <u>222222</u> m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Gawler / Carney</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>378</u> m Slope <u>gentle - mod</u> Aspect <u>NE</u>	
Topographic Position <u>mid slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>Norway spruce / white pine</u> <u>plantation</u> <u>adjacent to all Norway Spruce</u> <u>plantation just down slope</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>100%</u> evergreen <u>0%</u> deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u> </u>	<u> </u>	<u> </u>	<u> </u>
T2 Canopy	<u>07</u>	<u>90</u>	<u>Pinus strobus D</u> <u>Picea abies D</u> <u>prunus</u>	<u> </u>
T3 Sub-canopy	<u>06</u>	<u>20</u>	<u>Acer sac D</u> <u>Acer pen</u>	<u> </u>
S1 Tall shrub	<u>04</u>	<u>5%</u>	<u>Acer sac D</u>	<u> </u>
S2 Short Shrub	<u> </u>	<u> </u>	<u> </u>	<u> </u>
S3 Dwarf-shrub	<u> </u>	<u> </u>	<u> </u>	<u> </u>
H Herbaceous	<u><0.5</u>	<u>5%</u>	<u>Poly pub</u> <u>Frax a me</u> <u>Dry int D</u> <u>Berb vulg</u>	<u> </u>
N Non-vascular	<u> </u>	<u> </u>	<u>N/A</u>	<u> </u>
V Vine/liana	<u> </u>	<u> </u>	<u>N/A</u>	<u> </u>

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B38</u>	Database Point Code <u>MABl-AA38</u>
Primary Map Unit <u>OF</u>	Assoc Code/Name <u>6107</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: may have to use plotted point	
GPS file name <u>B38r</u> Field UTM X _____ m E Field UTM Y _____ m N GPS Error <u>17.0</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Gawler/Kargay</u> Park Site Name: <u>MABl</u> Quad Name: Woodstock North Quad Code <u>4307265</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____

ENVIRONMENTAL DESCRIPTION

Elevation <u>361</u> m	Slope <u>gentle</u>	Aspect <u>South</u>
Topographic Position <u>top of hill</u>		
Landform <u>top of hill</u>		
Environmental Comments (including hydrology): <u>old field</u> <u>vista maintained for view/</u> <u>overlook</u>		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☐ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☐ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen <u>100</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☒ Forb	☒ Herbaceous	05 40%
	☐ Pteridophyte	☐ Nonvascular	06 50%
<u>Herbs</u>		☐ Sparsely Vegetated	07 60%
☐ Annual			08 70%
☒ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	_____	_____	_____	_____
T3 Sub-canopy	_____	_____	_____	_____
S1 Tall shrub	04	5%	Pinus strobus D Acer sp.	_____
S2 Short Shrub	40.5	40%	Spirea tomentosa Rubus flagellaris D Eleagnus umbellata	_____
S3 Dwarf-shrub	_____	_____	Rubus (Plas. Cipriani to sep. out) D 30% and short shrub 10% but lumped altogether	_____
H Herbaceous	01	60%	Asclepias syriac Monarda sp. D Petiole sp. D Euboea hirt Spiranthes Solidago rugosa D Pinus strobus Solidago nemoralis Euthamia gramin Equisetum	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B39</u>	Database Point Code <u>MAB- AA39</u>
Primary Map Unit <u>PRP</u>	Assoc Code/Name <u>7177</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B39r</u>	Field UTM X _____ m E	Field UTM Y _____ m N
GPS Error <u>6.3</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>		
Survey Date <u>9/22/06</u>	Surveyors <u>Gowles / Langley</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB</u>		
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>		

ENVIRONMENTAL DESCRIPTION

Elevation <u>405</u> m	Slope <u>gentle</u>	Aspect <u>N</u>
Topographic Position <u>upper slope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology): <u>moist topo - adjacent to old field. Thick leaf litter - layer - all pine needles - some old cut CWD</u>		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☒ Evergreen ☐ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☒ % evergreen _____ % deciduous	☐ Broad-leaved ☒ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	07	90%	Pinus resinosa D	_____
T3 Sub-canopy	05	5%	Picea canadensis D Acer saccharum	_____
S1 Tall shrub	_____	_____	N/A	_____
S2 Short Shrub	_____	_____	N/A	_____
S3 Dwarf-shrub	_____	_____	N/A	_____
H Herbaceous	<0.5m	20%	Penns. pum. D Frax. americana Dry. wit. Dry. m. Gal. rug. Common speedwell Tarax. officinale Acer saccharum	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B41</u>	Database Point Code <u>MABl-AA41</u>
Primary Map Unit <u>PMP</u>	Assoc Code/Name <u>6313</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B41r</u>	Field UTM X _____ m E	Field UTM Y _____ m N	
GPS Error <u>5.7</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
<i>please do not complete the following information when in the field</i>			
Corrected UTM X _____ m E	Corrected UTM Y _____ m N	UTM Zone <u>19</u>	

Survey Date <u>9/21/06</u>	Surveyors <u>Gawler/Larjay</u>
Park Site Name: <u>MABl</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>379</u> m	Slope <u>mod to steep</u>	Aspect <u>W</u>
Topographic Position <u>mid slope</u>		
Landform <u>hill</u>		

Environmental Comments (including hydrology): <u>mod-steep slope</u> <u>many downed trees</u> <u>open canopy</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>X</u> Evergreen _____ Cold-deciduous _____ Mixed evergreen - cold-deciduous _____ % evergreen _____ % deciduous	_____ Broad-leaved <u>X</u> Needle-leaved _____ Mixed Broad/Needle leaved _____ Graminoid _____ Forb _____ Pteridophyte	<u>X</u> Forest _____ Woodland _____ Shrubland _____ Dwarf Shrubland _____ Herbaceous _____ Nonvascular _____ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
Herbs _____ Annual <u>X</u> Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u> / </u>	<u> / </u>	<u> / </u>	
T2 Canopy	<u>08</u>	<u>40</u>	<u>Pinus sylvestris D</u> <u>Pinus strobus</u>	
T3 Sub-canopy	<u>07</u>	<u>60</u>	<u>Acer sac D</u> <u>Fagus gra</u>	
S1 Tall shrub	<u>04</u>	<u>80</u>	<u>Rosa rubens D</u> <u>Fagus gra D</u>	
S2 Short Shrub	<u> / </u>	<u> / </u>	<u> / </u>	
S3 Dwarf-shrub	<u> / </u>	<u> / </u>	<u> / </u>	
H Herbaceous	<u>01</u>	<u><5%</u>	<u>Rosa can</u> <u>Lyca tri</u> <u>Amin can</u> <u>Fagus gra D</u>	
N Non-vascular	<u> / </u>	<u> / </u>	<u> / </u>	
V Vine/liana	<u> / </u>	<u> / </u>	<u> / </u>	

