

Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): Vernal Pool

2. Polygon Code: CT #7

3. Plot Number: CA 57

4. Quad name(s): Sterling Vt.

5. Survey site name: Caper Hill

6. Quarter Quad Number: 136228

7. Aerial Photo Number: ?

7. County name(s): Lamoille

8. Town: Johnson

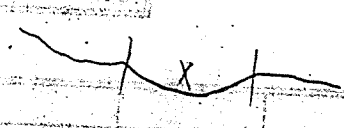
9. Location: R072216A camp got a reading

10. Survey date: 7.22.00

11. State: VT

12. Surveyors: MJS

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope</p> <p><input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope</p> <p><input type="checkbox"/> High Level <input type="checkbox"/> Low Slope</p> <p><input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope</p> <p><input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall</p> <p><input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p> <p><u>local depression</u></p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation _____</p> <p>16. Slope Degrees <u>✓</u></p> <p>17. Slope Aspect <u>✓</u></p>
<p>19. Soil Profile Description:</p> <p><u>10in organic HD</u></p> <p><u>over silt loam</u></p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam</p> <p><input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay</p> <p><input type="checkbox"/> Loam <input type="checkbox"/> Peat</p> <p><input checked="" type="checkbox"/> Silt Loam <input type="checkbox"/> Muck</p> <p><input type="checkbox"/> Other _____</p>	<p>18. Parent Material: <u>till</u></p> <p>21. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1%</p> <p><input checked="" type="checkbox"/> Moderately stony 0.1-1%</p> <p><input type="checkbox"/> Stony 3-15%</p> <p><input type="checkbox"/> Very Stony 15-50%</p> <p><input type="checkbox"/> Exceedingly stony 50-90%</p> <p><input type="checkbox"/> Stone piles > 90%</p>
<p>24. Environmental Comments:</p> <p><u>Vernal Pool ~ 10m x 70m on the less surrounded by Hemlock/NH forest. Little veg. in (dried) pool.</u></p>	<p>22. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained</p> <p><input type="checkbox"/> Well Drained</p> <p><input type="checkbox"/> Moderately Well Drained</p> <p><input checked="" type="checkbox"/> Somewhat Poorly Drained</p> <p><input type="checkbox"/> Poorly Drained</p> <p><input type="checkbox"/> Very Poorly Drained</p>	<p>23. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock</p> <p><input type="checkbox"/> % Large Rocks (>10cm)</p> <p><input type="checkbox"/> % Small rocks (<10cm)</p> <p><input type="checkbox"/> % Sand</p> <p><input type="checkbox"/> % Bare soil</p> <p><input checked="" type="checkbox"/> 95 % Litter, duff</p> <p><input type="checkbox"/> % Wood (> 1 cm)</p> <p><input type="checkbox"/> % Water</p> <p><input type="checkbox"/> % Other</p>

25. Plot representativeness:

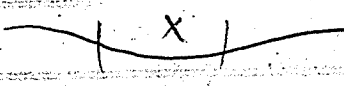
Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): <u>Vernal Pool</u>		
2. Polygon Code: <u>within H3</u>	3. Plot Number: <u>CA 61</u>	4. Quad name(s): <u>Sterling Mtn.</u>
5. Survey site name: <u>Caps Hill</u>		
6. Quarter Quad Number: <u>136228</u>		7. Aerial Photo Number: _____
7. County name(s): <u>Lamoille</u>		8. Town: <u>Johnson</u>
9. Location: <u>R022516B (42 points)</u>		
10. Survey date: <u>7.25.00</u>		
11. State: <u>VT</u>		12. Surveyors <u>MCS</u>

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation _____</p> <p>16. Slope Degrees <u> </u></p> <p>17. Slope Aspect <u> </u></p> <p>18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p>	<p>20. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>21. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>	
<p>24. Environmental Comments:</p> <p><u>pool ~ 20m x 10m</u></p>		
<p>25. Plot representativeness:</p>		

Mt. Mansfield Community Assessment Form

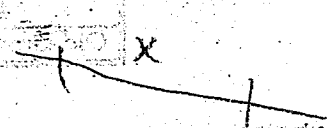
8/99

A. Identifiers

See below

1. Community name (SNAME): Seepage Forest
 2. Polygon Code: NH 3. Plot Number: CA 74 4. Quad name(s): Bolton Mm.
 5 Survey site name: Stevenson Brook
 6. Quarter Quad Number: 128208 7. Aerial Photo Number: 4201-133
 7. County name(s): Wash. 8. Town: Waterbury
 9. Location: Compt. 1 road between end of Vast trail
R082217B 06C UTM 675733E 4912587N (western edge of polygon)
 10. Survey date: 8.22.00 11. State: VT 12. Surveyors MLS

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input checked="" type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation <u>~1100'</u> 16. Slope Degrees <u>3°</u> 17. Slope Aspect <u>N</u> 18. Parent Material: <u>fill</u></p>
<p>19. Soil Profile Description:</p> <p><u>5" A dark silt loam</u> <u>2" sand (? peaty?)</u> <u>6" + B red/brown w/ mottles, coarse sand/ gravel particles</u> <u>very rocky. Depth to ~12" but may go deeper.</u> <u>Rock prevents corer from going deeper.</u></p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input checked="" type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>21. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
	<p>22. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>23. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>
<p>24. Environmental Comments:</p> <p><u>Some open areas w/ fewer or no trees. Many tip up mounds and fallen trees. Some evidence of logging. Very large and nice looking stand. Many large trees.</u></p>		
<p>25. Plot representativeness:</p> <p><u>R082217A is one of many upland islands w/in this large polygon. All of these run roughly parallel to R082217A.</u></p>		

C. Vegetation Description

Total Tree Cover 70 %

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy	20m	60%
T3 Tree Sub-canopy	15m	20%
S1 Tall Shrub	4m	5%
S2 Short Shrub	4m	8%
H Herbaceous	1m	90%
N Non-vascular		
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres): ?
How was size determined?
Current Condition of Community (check one):
<input checked="" type="radio"/> 1=great, no signs of anthropogenic disturbance, no exotics, etc.
2=moderate, some signs of anthropogenic disturbance, exotics, etc.
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
<input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=surrounded by fragmented forest, agricultural land or rural development
4=surrounding area intensely developed
Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

Stratum	Species	Rank	Cover Scale
T2	Acer sacca	3	
	Frax americana	3	
T3	Acer sacca	2	
	Fagus grandifolia	1	
	Frax americana	2	
	Leprotia canadensis		4
	Asplenium platyneuron		F
S1	Frax americana	1	
	Acer sacca	1	
	Fagus grandifolia	+	
S2	Viburnum acerifolium		
	Fagus grandifolia		
	Acer sacca		
	Frax americana		
			Cover Scale
			r <1% rare
			+ <1% occs
			1 1-5%
			2 5-25%
			3 26-50%
			4 51-75%
			5 76-100%

Mt. Mansfield Community Assessment Form

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A. Identifiers

1. Community name (SNAME): <u>Seepage w/ trees</u>	
2. Polygon Code: _____	3. Plot Number: <u>CA 87</u>
4. Quad name(s): <u>Bottom Mtn.</u>	
5. Survey site name: <u>Woodward Hill</u>	
6. ^{ortho} Quarter Quad Number: <u>128208</u>	7. Aerial Photo Number: <u>4101-B3</u>
8. County name(s): <u>Washington</u>	8. Town: <u>Waterbury</u>
9. Location: <u>Past gate west of old cellar.</u>	
UTM 675869E 4916558N	
Boundaries: <u>R092216A ✓ Plot R092216B</u>	
10. Survey date: <u>9-22-00</u>	11. State: <u>VT</u>
12. Surveyors: <u>MLS</u>	

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low Slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p>	<p>15. Elevation: <u>~560m</u></p> <p>16. Slope Degrees: <u>3°</u></p> <p>17. Slope Aspect: <u>S</u></p> <p>18. Parent Material:</p>
<p>19. Soil Profile Description:</p> <p><u>4" peat H9-H10</u> <u>over gravel.</u></p>	<p>20. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>21. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input checked="" type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
	<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input checked="" type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>
<p>24. Environmental Comments:</p> <p><u>Topographically defined on the north. To the south it slowly grades back into NH forest. Many fallen trees. Fairly open canopy. Many trees on slight hummocks.</u></p>		
<p>25. Plot representativeness: <u>good.</u></p>		

C. Vegetation Description

Total Tree Cover _____ %

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy	20m	50%
T3 Tree Sub-canopy	8m	10%
S1 Tall Shrub	4m	5%
S2 Short Shrub		
H Herbaceous	1m	9%
N Non-vascular		10%
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres):
How was size determined?
Current Condition of Community (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.
2=moderate, some signs of anthropogenic disturbance, exotics, etc.
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
1=surrounded by 1,000+ acres of intact matrix of natural communities
2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=surrounded by fragmented forest, agricultural land or rural development
4=surrounding area intensely developed
Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

Stratum	Species	Rank	Cover Scale
T2	<i>Acer rubrum</i>	3	
	<i>Fraxinus americana</i>	2	
	<i>Picea rubens</i>	2	
	<i>Acer saccharum</i>	2	
	<i>Betula papy</i>	1	
T3	<i>Acer pensylvanica</i>	2	
	<i>Picea rubens</i>	2	
	<i>Acer saccharum</i>	1	
S1	<i>Acer pensy</i>	1	
H	<i>Carex crinita</i>	1	
	<i>Demanda cinnamome</i>	3	
N	<i>Oxochla sensibilis</i>	2	
	<i>Equisetum sylvaticum</i>	1	
	<i>Carex disperma</i>	1	
	<i>Rubus pubescens</i>	+	
	<i>Aster pilicellus</i>	+	
	<i>Thuidium</i> sp.	+	
	<i>Brachythecium</i> sp.	+	
			Cover Scale
			r <1% rare
			+ <1% occs
			1 1-5 %
			2 5-25 %
			3 26-50 %
			4 51-75 %
			5 76-100 %

Mt. Mansfield Community Assessment Form

A. Identifiers

8/99

1. Community name (SNAME): Hamlock-NH w/ scattered SF inclusions (see notes)
 2. Polygon Code: C7 3. Plot Number: CA 56 4. Quad name(s): Sterling Mtn
 5. Survey site name: Caper Hill
 6. Quarter Quad Number: 136228 7. Aerial Photo Number: ?
 8. County name(s): Lamotte 8. Town: Johnson
 9. Location: Just east of Walton Rd & just north of Johnson Town line
(684549 E 4939744 N GPS quit only got one point)
 10. Survey date: 7.22.05 11. State: VT 12. Surveyors: MUS

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input checked="" type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input checked="" type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p>	<p>15. Elevation _____</p> <p>16. Slope Degrees <u>37</u></p> <p>17. Slope Aspect <u>N</u></p> <p>18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>21. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
	<p>22. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>23. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>

24. Environmental Comments:

For the most part, this polygon looks like Ham/NH in various stages of succession. There are some low spots (some significant) which contain spruce/fir/mple/ash and have hydrophytic vegetation.

25. Plot representativeness:

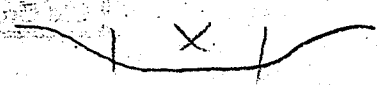
Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): Beaver Pond & Beaver Meadow
 2. Polygon Code: #9 47 3. Plot Number: CA 58 4. Quad name(s): Sterling Wn.
 5. Survey site name: Caper Hill
 6. Quarter Quad Number: 136228 7. Aerial Photo Number: _____
 7. County name(s): Lamoille 8. Town: Johnson
 9. Location: R0725173 west of road on side of Caper Hill
 10. Survey date: 7.25.00 11. State: VT 12. Surveyors: MVS

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input checked="" type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation _____ 16. Slope Degrees _____ 17. Slope Aspect _____ 18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p> <p><u>3" peat H8</u> <u>over fine sand</u> <u>gleyed</u></p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>21. Stoniness:</p> <p><input checked="" type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
<p>24. Environmental Comments:</p> <p><u>old beaver flooding. open water surrounded by hummocks of vegetation (see notes) Many standing dead trees: Maple (red), hemlock & w. birch. Beavers are gone. Bullfrogs, cedar waxwings & others.</u> <u>water ~ 1/2 - 1m deep</u> <u>2/3 sedge meadow / 1/3 open H2O emergent marsh</u></p>	<p>22. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input checked="" type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>23. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input checked="" type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>
<p>25. Plot representativeness: <u>very nice spot.</u></p>		

Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): early successional SF Swamp / Herbaceous - Mixed emergent
 2. Polygon Code: ES H5 3. Plot Number: CA 59 4. Quad name(s): Sterling Mtn.
 5. Survey site name: Caper Hill
 6. Quarter Quad Number: 136228 7. Aerial Photo Number: _____
 8. County name(s): Lamoille 8. Town: Johnson
 9. Location: East of Walton Rd. & N of Johnson Town Line. Behind field.
R072515A
 10. Survey date: 7.25.00 11. State: VT 12. Surveyors: MCS

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input checked="" type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p>	<p>15. Elevation <u>~360 m</u></p> <p>16. Slope Degrees: <u>-</u></p> <p>17. Slope Aspect: <u>-</u></p> <p>18. Parent Material: <u>fill</u></p>
<p>19. Soil Profile Description:</p> <p><u>shallow peat (#8)</u> <u>and coarse sand</u> <u>& gravel from river</u> <u>creek.</u></p>	<p>20. Average Soil Texture</p> <p> <input checked="" type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>21. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input checked="" type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles > 90% </p>
<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input checked="" type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>	

24. Environmental Comments:

low area adjacent to SF swamp, w/ creek running through. Scattered S, F trees but mostly herbaceous dominated, looks like it was part of adjacent swamp. Better flooded out trees (big tree ago). Now succeeding back to SF swamp. Now mostly annuals & clonal herbs.