Comments

Cover Scale:
Strata and Species

01 5%
02 10%
03 20%
04 30%
05 40%
06 50%
07 60%
08 70%
09 80%
10 90%
11 100%

Height Scale:
Strata

01 <0.5 m
02 0.5-1 m
03 1-2 m
04 2-5 m
05 5-10 m
06 10-15 m
07 15-20 m
08 20-35 m
09 35-50 m
10 >50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B42</u>	Database Point Code <u>MAB- AA42</u>
Primary Map Unit <u>PM</u>	Assoc Code/Name <u>6313</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	

GPS file name <u>B42 r</u>	Field UTM X _____ m E	Field UTM Y _____ m N	
GPS Error <u>9.0</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing		
<i>please do not complete the following information when in the field</i>			
Corrected UTM X _____ m E	Corrected UTM Y _____ m N	UTM Zone <u>19</u>	

Survey Date <u>9/21/06</u> Surveyors <u>Crawley / Laxson</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>345</u> m	Slope <u>Flat</u>	Aspect <u>Flat</u>
Topographic Position <u>Flat upland</u>		
Landform <u>top of hill</u>		

Environmental Comments (including hydrology): <u>relatively flat - adjacent to opening w/ large bare / hawk lots of Scotch pine EWD</u> <u>Some old stumps pine / haw</u>	Unvegetated Surface: (please use the cover scale below) ☒ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☒ Sand (0.1-2 mm) ☒ Bare soil ☒ Other: _____
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VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☒ Evergreen ☐ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☐ % evergreen _____ % deciduous _____	☐ Broad-leaved ☒ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	/	
T2 Canopy	08	40%	Pinus sylvestris D	
T3 Sub-canopy	06	85%	Fagus sylvatica D Betula alba Acer platanoides Acer saccharum	
S1 Tall shrub	04	10%	Fagus sylvatica D	
S2 Short Shrub	/	/	/	
S3 Dwarf-shrub	/	/	/	
H Herbaceous	01	10%	Dryas octopetala D Lycopodium obscurum Pennisetum setosum Mosses	
N Non-vascular	/	/	/	
V Vine/liana	/	/	/	

Comments	Cover Scale:		Height Scale:	
	Strata and Species		Strata	
	01	5%	01	<0.5 m
	02	10%	02	0.5-1 m
	03	20%	03	1-2 m
	04	30%	04	2-5 m
	05	40%	05	5-10 m
	06	50%	06	10-15 m
	07	60%	07	15-20 m
	08	70%	08	20-35 m
	09	80%	09	35-50 m
	10	90%	10	>50 m
	11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code	<u>B43</u>	Database Point Code	<u>MAB1-AA43</u>
Primary Map Unit	<u>HNH</u>	Assoc Code/Name	<u>6109</u>
Secondary Map Unit		Assoc Code/Name	
Other Map Unit / Assoc within 50 m _____			
Key or Classification Comments:			
GPS file name <u>B43r</u> Field UTM X _____ m E Field UTM Y _____ m N			
GPS Error <u>4.8</u> m		GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>			
Corrected UTM X <u>22</u>		Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Gawler / Langay</u>		Area surveyed: 25 m radius circle ☒ other (describe) _____	
Park Site Name: <u>MAB1</u>			
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>			

ENVIRONMENTAL DESCRIPTION

Elevation	<u>348</u> m	Slope	<u>gentle</u>	Aspect	<u>SE</u>
Topographic Position <u>mid slope</u>					
Landform <u>hill</u>					
Environmental Comments (including hydrology): <u>gentle slope on hill</u> <u>thick leaf litter - deciduous</u>			Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☒ Bare soil Other: _____		

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>		☒ Forest	01 5%
____ Evergreen	____ Broad-leaved	____ Woodland	02 10%
____ Cold-deciduous	____ Needle-leaved	____ Shrubland	03 20%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	____ Dwarf Shrubland	04 30%
<u>40</u> % evergreen: <u>60</u> % deciduous	____ Graminoid	____ Herbaceous	05 40%
	____ Forb	____ Nonvascular	06 50%
<u>Herbs</u>	____ Pteridophyte	____ Sparsely Vegetated	07 60%
____ Annual			08 70%
☒ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	07	80%	Tsuga can Fagus gra Acer sac D	—
T3 Sub-canopy	06	60%	Tsuga can D Fagus gra D Betula alle	—
S1 Tall shrub	04	10%	Fagus gra D	—
S2 Short Shrub	—	—	N/A	—
S3 Dwarf-shrub	—	—	N/A	—
H Herbaceous	<0.5m	40%	Lycopodium annot (lots) Equisetum div Fagus gra Beech fern Maier can Osmunda clay Thely nax D Carex planty Phila Polyacra D Elipactus wellborne	—
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B 44</u>	Database Point Code <u>MAB1-AA44</u>
Primary Map Unit <u>NHR</u>	Assoc Code/Name <u>5008</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <i>key works well -</i> <i>Fern glade variant in key for NH</i>	
GPS file name <u>B 44r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.4</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Grawler / Lajon</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>408</u> m Slope <u>gentle</u> Aspect <u>NE</u>	
Topographic Position <u>Lower slope</u>	
Landform <u>slope / cove</u>	
Environmental Comments (including hydrology): <i>Fern glade - lower slope</i> <i>Open - subcanopy + shrub layers</i> <i>very few herbs other than ferns</i> <i>more down slope w/ bigger patches of open soil</i>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen <u>00</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>08</u>	<u>70%</u>	<u>Acer sac D</u> <u>Betula</u>	_____
T3 Sub-canopy	<u>07</u>	<u>20%</u>	<u>Acer sac D</u>	_____
S1 Tall shrub	<u>02</u>	<u>5%</u>	<u>Sambucus rac D</u>	_____
S2 Short Shrub	_____	_____	<u>N/A</u>	_____
S3 Dwarf-shrub	_____	_____	<u>N/A</u>	_____
H Herbaceous	<u>0.5-1m</u>	<u>90%</u>	<u>*Giant's fern D</u> <u>*Ostrich fern D</u> <u>Dry maple</u> <u>Dennis pine</u> <u>Dry Int</u>	<u>*Asarum can</u> <u>*Sambucus can</u> <u>*Hydrophyllum (need to check)</u> <u>Galium</u> <u>Osmorhiza (need to confirm sp.)</u>
N Non-vascular	_____	_____	<u>N/A</u>	_____
V Vine/liana	_____	_____	<u>N/A</u>	_____