25. Plot representativeness: very variable site

Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): Spruce-Fir Swamp of Hardwoods

2. Polygon Code: CE H6 3. Plot Number: CA 60 4. Quad name(s): Sterling Mtn.

5. Survey site name: Cape Hill

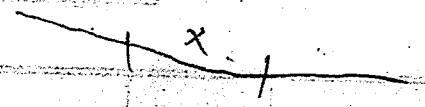
6. Quarter Quad Number: 136228 7. Aerial Photo Number: _____

8. County name(s): Lamoille 8. Town: Johnson

9. Location: see CT Just east of Walter rd & north of Johnson Town line
R 072217A

10. Survey date: 7.25.00 11. State: VT 12. Surveyors: Michael Lee Smith

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope</p> <p><input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope</p> <p><input type="checkbox"/> High Level <input type="checkbox"/> Lowslope</p> <p><input type="checkbox"/> Midslope <input checked="" type="checkbox"/> Toeslope</p> <p><input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall</p> <p><input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation <u>~360m</u></p> <p>16. Slope Degrees <u>3</u></p> <p>17. Slope Aspect <u>N</u></p> <p>18. Parent Material: <u>fill</u></p>
<p>19. Soil Profile Description:</p> <p><u>H9</u></p> <p><u>peat 3"</u></p> <p><u>? silt loam</u></p> <p><u>with a lot of</u></p> <p><u>stone. Unstratified</u></p> <p><u>(mixed sizes) stone.</u></p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam</p> <p><input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay</p> <p><input type="checkbox"/> Loam <input checked="" type="checkbox"/> Peat</p> <p><input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck</p> <p><input type="checkbox"/> Other _____</p>	<p>21. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1%</p> <p><input checked="" type="checkbox"/> Moderately stony 0.1-1%</p> <p><input type="checkbox"/> Stony 3-15%</p> <p><input type="checkbox"/> Very Stony 15-50%</p> <p><input type="checkbox"/> Exceedingly stony 50-90%</p> <p><input type="checkbox"/> Stone piles > 90%</p>
<p>24. Environmental Comments:</p> <p><u>Some signs of logging. A lot of coarse woody debris</u></p> <p><u>Hummock/hollows moderately developed. Some upland inclines.</u></p> <p><u>Near hayfield & Hem/NH forest.</u></p> <p><u>Probably a seepage situation.</u></p>	<p>22. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained</p> <p><input type="checkbox"/> Well Drained</p> <p><input type="checkbox"/> Moderately Well Drained</p> <p><input checked="" type="checkbox"/> Somewhat Poorly Drained</p> <p><input type="checkbox"/> Poorly Drained</p> <p><input type="checkbox"/> Very Poorly Drained</p>	<p>23. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock</p> <p><input type="checkbox"/> % Large Rocks (>10cm)</p> <p><input type="checkbox"/> % Small rocks (<10cm)</p> <p><input type="checkbox"/> % Sand</p> <p><input type="checkbox"/> % Bare soil</p> <p><input type="checkbox"/> % Litter, duff</p> <p><input checked="" type="checkbox"/> % Wood (> 1 cm)</p> <p><input type="checkbox"/> % Water</p> <p><input type="checkbox"/> % Other _____</p>
<p>25. Plot representativeness: <u>good.</u></p>		

RTE survey done
Nothing rare found

C. Vegetation Description

Total Tree Cover _____ %

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy	15-20m	60%
T3 Tree Sub-canopy		
S1 Tall Shrub	3m	15%
S2 Short Shrub		10%
H Herbaceous	≤1m	90%
N Non-vascular		30%
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres): ~10 acres
 How was size determined? estimated from map
 Current Condition of Community (check one):
 1=great, no signs of anthropogenic disturbance, no exotics, etc.
 2=moderate, some signs of anthropogenic disturbance, exotics, etc.
 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
 Landscape Quality (check one):
 1=surrounded by 1,000+ acres of intact matrix of natural communities
 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
 3=surrounded by fragmented forest, agricultural land or rural development
 4=surrounding area intensely developed
 Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

Stratum	Species	Rank	Cover Scale
T2	<i>Thuja occidentalis</i>	3	1
	<i>Acer rubrum</i>	2	1
	<i>Tsuga canadensis</i>	2	1
	<i>Picea canadensis</i>	2	1
S1	<i>Tsuga canadensis</i>	1	
	<i>Betula alleghaniensis</i>	1	
	<i>Acer spicatum</i>	1	
H	<i>Onoclea sensibilis</i>	2	
	<i>Osmunda cinnam.</i>	2	
	<i>Carex crinita</i>	1	
	<i>Carex scabrata</i>	1	
	<i>Rubus pubescens</i>	1	
N	<i>Thuidium</i> sp.		1
	<i>Sphagnum centrale</i>		1
	<i>Chamaecrista dendroidea</i>		1
	<i>Sphagnum girgensohnii</i>		1

Cover Scale	Percentage
r	<1% rare
+	<1% occs
1	1-5%
2	5-25%
3	26-50%
4	51-75%
5	76-100%

Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): <u>NH - early exc.</u> NOTES	
2. Polygon Code: <u>8 H 8</u>	3. Plot Number: <u>CA 62</u> 4. Quad name(s): <u>Sterling Mtn.</u>
5. Survey site name: <u>Cape Hill</u>	
6. Quarter Quad Number: <u>13B228</u>	7. Aerial Photo Number: _____
7. County name(s): <u>Lamoille</u>	8. Town: <u>Johnson</u>
9. Location: <u>R072516A, just west of Walton Rd, North of Johnson Town line</u>	
10. Survey date: <u>7.25.00</u>	11. State: <u>VT</u> 12. Surveyors: <u>MLS</u>