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B 45</u>	Database Point Code <u>MAB - AA45</u>
Primary Map Unit <u>NHR</u>	Assoc Code/Name <u>5008</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>Tilia, Adiantum, Alnus, Asarum, Piptatherum</u>	
GPS file name <u>B 45 r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.1</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
please do not complete the following information when in the field Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Gaulier / Langan</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>384</u> m	Slope <u>gentle</u> <u>Moderate</u>	Aspect <u>SE</u>
Topographic Position <u>upper slope</u>		
Landform <u>knoll</u> <u>upper slope</u>		
Environmental Comments (including hydrology): <u>relatively open</u> <u>knoll with lots of bare soil +</u> <u>rich herbs - ferns - tree seedlings</u> <u>some cow - windthrows</u> <u>* evidence of grazing *</u> <u>very little leaf litter</u>		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☒ Bare soil Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen <u>100</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	07	75%	Acer sac D Frax ame Tilia ame	—
T3 Sub-canopy	06	40%	Acer sac D	—
S1 Tall shrub	04	5%	Acer sac Frax ame Fagus gra D	—
S2 Short Shrub	—	—	N/A	—
S3 Dwarf-shrub	—	—	N/A	—
H Herbaceous	01	20%	Pipta rac * Allium tri * Adiant ped D * Carex plat D Erythra div Asarum *	Caulophyllum * Athyrium felix fun Verbascum theophr Dry Marj D Soti Cap Sanguinaria
N Non-vascular	—	—	N/A	—
V Vine/liana	—	—	N/A	—

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B46</u>	Database Point Code <u>MABl-AA46</u>
Primary Map Unit <u>PLP</u>	Assoc Code/Name <u>7178</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: white pine plantation 1911 - useful to check park map to confirm Not completely obvious in the field that this was a plantation	
GPS file name <u>B46r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>4.6</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM <u>8</u> _____ m E Corrected UTM Y <u>8</u> _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Gawler (Largay)</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>330</u> m Slope <u>gentle-moderate</u> Aspect <u>SE</u>
Topographic Position <u>mid slope</u>
Landform <u>hill</u>
Environmental Comments (including hydrology): Willy terrace mid slope - gentle slope at base of hill and top of another hill cut / old cut 108m² one large wind throw near plot. Perennial stream just down slope + old logging road - now trail thick leaf litter
Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☒ % evergreen <u>10</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	08	60	<i>Rhus strobus</i> D	
T2 Canopy	07	10	<i>Acer sac</i> D <i>Pistia</i> T.	
T3 Sub-canopy	06	60%	<i>Acer sac</i> D <i>Fagus</i> <i>Frax</i> <i>Tsuga can</i>	
S1 Tall shrub	04	30%	<i>Fagus</i> D <i>Acer sac</i> <i>Acer pen</i> D <i>Frax</i>	
S2 Short Shrub	—	—	N/A	
S3 Dwarf-shrub	—	—	N/A	
H Herbaceous	0.5	20	<i>Polygon</i> D <i>Helian</i> <i>Drya int</i> D <i>Eut</i> <i>Arisaema tri</i> <i>Adiantum</i> <i>Solid. caerulea</i> <i>Drymery</i> <i>Hepapactis</i> <i>Actea sp.</i>	
N Non-vascular	—	—	N/A	
V Vine/liana	—	—	N/A	

Comments

NH F taking over old plantation

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B47</u>	Database Point Code <u>MABl-AA47</u>
Primary Map Unit <u>HHS</u>	Assoc Code/Name <u>6502</u>
Secondary Map Unit <u>HHS</u>	Assoc Code/Name <u>6380</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: 	
GPS file name <u>B47r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>5.5</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X <u>✓</u> _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Grawler / Largent</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>384</u> m Slope <u>Flat</u> Aspect <u>Flat</u>	
Topographic Position <u>basin swamp - toeslope</u>	
Landform <u>linear basin b/w 2 slopes</u>	
Environmental Comments (including hydrology): <u>saturated swamp - mossy</u> <u>scattered patches of open</u> <u>water</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☒ Sand (0.1-2 mm) ☒ Bare soil ☒ Other: <u>water</u>

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>60%</u> evergreen <u>40%</u> deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent				
T2 Canopy	15-20	20%	Acer rubrum D Tsuga can D	
T3 Sub-canopy	10-15	40%	Acer rubrum Betula all D	
S1 Tall shrub	2-5m	60	Tsuga can D Betula all D Frax nigra Ulmus ame Acer pen	
S2 Short Shrub	0.5-1	40%	Tsuga can D Spirea tan Amelanchier Acer pen	
S3 Dwarf-shrub			N/A	
H Herbaceous	0.5m	80%	Osmunda cin D Tsuga can Carex lacustris Glyceria striata (check) Spirea Bidentis sp. Onocleasens Cypripedium Rubus pub Oxalis mar	
N Non-vascular	4.05m	15%	Massy hummocks	
V Vine/liana			N/A	

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B48</u>	Database Point Code <u>MAB-AA48</u>
Primary Map Unit <u>HEM</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>logged to hemlock</u>	
GPS file name <u>B48r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.0</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Gawler/Largay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>225</u> m	Slope <u>moderate</u>	Aspect <u>NE</u>
Topographic Position <u>mid slope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology):		Unvegetated Surface: (please use the cover scale below) ☐ Bedrock <u>80</u> ☐ Litter, duff <u>10</u> ☐ Wood (> 1 cm) <u>10</u> ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>70</u> % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u>X</u>	<u>X</u>	<u>Tsuga Can D</u>	
T2 Canopy	<u>07</u>	<u>90</u>	<u>Acer sac.</u> <u>Betula ~~lenta~~ <u>leopgh</u></u>	
T3 Sub-canopy	<u>06</u>	<u>70</u>	<u>Tsuga Can D</u>	
S1 Tall shrub	<u>04</u>	<u>55</u>	<u>Tsuga Can D</u> <u>Ergatis gran</u>	
S2 Short Shrub	<u> </u>	<u> </u>	<u>None</u>	
S3 Dwarf-shrub	<u> </u>	<u> </u>	<u>None</u>	
H Herbaceous	<u>07</u>	<u><1</u>	<u>Poly. Aco</u> <u>Adiantum ped</u>	
N Non-vascular	<u> </u>	<u> </u>		
V Vine/liana	<u> </u>	<u> </u>		

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B49</u>	Database Point Code <u>MABl-AA49</u>
Primary Map Unit <u>Buildings + Grounds</u> Assoc Code/Name <u>N/A</u>	
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>key works - building adjacent to open area - loading area for lumber</u>	
GPS file name <u>B49a</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>20</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Gawler/Larjay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>252</u> m Slope <u>Flat</u> Aspect <u>none</u>	
Topographic Position <u>Flat</u>	
Landform <u>"Field" - Flat</u>	
Environmental Comments (including hydrology): <u>compacted soil</u> <u>tire tracks - bare soil</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☒ Bare soil Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
Evergreen <u>N/A</u>	Broad-leaved	Forest	01 5%
Cold-deciduous	Needle-leaved	Woodland	02 10%
Mixed evergreen - cold-deciduous	Mixed Broad/Needle leaved	Shrubland	03 20%
% evergreen: _____ % deciduous	☒ Graminoid	Dwarf Shrubland	04 30%
	Forb	☒ Herbaceous	05 40%
	Pteridophyte	Nonvascular	06 50%
<u>Herbs</u>		Sparsely Vegetated	07 60%
Annual			08 70%
☒ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	_____	_____	_____	_____
T3 Sub-canopy	_____	_____	_____	_____
S1 Tall shrub	_____	_____	_____	_____
S2 Short Shrub	_____	_____	_____	_____
S3 Dwarf-shrub	_____	_____	N/A	_____
H Herbaceous	_____	_____	_____	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Cover Scale:
Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:
Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B50</u>	Database Point Code <u>MABl-AA50</u>
Primary Map Unit <u>PNS</u>	Assoc Code/Name <u>7167</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>Strong component of pines stands could => pmp</u>	
GPS file name <u>B50a</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>4</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Gawler/Larsen</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>Marsh Billings</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>258</u> m Slope _____ Aspect <u>North</u>	
Topographic Position <u>Upper slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>relatively steep slope</u> <u>well drained</u> <u>thick leaf litter layer with pine needles</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>08</u>	<u>80%</u>	<u>Picea abies</u> <u>Pinus strobus</u>	_____
T3 Sub-canopy	<u>07</u>	<u>30%</u>	<u>Acer saccharum</u>	_____
S1 Tall shrub	<u>04</u>	<u>30%</u>	<u>Acer penn</u> <u>Fagus grandifolia</u>	_____
S2 Short Shrub	<u>02</u>	<u>10%</u>	<u>Acer spicatum</u>	_____
S3 Dwarf-shrub	_____	<u>0</u>	_____	_____
H Herbaceous	<u>01</u>	<u>5%</u>	<u>Fraxinus sp.</u> <u>Maianthemum canadense</u> D <u>Carex laxiflora group (cf.)</u> D <u>Dryopteris marginalis</u> D <u>Polygonatum biflorum</u> , <u>Silene acaulis</u> , <u>Acer spicatum</u>	_____
N Non-vascular	_____	<u>0</u>	_____	_____
V Vine/liana	_____	<u>0</u>	_____	_____

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

Collected sample of *Dicra* (cf.) in post

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>BS1</u>	Database Point Code <u>MABl-AA51</u>
Primary Map Unit <u>HTS</u>	Assoc Code/Name <u>6502</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: 	
GPS file name <u>BS1r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>7.7</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20</u> Surveyors <u>Grawler/Karjan</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>367</u> m Slope <u>Flat</u> Aspect <u>Flat</u>	
Topographic Position <u>low slope / basin</u>	
Landform <u>wet swamp -</u>	
Environmental Comments (including hydrology): <u>open canopy</u> <u>wet/saturated soil</u> <u>somewhat hummocky</u> <u>lots of cut/damaged trees</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> _____ Evergreen _____ Cold-deciduous ☒ Mixed evergreen - cold-deciduous <u>50</u> % evergreen <u>50</u> % deciduous <u>Herbs</u> _____ Annual ☒ Perennial	_____ Broad-leaved _____ Needle-leaved ☒ Mixed Broad/Needle leaved _____ Graminoid _____ Forb _____ Pteridophyte	☒ Forest _____ Woodland _____ Shrubland _____ Dwarf Shrubland _____ Herbaceous _____ Nonvascular _____ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% ☒ 08 70% 09 80% 10 90% 11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
^{Canopy} T1 Emergent	07	20%	Tsuga can D Acer rub D Frax. americana	
T2 Canopy	↓	↓	↓	
T3 Sub-canopy	06	40%	Acer sac Acer rubrum Tsuga can D	
S1 Tall shrub	03	20%	Tsuga can D Prunus strabus Viburnum	
S2 Short Shrub	02	10%	Alnus sp. Frax. americana Tsuga can D	
S3 Dwarf-shrub	—	—	N/A	
H Herbaceous	01	90%	Impatiens cap D Onoclea sensibilis D Harelda - Equisetum (red to dark species) Osmunda cin. D Carex lasiocarpa Athyrium filix fem moss - logs / wood / hummocks	Aster laterifolius Epilobium glandulosum Solidago rigida Carex gynandria Gymn. str
N Non-vascular	01	5%		
V Vine/liana	—	—	N/A	

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B52</u>	Database Point Code <u>MAB1-AA52</u>
Primary Map Unit <u>HMS</u>	Assoc Code/Name <u>6502</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>Small linear swamp in upland hem-hardw fst.</u>	
GPS file name <u>B52r</u> Field UTM X _____ m E Field UTM Y _____ m N GPS Error <u>7.2</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing <i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Ganur + Langay</u> Park Site Name: _____ Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	Area surveyed: 25 m radius circle _____ other (describe) ☒ <u>oval to fit w/in polygon</u>

ENVIRONMENTAL DESCRIPTION

Elevation <u>342</u> m Slope <u>0 (flat)</u> Aspect <u>N/A</u>
Topographic Position <u>basin</u>
Landform _____
Environmental Comments (including hydrology): <u>Saturated soils some wetlands and large-diameter CWD</u>
Unvegetated Surface: (please use the cover scale below) - Bedrock <u>60</u> Litter, duff <u>40</u> Wood (> 1 cm) - Large rocks (cobbles, boulders > 10 cm) - Small rocks (gravel, 0.2-10 cm) - Sand (0.1-2 mm) - Bare soil - Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
____ Evergreen	____ Broad-leaved	☒ Forest	01 5%
____ Cold-deciduous	____ Needle-leaved	____ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	____ Shrubland	03 20%
<u>40</u> % evergreen <u>60</u> % deciduous	____ Graminoid	____ Dwarf Shrubland	04 30%
	____ Forb	____ Herbaceous	05 40%
<u>Herbs</u>	____ Pteridophyte	____ Nonvascular	06 50%
____ Annual		____ Sparsely Vegetated	07 60%
____ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	<u>07</u>	<u>60%</u>	Tsuga can D Bet all D	—
T3 Sub-canopy	<u>06</u>	<u>30%</u>	Tsuga can D Acer pen Frax ame	Ach saccharum D Bet all D
S1 Tall shrub	<u>04</u>	<u>10%</u>	Tsuga can Acer pen D	—
S2 Short Shrub	—	—	—	—
S3 Dwarf-shrub	—	—	—	—
H Herbaceous	<u>01</u>	<u>90%</u>	Onoclea sens D Osmunda cinn D Dryop int Aster lat Aster pun	Impatiens cap Carex lasu Epilob cil Salix dulc Solidago rigo
N Non-vascular	—	—	—	—
V Vine/liana	—	—	—	—