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p> <div style="border: 1px dashed gray; height: 100px; width: 100%;"></div>	<p>15. Elevation _____</p> <p>16. Slope Degrees _____</p> <p>17. Slope Aspect _____</p> <p>18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p>	<p>20. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>21. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
	<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>
<p>24. Environmental Comments:</p> <p style="font-size: 1.2em; color: blue;">See reverse</p>		
<p>25. Plot representativeness:</p>		

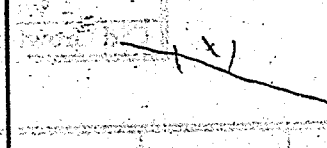
Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): <u>Seepage</u>			
2. Polygon Code: <u>within H2 14</u>		3. Plot Number: <u>CA 63</u>	
4. Quad name(s): <u>Sterling Mtn</u>			
5. Survey site name: <u>Cape Hill</u>			
6. Quarter Quad Number: <u>138128</u>		7. Aerial Photo Number: _____	
8. County name(s): <u>Lamoille</u>		9. Town: <u>Johnson</u>	
10. Location: <u>stood here for 1/2 hr waiting for a GPS reading - NOTHING!</u>			
11. Survey date: <u>7.25.00</u>		12. State: <u>VT</u>	
13. Surveyors: <u>MCS</u>			

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low Slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation _____</p> <p>16. Slope Degrees _____</p> <p>17. Slope Aspect _____</p> <p>18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p> <p><u>3" silt loam</u> <u>over gravel w/</u> <u>lenses of peat</u></p>	<p>20. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>21. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
	<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>
<p>24. Environmental Comments:</p> <p><u>A small seepage area surrounded by NH forest.</u> <u>Other small seepages in area</u></p>		
<p>25. Plot representativeness:</p>		

Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): <u>NH (early succ.) ie. young</u>			
2. Polygon Code: <u>C 17 35</u>		3. Plot Number: <u>CA 64</u>	
4. Quad name(s): <u>Starling Mtn.</u>			
5. Survey site name: <u>Johnson South</u>			
6. Quarter Quad Number: <u>13623Z</u>		7. Aerial Photo Number: _____	
8. County name(s): <u>Lamoille</u>		9. Town: <u>Johnson</u>	
10. Location: <u>R072518A just west of Walton Rd., N. of Johnson Town line.</u>			
11. Survey date: <u>7.25.00</u>		12. State: <u>VT</u>	
13. Surveyors: <u>MKS</u>			

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input checked="" type="checkbox"/> Lowslope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p>	<p>15. Elevation: _____</p> <p>16. Slope Degrees: <u>12</u></p> <p>17. Slope Aspect: <u>E</u></p> <p>18. Parent Material: <u>tu</u></p>
<p>19. Soil Profile Description:</p> <p><u>2" O</u></p> <p><u>2" + reddish loam</u></p> <p><u>~ 6" to mixed rock</u></p>	<p>20. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input checked="" type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other: _____ </p>	<p>21. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input checked="" type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
<p>24. Environmental Comments:</p> <p><u>No stumps. Probably was hay field. (adjacent to hay field) Stone wall nearby w/ older NH forest on other side.</u></p>	<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input checked="" type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other: _____ </p>
<p>25. Plot representativeness:</p>		

C. Vegetation Description

Total Tree Cover _____ %

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy	10 m	90%
T3 Tree Sub-canopy		
S1 Tall Shrub	2m	5%
S2 Short Shrub	1/2 m	5%
H Herbaceous	1/2 m	5%
N Non-vascular		
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres):	5
How was size determined?	
Current Condition of Community (check one):	
1=great, no signs of anthropogenic disturbance, no exotics, etc.	
2=moderate, some signs of anthropogenic disturbance, exotics, etc.	
<input checked="" type="checkbox"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	
Landscape Quality (check one):	
1=surrounded by 1,000+ acres of intact matrix of natural communities	
2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby	
<input checked="" type="checkbox"/> 3=surrounded by fragmented forest, agricultural land or rural development	
4=surrounding area intensely developed	
Old Growth: Yes/No (>180 years, generally).	

Dominant Species in each strata

Stratum	Species	Cover Scale
T2	<i>Acer rubrum</i>	5
	<i>Betula alleghaniensis</i>	1
	<i>Acer rubrum</i>	+
	<i>Acer pensylvanicum</i>	+
	<i>Fagus grandifolia</i>	+
S2	<i>Acer saccharinum</i>	+
	<i>Acer rubrum</i>	+
	<i>Pinus virginiana</i>	+
H1	<i>Urtica sessilifolia</i>	+
		Cover Scale
		r < 1% rare
		+ < 1% occs
		1 1-5%
		2 5-25%
		3 26-50%
		4 51-75%
		5 76-100%

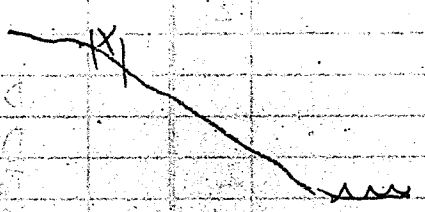
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): NH enriched
 2. Polygon Code: ? 214 3. ^{Dist} NCType Code: CA 55 4. Quad name(s): Bolton Mtn.
 5. Survey site name: Cotton Brook 6. District: _____ 7. UTM Zone: 18(T)
 8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 128212
 10. County name(s): Washington 11. Town: Waterbury
 12. Location: Just SE of log landing @ end of Cotton Brook Road.
On slope above Waterbury Res. & File R080514A
 13. Survey date: 8.5.00 14. Surveyors: MCS
 15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input checked="" type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation: <u>~1350</u> 18. Slope Degrees: <u>35°</u> 19. Slope Aspect: <u>SE</u> 20. Parent Material: <u>fill</u></p>
<p>21. Soil Profile Description:</p> <p><u>2" ———</u> <u>fine sandy loam A 5" ———</u> <u>reddish B</u> <u>fine sandy loam 10" ———</u></p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input checked="" type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p> <p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input checked="" type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input checked="" type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles > 90%</p> <p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input checked="" type="checkbox"/> 10 % Litter, duff <input checked="" type="checkbox"/> 5 % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>

27. Comments:

Area recently logged (thinned). Many nearby species invaded though some rich indicators present.
 Soil fairly rock. Depth only a few inches in places. From the flora, it seems fairly rich.