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B53</u>	Database Point Code <u>MABl - AA53</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6252 6211</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>good</u>	
GPS file name <u>B531</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>13.5</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
please do not complete the following information when in the field Corrected UTM X <u>XXXXXX</u> m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Chandler/Langley</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>345</u> m Slope <u>gentle</u>	Aspect <u>South</u>
Topographic Position <u>lower slope</u>	
Landform <u>very gentle hill</u>	
Environmental Comments (including hydrology): <u>lower slope, very gentle</u> <u>deciduous forest</u> <u>scattered shrubs / grasses</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☒ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☐ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☒ 0 % evergreen ☒ 90 % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u> </u>	<u> </u>	<u> </u>	
T2 Canopy	<u>07</u>	<u>80</u>	Fagus gra D Tsuga can Betula all	
T3 Sub-canopy	<u>06</u>	<u>40%</u>	Betula all Betula pop Fagus gra D Tsuga can	
S1 Tall shrub	<u>04</u>	<u>20%</u>	Fagus gra D	
S2 Short Shrub	<u>03</u>	<u>10%</u>	Fagus gra D	
S3 Dwarf-shrub	<u> </u>	<u> </u>	N/A	
H Herbaceous	<u>0.5</u>	<u>30%</u>	Dry Int Brachyletun Dennis punc Eury div Fagus gra D	Querc rub Acer pens
N Non-vascular	<u> </u>	<u> </u>	N/A	
V Vine/liana	<u> </u>	<u> </u>	N/A	

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B54</u>	Database Point Code <u>MABl-AA54</u>
Primary Map Unit <u>PmP</u>	Assoc Code/Name <u>6313</u>
Secondary Map Unit _____	Assoc Code/Name <u>7167</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B54r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>8.2</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/20/06</u> Surveyors <u>Ganley/Karjane</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>392</u> m	Slope <u>gentle</u>	Aspect <u>NW</u>
Topographic Position <u>Lower slope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology): Mixed conifer plantation	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____	

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☒ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☒ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	<u>08</u>	<u>80%</u>	<u>Pinus strobus D</u> <u>Picea abies D</u>	_____
T3 Sub-canopy	<u>07</u>	<u>40%</u>	<u>Frax americana D</u> <u>Acer sac D</u> <u>Quercus rubra</u>	_____
S1 Tall shrub	<u>04</u>	<u>20%</u>	<u>Ostrya virginica</u> <u>Fagus grandifolia D</u> <u>Acer platanoides D</u>	_____
S2 Short Shrub	<u>03</u>	<u>10%</u>	<u>Picea abies D</u>	_____
S3 Dwarf-shrub	_____	_____	<u>N/A</u>	_____
H Herbaceous	<u><0.5</u>	<u>30%</u>	<u>Dryas octopetala D</u> <u>Acer sac D</u> <u>Dryas maritima D</u> <u>Empetrum nigrum</u> <u>Quercus rubra</u>	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments	Cover Scale:	Height Scale:
	Strata and Species	Strata
	01 5%	01 <0.5 m
	02 10%	02 0.5-1 m
	03 20%	03 1-2 m
	04 30%	04 2-5 m
	05 40%	05 5-10 m
	06 50%	06 10-15 m
	07 60%	07 15-20 m
	08 70%	08 20-35 m
	09 80%	09 35-50 m
	10 90%	10 >50 m
	11 100%	

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B55</u>	Database Point Code <u>MAB- AA55</u>
Primary Map Unit <u>PWP</u>	Assoc Code/Name <u>7178</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B55r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>8.6</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____	m E Corrected UTM Y _____ m N UTM Zone <u>19</u>
Survey Date <u>9/20/06</u> Surveyors <u>Gardner / Langley</u>	
Area surveyed: 25 m radius circle ☒ other (describe) _____	
Park Site Name: <u>MAB</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>411</u> m Slope <u>gentle</u> Aspect <u>S</u>	
Topographic Position <u>mid slope</u>	
Landform <u>knoll</u>	
Environmental Comments (including hydrology): <u>rolling topography</u> <u>mid slope position</u> <u>some logging debris in lower part</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ___ Evergreen ___ Cold-deciduous ___ Mixed evergreen - cold-deciduous ___ % evergreen ___ % deciduous	___ Broad-leaved ___ Needle-leaved ___ Mixed Broad/Needle leaved ___ Graminoid ___ Forb ___ Pteridophyte	☒ Forest ___ Woodland ___ Shrubland ___ Dwarf Shrubland ___ Herbaceous ___ Nonvascular ___ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ___ Annual ___ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	08	70	<i>Pinus strobus</i> D	_____
T3 Sub-canopy	07	80	<i>Quercus rubra</i> <i>Acer sac</i> D <i>Frax americana</i>	_____
S1 Tall shrub	04	10%	<i>Picea rubens</i> <i>Fagus grandifolia</i> <i>Berberis vulgaris</i>	_____
S2 Short Shrub	/	/	/	_____
S3 Dwarf-shrub	/	/	/	_____
H Herbaceous	<0.5	60%	<i>Dryopteris</i> D <i>Dryopteris</i> D <i>Polygonum</i> <i>Frax americana</i>	_____
N Non-vascular	/	/	/	_____
V Vine/liana	/	/	/	_____

Comments

Plantation on way to Nlt

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B56</u>	Database Point Code <u>MAB1-AA56</u>
Primary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit <u>HEM</u>	Assoc Code/Name <u>6109</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B56r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.1</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E	Corrected UTM Y _____ m N UTM Zone <u>19</u>
Survey Date <u>9/20/06</u> Surveyors <u>Gardner / Leforge</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>364</u> m	Slope <u>gentle</u>	Aspect <u>NW</u>
Topographic Position <u>toe slope - very gentle</u>		
Landform <u>toe slope just above road edge</u>		
Environmental Comments (including hydrology):	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☒ Other: _____	

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>40</u> % evergreen <u>60</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	/	/	N/A	
T2 Canopy	17	80%	Tsuga can D Acer sac D Betula alle	
T3 Sub-canopy	06	20%	Fagus sven Tsuga can Acer sac D	
S1 Tall shrub	04	40%	Fagus sven D Viburnum aln Acer per Tsuga can	
S2 Short Shrub	/	/	N/A	
S3 Dwarf-shrub	/	/	N/A	
H Herbaceous	0.5	30%	Fagus sven Dry Int D Polyporus D Thelepora Acer per Quercus spp. Eury div Beech per Tsuga can	
N Non-vascular	/	/	/	
V Vine/liana	/	/		

Comments

Cover Scale:
Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:
Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B58</u>	Database Point Code <u>MABl-AA58</u>
Primary Map Unit <u>NH2</u>	Assoc Code/Name <u>5008</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: 	
GPS file name <u>B58r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>14.8</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Grawler / Lajay</u>	Area surveyed: 25 m radius circle _____ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>394</u> m Slope <u>mod-steep</u> Aspect <u>East-SE</u>	
Topographic Position <u>mid slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>Open canopy - Sugar maple / ash</u> <u>Eupatorium understory</u> <u>Scattered windthrows</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☒ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent				
T2 Canopy	07	60%	Acer sac D (sugar maple a little more) Frax ame D Tilia amre (very low)	
T3 Sub-canopy	06	20%	Acer sac D Frax ame	
S1 Tall shrub	04	5%	Sambucus racemosa D	
S2 Short Shrub	/	/	/	
S3 Dwarf-shrub	/	/	/	
H Herbaceous	02	90%	Quercus rugosum D Solidago caes Adiantum ped Cirsium lot Dry mery Asclepias sp.	Dennis pun Carex platyphylla Geranium bicknellii Polygon Solanum dul Aris tri
N Non-vascular	/	/	/	
V Vine/liana	/	/	/	

Comments

Laportea locally abundant in Polygon, but not in observation point

Big broad lid sedge - maybe Hitchcockian

Cover Scale:

Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:

Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MABl) - VT

Field Point Code <u>B59</u>	Database Point Code <u>MABl-AA59</u>
Primary Map Unit <u>NH2</u>	Assoc Code/Name <u>5008</u>
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments:	
GPS file name <u>B59r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>5.4</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/21/06</u> Surveyors <u>Gawler / Laryen</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MABl</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>430</u> m Slope <u>Steep</u> Aspect <u>E</u>	
Topographic Position <u>upper slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>Steep upper slope rich NH community</u> <u>with patches of bare soil</u> <u>Grass dominant</u> <u>just below crest of hill</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☒ Small rocks (gravel, 0.2-10 cm) ☒ Sand (0.1-2 mm) ☒ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen <u>100</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u> </u>	<u> </u>	<u> </u>	<u> </u>
T2 Canopy	<u>07</u>	<u>70%</u>	<u>Acer sac D</u> <u>Frax ame</u>	<u> </u>
T3 Sub-canopy	<u>06</u>	<u>10%</u>	<u>Acer sac D</u>	<u> </u>
S1 Tall shrub	<u>04</u>	<u><1%</u>	<u>Acer sac D</u> <u>Sambucus rac</u>	<u> </u>
S2 Short Shrub	<u> </u>	<u> </u>	<u>N/A</u>	<u> </u>
S3 Dwarf-shrub	<u> </u>	<u> </u>	<u>N/A</u>	<u> </u>
H Herbaceous	<u>01</u>	<u>10%</u>	<u>Verbascum thapsus</u> <u>Eupatorium sp.</u> <u>Carex platyphylla</u> <u>Eury div D</u> <u>Solid caes D</u>	<u>Polygonum</u> <u>Cucurbitaria back D</u> <u>Dry lat</u> <u>Dry marg</u>
N Non-vascular	<u> </u>	<u> </u>	<u> </u>	<u> </u>
V Vine/liana	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Comments	Cover Scale:	Height Scale:
	Strata and Species	Strata
	01 5%	01 <0.5 m
	02 10%	02 0.5-1 m
	03 20%	03 1-2 m
	04 30%	04 2-5 m
	05 40%	05 5-10 m
	06 50%	06 10-15 m
	07 60%	07 15-20 m
	08 70%	08 20-35 m
	09 80%	09 35-50 m
	10 90%	10 >50 m
	11 100%	

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B60</u>	Database Point Code <u>MAB-4460</u>
Primary Map Unit <u>Bldg + Ground</u> Assoc Code/Name <u>U/A</u>	
Secondary Map Unit _____ Assoc Code/Name _____	
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: NO DATA - BUILDINGS + GROUNDS	
<i>un mapped point.</i>	
GPS file name _____	Field UTM X _____ m E Field UTM Y _____ m N
GPS Error _____ m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E	Corrected UTM Y _____ m N UTM Zone <u>19</u>
Survey Date <u>9/19/06</u> Surveyors <u>Gawler / Langley</u>	Area surveyed: 25 m radius circle _____ other (describe) _____
Park Site Name: _____	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation _____ m	Slope _____	Aspect _____
Topographic Position _____		
Landform _____		
Environmental Comments (including hydrology):	Unvegetated Surface: <i>(please use the cover scale below)</i> ☐ Bedrock ☐ Litter, duff ☐ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____	

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☐ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
	☐ Pteridophyte	☐ Nonvascular	06 50%
<u>Herbs</u>		☐ Sparsely Vegetated	07 60%
☐ Annual			08 70%
☐ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "*")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	_____	_____	_____	_____
T3 Sub-canopy	_____	_____	_____	_____
S1 Tall shrub	_____	_____	_____	_____
S2 Short Shrub	_____	_____	_____	_____
S3 Dwarf-shrub	_____	_____	_____	_____
H Herbaceous	_____	_____	_____	_____
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments	Cover Scale:		Height Scale:	
	Strata and Species		Strata	
	01	5%	01	<0.5 m
	02	10%	02	0.5-1 m
	03	20%	03	1-2 m
	04	30%	04	2-5 m
	05	40%	05	5-10 m
	06	50%	06	10-15 m
	07	60%	07	15-20 m
	08	70%	08	20-35 m
	09	80%	09	35-50 m
	10	90%	10	>50 m
	11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B61</u>	Database Point Code <u>MAB1-AA61</u>
Primary Map Unit <u>PWP</u>	Assoc Code/Name <u>7178</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>Plantations white pine - p - not in older rows - maturing N. hard woods</u> <u>underneath. Hemlock prominent in subcanopy. Polygon mixed cover, with white</u> <u>P. dominant</u>	
GPS file name <u>B61r</u>	Field UTM X _____ m E Field UTM Y _____ m N
GPS Error <u>6.3</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Largay/Gawler</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>270</u> m	Slope <u>Flat</u>	Aspect <u>Flat</u>
Topographic Position <u>Toe slope</u>		
Landform <u>Bottom of hill</u>		
Environmental Comments (including hydrology): <u>Slopy area adjacent to stand</u> <u>Stand at base of slope</u>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil Other: _____	

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>		☒ Forest	01 5%
☐ Evergreen	☐ Broad-leaved	☐ Woodland	02 10%
☐ Cold-deciduous	☐ Needle-leaved	☐ Shrubland	03 20%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Dwarf Shrubland	04 30%
<u>60</u> % evergreen <u>40</u> % deciduous	☐ Graminoid	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Forb	☐ Nonvascular	06 50%
☐ Annual	☐ Pteridophyte	☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent				
T2 Canopy	<u>08</u>	<u>80%</u>	<u>Pinus strobus D</u> <u>Betulae</u> <u>Acer sac D</u> <u>Tsuga can</u> <u>Quercus</u>	
T3 Sub-canopy	<u>07</u>	<u>70%</u>	<u>Tsuga can D</u> <u>Betulae</u> <u>Acer sac</u>	
S1 Tall shrub	<u>04</u>	<u>20%</u>	<u>Acer pen D</u> <u>Fagus gra</u>	
S2 Short Shrub	<u>N/A</u>	<u>N/A</u>	<u>none</u>	
S3 Dwarf-shrub	<u>N/A</u>	<u>N/A</u>	<u>none</u>	
H Herbaceous	<u>01</u>	<u>20%</u>	<u>Dry int D</u> <u>Aster try</u> <u>Acer pen</u> <u>Maine can</u> <u>Poly caro</u>	
N Non-vascular	<u>N/A</u>	<u>N/A</u>	<u>none</u>	
V Vine/liana	<u>N/A</u>	<u>N/A</u>		