C. Vegetation Description

Total Tree Cover 35% (site was logged)

Ht. cover	Trees			Shrubs		Herbaceou	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (<1m)				
		20m	10m	3m	1m	8%			
		30%	10%	15%	5%	80%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class	Notes
T3	Acer sacc	2	H Herb veg. variable. Many weedy sp because of recent logging. + Rich indicators: frithers, mottle
	Frax amar	2	
	Fagus grand	2	
	Betula allegh	2	
T3	Ostrya virg	2	Adiantum pedatum +
	Acer sacc	2	Carlophyllum thal. 1
			Impatiens pallida 1
			Carex plantagin 1
			Dryop corth/inter 1
S1	Acer pensy	2	Dryop marg 4
	Acer sacc	1	Polystichum acros +
			Aster acuminat +
S2			Osmor long +
			Actea pachy +
			weedy sp. +
	Rubus occident	1	Polygonum cilinade 2
	Acer pens	1	Galeop tetarhit. 1
	Frax amar	1	Rubus spp. 2
		Damn punct 1	
			Cover Class
			r <1% rare
			+ <1% occs
			1 1-5%
			2 6-25%
			3 26-50%
			4 51-75%
			5 76-100%

Community Ranking

Size of community (acres): unknown

How was size determined? _____

Old Growth: Yes/No (No) (>180 years, generally)

Current Condition of Community (check one):	Landscape Quality (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.	1=surrounded by 1,000+ acres of intact matrix of natural communities
2=moderate, some signs of anthropogenic disturbance, exotics, etc.	2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	3=surrounded by fragmented forest, agricultural land or rural development
	4=surrounding area intensely developed

EO RANK: probably not a state sig. site. Rank ± D size unknown.

Justification: _____

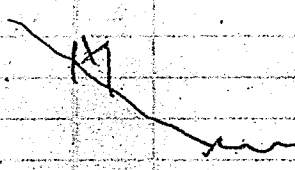
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): enriched NH
 2. Polygon Code: 214 3. NCT^{Plot}Type Code: CA-65 4. Quad name(s): Bolton Mtn
 5. Survey site name: Cotton Brook 6. District: _____ 7. UTM Zone 18
 8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 128212
 10. County name(s): Washington 11. Town: Waterbury
 12. Location: Down slope SE of log landing @ end of Cotton Brook road. Slope above Wat. Res. R080515A
 13. Survey date: 8.5.00 14. Surveyors MUS
 15. Comments: Further down slope from CA55

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input checked="" type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation <u>900'</u> 18. Slope Degrees <u>20°</u> 19. Slope Aspect <u>E</u> 20. Parent Material: <u>fill</u></p>
<p>21. Soil Profile Description:</p> <p><u>O 2" —</u> <u>A 5" —</u> <u>dark fine sandy loam</u> <u>B ~10" —</u> <u>red sandy loam</u> <u>soil depth variable</u> <u>shallow (5" in places)</u></p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input checked="" type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input checked="" type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input checked="" type="checkbox"/> 60 % Litter, duff <input checked="" type="checkbox"/> 3 % Wood (>1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>
<p>27. Comments: <u>part of same forest as CA55 (previous plot) but this site was not recently logged. Fewer microtrophic indicators, less steep slope. Some spots of polygon look-like rich variant of NH (Rich NH type). Small, localized seepages common</u></p>		

C. Vegetation Description

Total Tree Cover 80 %

	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (<1m)				
t.		20%	8-10%	3%	1/2%	1/2%			
over		80%	15%	20%	5%	15%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class	Notes
T2	<i>Frax amer</i>	3	
	<i>Acer sacc</i>	3	
	<i>Fagus grand</i>	2	
	<i>Betula alle</i>	2	
T3	<i>Fagus grand</i>	2	
	<i>Acer sacc.</i>	2	* Further down slope
S1	<i>Acer pensy</i>	2	
	<i>Fagus grand</i>	2	
	<i>Ostrya virg</i>	2	
S2	<i>Acer pensy</i>	1	
	<i>Acer sacc</i>	1	
H	<i>Denn punct</i>	+	
	<i>Doparin acrostichoides</i>	+	
	<i>Asiaten pendulum</i>	+	
	<i>Caulophyllum thal.</i>	1	
	<i>Hydrophyllum virg</i>	+	
	<i>Arisema triphyllum</i>	+	
	<i>Dryop carth</i>		
	<i>Impatiens pallida</i>		
	<i>Asarum canad.</i>		
	<i>Laportea can</i>		
	<i>Urtica sess</i>		
	<i>Trillium erect.</i>		
	<i>Gallium triflor</i>		
	<i>Viola canadense</i>		
	<i>Carex grac.</i>		
	<i>Actaea pachy</i>		
	<i>Tilia amer</i>		
	<i>Juglans cinerea</i> (83cm DBH!)		
	<i>Carex plant.</i>		
	<i>Polystach micro</i>		

Community Ranking

Size of community (acres):	
How was size determined?	
Old Growth: Yes/No (>180 years, generally)	
Current Condition of Community (check one):	Landscape Quality (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.	1=surrounded by 1,000+ acres of intact matrix of natural communities
2=moderate, some signs of anthropogenic disturbance, exotics, etc.	2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	3=surrounded by fragmented forest, agricultural land or rural development
	4=surrounding area intensely developed
EO RANK:	
Justification:	

Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): <u>Red Spruce - NH</u>	
2. Polygon Code: <u>54</u>	3. Plot Type Code: <u>CA 66</u>
4. Quad name(s): <u>Sterling Mtn</u>	
5. Survey site name: <u>Mud Brook</u>	6. District: _____ 7. UTM Zone: _____
8. UTM N: _____ UTME: _____	9. Orthophoto Number and Year: <u>132228</u>
10. County name(s): <u>Lamoille</u>	11. Town: <u>Morris town</u>
12. Location: <u>up road along Mud Brook east of trail to Beaver Meadow. Near forest boundary R080717A</u>	
13. Survey date: <u>8.7.00</u>	14. Surveyors: <u>MLS</u>
15. Comments: _____	

B. Environmental Description

<p>15. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input checked="" type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>16. Description of Topography:</p> <p style="text-align: center;">_____</p>	<p>17. Elevation: <u>470 meters</u></p> <p>18. Slope Degrees: <u>3°</u></p> <p>19. Slope Aspect: <u>E</u></p> <p>20. Parent Material: <u>till</u></p>
<p>21. Soil Profile Description:</p>	<p>22. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input checked="" type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other: _____ </p>	<p>23. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles > 90% </p>
	<p>24. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input checked="" type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>25. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other: _____ </p>
<p>27. Comments: _____</p>		

C. Vegetation Description

Total Tree Cover 70%

	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (>2m)	S2 Short (<1m)				
t.		15m	10m	3m	1m				
over		60%	30%	15%	15%	25%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class	
T2	Abies bals	3	
	Acer rubrum	2	
	Betula papy	2	
T3	Abies bals	2	
	Betula papy	2	
S1	Acer rubrum	1	
	Abies bals	2	
	Picea rubens	1	
S2	Picea rubens	1	
	Abies bals	2	
	Acer rubrum	1	
Cover Class Legend			Cover Class
	r	< 1%	rare
	+	< 1%	occs
	1	1-5%	
	2	6-25%	
3	26-50%		
4	51-75%		
5	76-100%		

Community Ranking

Size of community (acres):	
How was size determined?	
Old Growth: Yes/No (>180 years, generally)	
Current Condition of Community (check one):	
1=great, no signs of anthropogenic disturbance, no exotics, etc.	Landscape Quality (check one):
2=moderate, some signs of anthropogenic disturbance, exotics, etc.	
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	
	1=surrounded by 1,000+ acres of intact matrix of natural communities
	2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
	3=surrounded by fragmented forest, agricultural land or rural development
	4=surrounding area intensely developed
EO RANK:	
Justification: <u>Was more hardwood (red maple) + spruce before recent logging job.</u>	

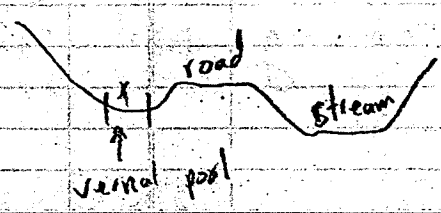
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): <u>Vernal Pool</u>		
2. Polygon Code: _____	3. ^{Plot} NC Type Code: <u>CA 67</u>	4. Quad name(s): _____
5. Survey site name: <u>Mud City Loop</u>		6. District: _____
7. UTM Zone _____		8. UTM N _____
9. UTM E _____		9. Orthophoto Number and Year: <u>132228</u>
10. County name(s): <u>Morris</u>		11. Town: <u>Lamoille</u>
12. Location: <u>Along trail (two track road) and Mud Brook just west of shelter</u>		
13. Survey date: <u>8.7.00</u>		
14. Surveyors: <u>MUS</u>		
15. Comments: _____		

B. Environmental Description

<p>15. Topographic Position</p> <p> <input type="checkbox"/> Interfluve <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input checked="" type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>16. Description of Topography:</p> 	<p>17. Elevation: <u>480 meters</u></p> <p>18. Slope Degrees: _____</p> <p>19. Slope Aspect: _____</p> <p>20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p> <p><u>silt loam</u></p>	<p>22. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input checked="" type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>23. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles > 90% </p>
<p>24. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input checked="" type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>25. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>	
<p>27. Comments:</p> <p>_____</p> <p>_____</p> <p>_____</p>		

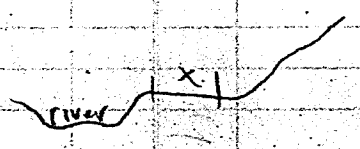
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): Hamlock - NH
 2. Polygon Code: Pi: Hdw 3. ^{Plot} NCType Code: CA 68 4. Quad name(s): Bolton Mtn
 5. Survey site name: Little River Dam 6. District: _____ 7. UTM Zone _____
 8. UTM N _____ UTME _____ 9. Orthophoto Number and Year: 128208
 10. County name(s): Washington 11. Town: Waterbury
 12. Location: Just south of Dam along the Little River
No GPS reading.
 13. Survey date: 8. 1. 00 14. Surveyors: ML
 15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input checked="" type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation _____ 18. Slope Degrees <input checked="" type="checkbox"/> 19. Slope Aspect <input checked="" type="checkbox"/> 20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p> <p><u>0-2" —</u> <u>B deep sand</u></p>	<p>22. Average Soil Texture</p> <p><input checked="" type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input checked="" type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
<p><u>w/ mottle @ ~10 inches</u></p>	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input checked="" type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>
<p>27. Comments:</p> <p><u>Topographic position suggests that it was floodplain before the Dam went in circa 1927.</u> <u>Small trees. Early successional.</u></p>		

C. Vegetation Description

Total Tree Cover 70 %

	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (<1m)				
t.	15m	10-12m	6m		1m	1m			
over	10%	65%	20%		5%	60%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
T1	<i>Pinus strobus</i>	2
	<i>Thuja occidentalis</i>	2
	<i>Toxicaria radice</i>	1
T2	<i>Betula allegh.</i>	
	<i>Prunus serotina</i>	
T3	<i>Carpinus carol</i>	2
	<i>Acer sacc</i>	1
	<i>Frax amur</i>	1
S2	<i>Carpinus carol</i>	1
	<i>Acer pensy</i>	+

Cover Class	Percentage
1	<1% rare
+	<1% occs
1	1-5%
2	6-25%
3	26-50%
4	51-75%
5	76-100%

Community Ranking

Size of community (acres): _____

How was size determined? _____

Old Growth: Yes/No (>180 years, generally) _____

Current Condition of Community (check one):	Landscape Quality (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.	1=surrounded by 1,000+ acres of intact matrix of natural communities
2=moderate, some signs of anthropogenic disturbance, exotics, etc.	2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	3=surrounded by fragmented forest, agricultural land or rural development
	4=surrounding area intensely developed

EO RANK: _____

Justification: _____

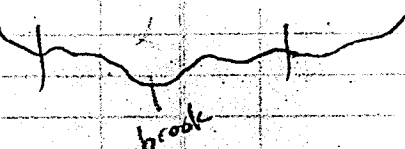
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): Hemlock - NH
 2. Polygon Code: 200 3. ^{Plot}NE Type Code: CA 69 4. Quad name(s): Bolton Mtn
 5. Survey site name: Clay Brook 6. District: _____ 7. UTM Zone _____
 8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 124220
 10. County name(s): Chittenden 11. Town: Underhill
 12. Location: Along Clay Brook just inside State Forest Boundary
 13. Survey date: 8.12.00 14. Surveyors: MLS
 15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low Slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input checked="" type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation <u>1400'</u> 18. Slope Degrees <u>Var</u> 19. Slope Aspect <u>Var</u> 20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p> <p>? > about 10" of organic layer 1" of leached E 2" of light red B₁ and dark red B₂ Sandy clay loam depth varies 3"-15"</p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input checked="" type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silty Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input checked="" type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
<p>27. Comments:</p> <p>Very Beautiful forest restricted to the area around clay brook. NH forest away from brook. Looks to me like old growth. Very large trees. A lot of old, dead fallen trees. Uneven aged canopy. Topographically very diverse. Small bedrock ridges w/ many creeks. Low wet spots in between. Moss layer very diverse. No sign of logging. Great amphibian habitat. Moose tracks.</p> <p>State Rank A - because of its location and age.</p>	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input checked="" type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (>1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>