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B 62</u>	Database Point Code <u>MAB1-AA 62</u>
Primary Map Unit <u>NH</u>	Assoc Code/Name <u>6252-6211</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <i>NH with some raciphytes, but so much Beech, wouldn't call anything but NH</i>	
GPS file name <u>B 62 r</u>	Field UTM X _____ m E Field UTM Y _____ m N
GPS Error <u>8.4</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E	Corrected UTM Y _____ m N UTM Zone <u>19</u>
Survey Date <u>9/19/06</u> Surveyors <u>Grahamer / Larran</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>320</u> m	Slope <u>moderate-steep</u> Aspect <u>NE</u>
Topographic Position <u>mid slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <i>moderately steep slope</i>	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>10</u> % evergreen <u>90</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	_____	_____	_____	_____
T2 Canopy	08	80%	Fagus gra D Acer sac D Tsuga can	_____
T3 Sub-canopy	07	60%	Fagus gra D Betula all	_____
S1 Tall shrub	04	40%	Fagus gra D	_____
S2 Short Shrub	na	na	none	_____
S3 Dwarf-shrub	n/a	n/a	_____	_____
H Herbaceous	01	60%	DRY INT D ADIA PED ACER SAC DRY MARG FAGU GRA	CARE PLA
N Non-vascular	_____	_____	_____	_____
V Vine/liana	_____	_____	_____	_____

Comments

Cover Scale:

Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale:

Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B63</u>	Database Point Code <u>MAB- AAL3</u>
Primary Map Unit <u>HEM</u>	Assoc Code/Name <u>6609</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <i>Keyed out straight to hemlock</i>	
GPS file name <u>B63r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>7.2</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Gawler / LAGAY</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>257</u> m Slope <u>steep</u> Aspect <u>NE</u>	
Topographic Position <u>mid slope</u>	
Landform <u>intermittent stream channel / hill</u> <i>(ravine)</i>	
Environmental Comments (including hydrology): <i>intermittent stream channel / ravine and steep sides in stand</i>	Unvegetated Surface: <i>(please use the cover scale below)</i> ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☒ Evergreen _____ Cold-deciduous _____ Mixed evergreen - cold-deciduous _____ % evergreen _____ % deciduous	_____ Broad-leaved ☒ Needle-leaved _____ Mixed Broad/Needle leaved _____ Graminoid _____ Forb _____ Pteridophyte	☒ Forest _____ Woodland _____ Shrubland _____ Dwarf Shrubland _____ Herbaceous _____ Nonvascular _____ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> _____ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	07	80	Tsuga can D	—
T3 Sub-canopy	06	60	Tsuga can D Fagus gra	—
S1 Tall shrub	04	5	Fagus gra	—
S2 Short Shrub	03	<1	Fagus gra	—
S3 Dwarf-shrub	—	—	none	—
H Herbaceous	01	10%	Polygonum D Dryas lat D Dryas MAR	—
N Non-vascular	—	—	—	—
V Vine/liana	—	—	—	—

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B64</u>	Database Point Code <u>MAB1-AA64</u>
Primary Map Unit <u>PWP</u>	Assoc Code/Name <u>7178</u>
Secondary Map Unit <u>PMP</u>	Assoc Code/Name <u>6313</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: very little, but present scatter pine which may tip towards PMP, but white pine is clearly dominant	
GPS file name <u>B64r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>6.3</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>GAWLER / LARGAY</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>236</u> m Slope <u>moderate</u> Aspect <u>40° N-NE</u>	
Topographic Position <u>Lower slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology):	Unvegetated Surface: (please use the cover scale below) ☐ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☐ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u> ☒ Evergreen ☐ Cold-deciduous ☐ Mixed evergreen - cold-deciduous ☒ % evergreen _____ % deciduous	☐ Broad-leaved ☒ Needle-leaved ☐ Mixed Broad/Needle leaved ☐ Graminoid ☐ Forb ☐ Pteridophyte	☒ Forest ☐ Woodland ☐ Shrubland ☐ Dwarf Shrubland ☐ Herbaceous ☐ Nonvascular ☐ Sparsely Vegetated	01 5% 02 10% 03 20% 04 30% 05 40% 06 50% 07 60% 08 70% 09 80% 10 90% 11 100%
<u>Herbs</u> ☐ Annual ☒ Perennial			

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	08	75%	Pinus strobus D Pinus sylvestris (only me)	—
T3 Sub-canopy	07	30%	Tsuga can D Acer sac	—
S1 Tall shrub	04	5%	Fagus americana	—
S2 Short Shrub	—	0	none	—
S3 Dwarf-shrub	—	0	none	—
H Herbaceous	01	70%	Dry INT D Dry ACRO ARIS INT CAREX APP ACER SAC OND SEN	—
N Non-vascular	—	—	none	—
V Vine/liana	—	—	none	—

Comments

08 White pine plantation that
 wants to be a NH forest -
 Carex plant.
 Arisaema
 Polyacra coming back in

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B65</u>	Database Point Code <u>MAB1-AA65</u>
Primary Map Unit <u>HNH</u>	Assoc Code/Name <u>6109</u>
Secondary Map Unit <u>H30</u>	Assoc Code/Name <u>6088</u>
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>Key: good</u>	
GPS file name <u>B65r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>8.1</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>	
Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Gawler/Larfay</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>292</u> m Slope <u>moderate-steep</u> Aspect <u>E-SE</u>	
Topographic Position <u>mid slope</u>	
Landform <u>hill</u>	
Environmental Comments (including hydrology): <u>rocky, mod-steep slope</u>	Unvegetated Surface: (please use the cover scale below.) ☒ Bedrock ☒ Litter, duff ☒ Wood (> 1 cm) ☒ Large rocks (cobbles, boulders > 10 cm) ☐ Small rocks (gravel, 0.2-10 cm) ☐ Sand (0.1-2 mm) ☐ Bare soil ☐ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>60</u> % evergreen <u>40</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	<u>0.7</u>	<u>30</u>		
T2 Canopy	<u>57</u>	<u>80</u>	<u>Quercus rubra</u> <u>Acer sac D</u> <u>Tsuga can D</u> <u>Betula D</u>	
T3 Sub-canopy	<u>06</u>	<u>60</u>	<u>Tsuga can D</u> <u>Ostrya vir</u> <u>Acer sac D</u> <u>Pagoda</u>	
S1 Tall shrub	<u>04</u>	<u>5%</u>	<u>Tsuga can</u>	
S2 Short Shrub			<u>none</u>	
S3 Dwarf-shrub			<u>none</u>	
H Herbaceous	<u>01</u>	<u>10%</u>	<u>Dry N.A. D</u> <u>Dry INT D</u> <u>Dry AERO</u> <u>Dennis plant</u> <u>Solid</u>	<u>Mitchellia</u> <u>Moss</u>
N Non-vascular				
V Vine/liana				