10/20/00
5/20/01
red eft

C. Vegetation Description

Total Tree Cover 80 %

	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (<1m)				
t.	30m	35-30m	10m	1-3m	<1m				
over	15%	50%	15%	30%	10%	15%	15%		

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
T2	<i>Tsuga canadensis</i>	3
	<i>Picea rubens</i>	2
	<i>Betula alleghaniensis</i>	2
	<i>Acer rubrum</i>	1
T3	<i>Tsuga canadensis</i>	
	<i>Betula alleghaniensis</i>	
	<i>Picea rubens</i>	
S1	<i>Viburnum alni</i>	2
S2	<i>Abies balsamea</i>	1
	<i>Picea canadensis</i>	1
	<i>Viburnum alni</i>	1
	<i>Acer sp.</i>	+
H	<i>Corylus trifida</i>	1
	<i>Clintonia borealis</i>	+
	<i>Trichostema boreale</i>	+
	<i>Marrubium canadense</i>	+
L	<i>Galium acetosella</i>	1
	<i>Cypripedium acaule</i>	+
Cover Class	1	<1% rare
	2	<1% occs
	3	1-5%
	4	6-25%
	5	26-50%

Community Ranking

Size of community (acres):
 How was size determined?
 Old Growth: Yes / No (>180 years, generally)
 Current Condition of Community (check one):
 1=great, no signs of anthropogenic disturbance, no exotics, etc.
 2=moderate, some signs of anthropogenic disturbance, exotics, etc.
 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
 Landscape Quality (check one):
 1=surrounded by 1,000+ acres of intact matrix of natural communities
 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
 3=surrounded by fragmented forest, agricultural land or rural development
 4=surrounding area intensely developed

EO RANK
 Justification: Big Hem ~ 60cm DBH. T3 Hem ~ 30cm DBH
Big Spruce ~ 40cm DBH

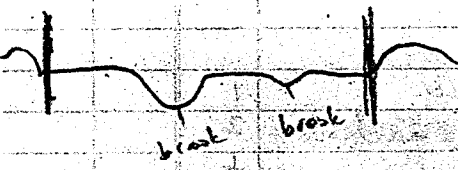
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): ? Herbaceous Riverside Community
 2. Polygon Code: _____ 3. ^{Plot} NCType Code: CA 70 4. Quad name(s): Balton mtn.
 5. Survey site name: Clay Brook 6. District: _____ 7. UTM Zone _____
 8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 124220
 10. County name(s): Chitt 11. Town: Underhill
 12. Location: Along Clay Brook near State Forest Boundary
 13. Survey date: 8.12.00 14. Surveyors: MJS
 15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluve <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input checked="" type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation: <u>400'</u> 18. Slope Degrees: _____ 19. Slope Aspect: _____ 20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p> <p><u>1" organic layer</u> <u>over gravel.</u></p>	<p>22. Average Soil Texture</p> <p><input checked="" type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other: <u>gravel</u></p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
<p>27. Comments:</p> <p>No wetland. Dry. Disturbed. No sign of human activity. I believe this is kept open by annual or occasional flooding of clay brook. The current water level only a couple feet below this community. Fairly large polygon. Alternates of thin-NH old growth. Beautiful site. This ± undisturbed fairly wide valley of brook is uncommon in the state. May have been</p>	<p>24. Soil Drainage</p> <p><input checked="" type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>

C. Vegetation Description

Total Tree Cover _____ %

	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	2 Canopy	Subcanopy	1 Tall (> 1m)	2 Short (< 1m)				
t.					2m	1-2m			
over					15%	100%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
S2	<i>Spirea alba</i>	
	<i>Rubus allegh.</i>	
	<i>Rubus occident.</i>	
H	<i>Eupa. macu.</i>	1
	<i>Salicigo canad.</i>	2
	<i>Eupa. perf.</i>	+
	<i>Esth. gran.</i>	+
	<i>Anea crinit.</i>	1
	<i>Cala. cana.</i>	1

Cover Class	
1	< 1% rare
+	< 1% occs
1	1-5 %
2	6-25 %
3	26-50 %
4	51-75 %
5	76-100 %

Community Ranking

Size of community (acres):	
How was size determined?	
Old Growth: Yes/No (>180 years, generally)	
Current Condition of Community (check one):	
1=great, no signs of anthropogenic disturbance, no exotics, etc.	Landscape Quality (check one):
2=moderate, some signs of anthropogenic disturbance, exotics, etc.	
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	
	1=surrounded by 1,000+ acres of intact matrix of natural communities
	2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
	3=surrounded by fragmented forest, agricultural land or rural development
	4=surrounding area intensely developed
EO RANK:	
Justification:	

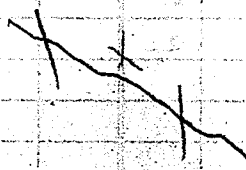
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): NH forest
 2. Polygon Code: 214 3. ~~NET~~^{PLOT} Type Code: CA 21 4. Quad name(s): Bolton Mtn
 5. Survey site name: Stevenson Brook Rd 6. District: _____ 7. UTM Zone _____
 8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 128208
 10. County name(s): Wash. 11. Town: Waterbury
 12. Location: on N side of road (bot. road & brook) on slope just below road near 3rd log landing (landing on N side of rd.)
 13. Survey date: 8.13.00 14. Surveyors: MUS
 15. Comments: I think this area was tagged as potentially rich NH site

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluve <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input checked="" type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation <u>900'</u> 18. Slope Degrees <u>26°</u> 19. Slope Aspect <u>E</u> 20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p> <p><u>1" O layer</u> <u>2" dark A loam</u> <u>1 1/2" slightly leached E</u> <u>3" dark red-brown B + red orange C</u> <u>? suggests a slightly acidic post - perhaps conifers</u> <u>soil depth 16" and less in places</u></p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input checked="" type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p> <p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles > 90%</p> <p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>
<p>27. Comments: <u>Canopy dominated by ash but little or no herb indicators of enrichment (scattered Anisacoma clumps)</u> <u>Scattered beech trees (bear trees)</u></p>		