Comments

Cover Scale:
Strata and Species

Height Scale:
Strata

01	5%	01	<0.5 m
02	10%	02	0.5-1 m
03	20%	03	1-2 m
04	30%	04	2-5 m
05	40%	05	5-10 m
06	50%	06	10-15 m
07	60%	07	15-20 m
08	70%	08	20-35 m
09	80%	09	35-50 m
10	90%	10	>50 m
11	100%		

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B66</u>	Database Point Code <u>MAB1-AA66</u>	
Primary Map Unit <u>HEM H</u>	Assoc Code/Name <u>6109</u>	
Secondary Map Unit <u>ONHF</u>	Assoc Code/Name <u>6173</u>	
Other Map Unit / Assoc within 50 m _____		
Key or Classification Comments: not enough Buck for HBO, but some more hemlock than typical for 6173, but decid issues fit		
GPS file name <u>B66r</u>	Field UTM X _____	m E Field UTM Y _____ m N
GPS Error <u>5.1</u> m	GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i>		
Corrected UTM X _____	m E Corrected UTM Y _____	m N UTM Zone <u>19</u>
Survey Date <u>9/19/06</u>	Surveyors <u>Gawler/Hargy</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>		
Quad Name: <u>Woodstock North</u>	Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>287</u> m	Slope <u>gentle - moderate</u>	Aspect <u>E-SE</u>
Topographic Position <u>Upper slope</u>		
Landform <u>hill</u>		
Environmental Comments (including hydrology): upper slope on rock outcrop		Unvegetated Surface: (please use the cover scale below) ☒ 30 Bedrock ☒ 40 Litter, duff ☒ 20 Wood (> 1 cm) ☒ 10 Large rocks (cobbles, boulders > 10 cm) ☒ 0 Small rocks (gravel, 0.2-10 cm) ☒ 0 Sand (0.1-2 mm) ☒ 0 Bare soil ☒ Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☐ Broad-leaved	☒ Forest	01 5%
☐ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☒ Mixed evergreen - cold-deciduous	☒ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
<u>40</u> % evergreen <u>60</u> % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
<u>Herbs</u>	☐ Pteridophyte	☐ Nonvascular	06 50%
☐ Annual		☐ Sparsely Vegetated	07 60%
☒ Perennial			08 70%
			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	08	70%	Tsuga can Frax ame D Frax ame Quer rub D Acer sal D Betu a	—
T3 Sub-canopy	07	60%	Fagus gra Acer soc D Tsuga can D	—
S1 Tall shrub	04	30%	Acer pen D Fagus gra	—
S2 Short Shrub	02	<5%	Fagus gra	—
S3 Dwarf-shrub	—	—	—	—
H Herbaceous	01	60%	Dry Int D Epilgus Acer pensylvan Denn pine D Urtica Maist can	—
N Non-vascular	—	—	—	—
V Vine/liana	—	—	—	—

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m

NATIONAL PARK VEGETATION MAPPING PROGRAM: ACCURACY ASSESSMENT POINT

IDENTIFIERS/LOCATORS - Marsh-Billings-Rockefeller National Historical Park (MAB) - VT

Field Point Code <u>B67</u>	Database Point Code <u>MAB1-AA47</u>
Primary Map Unit <u>ON4W</u>	Assoc Code/Name <u>5058</u>
Secondary Map Unit _____	Assoc Code/Name _____
Other Map Unit / Assoc within 50 m _____	
Key or Classification Comments: <u>key worked very well</u>	
GPS file name <u>B67r</u> Field UTM X _____ m E Field UTM Y _____ m N	
GPS Error <u>24 !</u> m GPS unit: Garmin GPSMAP 60CSx, WAAS enabled, internal processing	
<i>please do not complete the following information when in the field</i> Corrected UTM X _____ m E Corrected UTM Y _____ m N UTM Zone <u>19</u>	
Survey Date <u>9/19/06</u> Surveyors <u>Gawler / Lacey</u>	Area surveyed: 25 m radius circle ☒ other (describe) _____
Park Site Name: <u>MAB1</u>	
Quad Name: <u>Woodstock North</u> Quad Code <u>4307265</u>	

ENVIRONMENTAL DESCRIPTION

Elevation <u>320</u> m Slope <u>steep</u> Aspect <u>E-</u>
Topographic Position <u>midslope</u>
Landform <u>hill</u>
Environmental Comments (including hydrology): <u>grassy opening on relatively steep slope - some blowdowns</u> Unvegetated Surface: (please use the cover scale below) <u>5</u> Bedrock <u>20</u> Litter, duff <u>60</u> Wood (> 1 cm) <u>5</u> Large rocks (cobbles, boulders > 10 cm) <u>0</u> Small rocks (gravel, 0.2-10 cm) <u>0</u> Sand (0.1-2 mm) <u>10</u> Bare soil <u>blowdowns</u> Other: _____

VEGETATION DESCRIPTION

Leaf phenology (of dominant stratum)	Leaf Type (of dominant stratum)	Physiognomic class	Cover Scale for Unvegetated Surface
<u>Trees and Shrubs</u>			
☐ Evergreen	☒ Broad-leaved	☒ Forest	01 5%
☒ Cold-deciduous	☐ Needle-leaved	☐ Woodland	02 10%
☐ Mixed evergreen - cold-deciduous	☐ Mixed Broad/Needle leaved	☐ Shrubland	03 20%
☐ % evergreen ☐ % deciduous	☐ Graminoid	☐ Dwarf Shrubland	04 30%
	☐ Forb	☐ Herbaceous	05 40%
	☐ Pteridophyte	☐ Nonvascular	06 50%
<u>Herbs</u>		☐ Sparsely Vegetated	07 60%
☐ Annual			08 70%
☒ Perennial			09 80%
			10 90%
			11 100%

Stratum	Height	Cover Class	Dominant / characteristic species (mark dominants "D" and diagnostic or characteristic species "**")	Cover Class
T1 Emergent	—	—	—	—
T2 Canopy	06	50%	Acer sac D Ostrya vir D Frax ane Quercus rubra D	—
T3 Sub-canopy	05	20%	Frax ane Acer sac D Ostrya vir Tsuga can	—
S1 Tall shrub	04	20%	Acer sac D Acer spic D	—
S2 Short Shrub	03	5%	Acer spic	—
S3 Dwarf-shrub	—	—	none	—
H Herbaceous	01	80%	Desch flex D! Liriodenar D " " " sp. Polytrichum Polygonum cil (d)	Solidago rug
N Non-vascular	—	—	—	—
V Vine/liana	—	—	—	—

Comments

Cover Scale: Strata and Species

01	5%
02	10%
03	20%
04	30%
05	40%
06	50%
07	60%
08	70%
09	80%
10	90%
11	100%

Height Scale: Strata

01	<0.5 m
02	0.5-1 m
03	1-2 m
04	2-5 m
05	5-10 m
06	10-15 m
07	15-20 m
08	20-35 m
09	35-50 m
10	>50 m