C. Vegetation Description

Total Tree Cover 90 %

t.	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (<1m)				
over		25m	15m	3m	1				
		65%	40%	15%	5%	10%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
T2	<i>Frax americana</i>	3
	<i>Acer sacca</i>	2
T3	<i>Fagus grand</i>	3
	<i>Acer sacca</i>	2
	<i>Frax americana</i>	2
S1	<i>Fagus grand</i>	1
	<i>Acer pensy</i>	1
	<i>Hicoria</i>	+
	<i>Polyacrostichoides</i>	+
	<i>Dryo intermedia</i>	2
	<i>Tilia crac</i>	+
	<i>Aria triphy</i>	+

Community Ranking

Size of community (acres):	
How was size determined?	
Old Growth: Yes/No (>180 years, generally)	
Current Condition of Community (check one):	Landscape Quality (check one):
<input checked="" type="radio"/> 1=great, no signs of anthropogenic disturbance, no exotics, etc. <input type="radio"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc. <input type="radio"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	<input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities <input type="radio"/> 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby <input type="radio"/> 3=surrounded by fragmented forest, agricultural land or rural development <input type="radio"/> 4=surrounding area intensely developed
EO RANK:	
Justification: large polygon but area dominated by ash smaller.	

A. Identifiers

1. Community name (SNAME): NH Seepage Forest → see notes

2. Polygon Code: 214 3. Plot Number: CA 72 4. Quad name(s): Boton Mtn

5. Survey site name: Cotton Brook Trib.

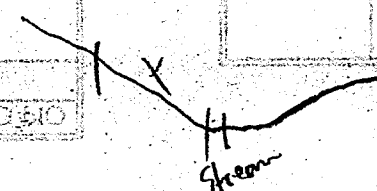
6. Quarter Quad Number: 128212 7. Aerial Photo Number: 4201-131

7. County name(s): Washington 8. Town: Waterbury

9. Location: 1st trib on N side of Cotton Brook after entering Waterbury Res. On W side of trib (stream).

10. Survey date: 8.17.00 11. State: VT 12. Surveyors: MCS

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope</p> <p><input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope</p> <p><input type="checkbox"/> High Level <input checked="" type="checkbox"/> Lowslope</p> <p><input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope</p> <p><input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall</p> <p><input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation: <u>~1100</u></p> <p>16. Slope Degrees: <u>10°</u></p> <p>17. Slope Aspect: <u>E</u></p> <p>18. Parent Material: <u>fill</u></p>
<p>19. Soil Profile Description:</p> <p><u>Mostly a thin O layer over rock</u></p> <p><u>Some pockets w/ a dark loam</u></p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam</p> <p><input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay</p> <p><input type="checkbox"/> Loam <input type="checkbox"/> Peat</p> <p><input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck</p> <p><input type="checkbox"/> Other _____</p>	<p>21. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1%</p> <p><input type="checkbox"/> Moderately stony 0.1-1%</p> <p><input type="checkbox"/> Stony 3-15%</p> <p><input type="checkbox"/> Very Stony 15-50%</p> <p><input checked="" type="checkbox"/> Exceedingly stony 50-90%</p> <p><input type="checkbox"/> Stone piles > 90%</p>
	<p>22. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained</p> <p><input type="checkbox"/> Well Drained</p> <p><input type="checkbox"/> Moderately Well Drained</p> <p><input checked="" type="checkbox"/> Somewhat Poorly Drained</p> <p><input type="checkbox"/> Poorly Drained</p> <p><input type="checkbox"/> Very Poorly Drained</p>	<p>23. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock</p> <p><input checked="" type="checkbox"/> % Large Rocks (>10cm)</p> <p><input type="checkbox"/> % Small rocks (<10cm)</p> <p><input type="checkbox"/> % Sand</p> <p><input type="checkbox"/> % Bare soil</p> <p><input type="checkbox"/> % Litter, duff</p> <p><input type="checkbox"/> % Wood (>1 cm)</p> <p><input type="checkbox"/> % Water</p> <p><input type="checkbox"/> % Other _____</p>

24. Environmental Comments:

Many talus rocks & boulders, difficult to walk. Fairly poorly stocked presumably because of rockiness. Is it that wet? no standing water.

Risk indicators present here & up slope: Adiantum, Allium, Carex, Phyllon. This whole polygon contains localized seeps

25. Plot representativeness:

and enriched areas. Very large ash trees. Matrix is standard NH]

C. Vegetation Description

Total Tree Cover **85%**

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy	20m.	85%
T3 Tree Sub-canopy		
S1 Tall Shrub	2m	5%
S2 Short Shrub		
H Herbaceous	1/2m	80%
N Non-vascular		50%
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres):
How was size determined?
Current Condition of Community (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.
2=moderate, some signs of anthropogenic disturbance, exotics, etc.
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
1=surrounded by 1,000+ acres of intact matrix of natural communities
2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=surrounded by fragmented forest, agricultural land or rural development
4=surrounding area intensely developed
Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

Stratum	Species	Abundance	Notes
T2	<i>Fraxinus americana</i>	3	
	<i>Acer saccharinum</i>	3	
			3 branched thing
S1	<i>Fagus grandifolia</i>	+	
	<i>Acer platanoides</i>		
	<i>Acer saccharum</i>		
H	<i>Impatiens pallida</i>	3	
	<i>Taraxacum officinale</i>	+	
	<i>Dryopteris intermedia</i>	2	
	<i>Geranium bicknellii</i>	1	
	<i>Viola</i> sp.	+	
	<i>Desmodium illinoense</i>	+	
	<i>Polystichum braunii</i>	+	
	<i>Galium triflorum</i>	+	
	<i>Athyrium angustum</i>		
	<i>Laportia canadensis</i>		

Cover Scale	Percentage
r	<1% rare
+	<1% occs
1	1-5%
2	5-25%
3	26-50%
4	51-75%
5	76-100%

Mt. Mansfield Community Assessment Form

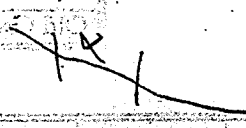
PolyID #126

8/99

A. Identifiers

1. Community name (SNAME): Spruce Fir - Northern Hardwood
 2. Polygon Code: 126 3. Plot Number: CA 75 4. Quad name(s): Mt. Mans.
 5. Survey site name: Underhill
 6. Quarter Quad Number: 120224 7. Aerial Photo Number: 4201-143
 7. County name(s): Chittenden 8. Town: Underhill
 9. Location: R 090116A UTM 670349E 4932734N
New road landing in Thunder Basin?
 10. Survey date: 9.2.00 11. State: VT 12. Surveyors MJS

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input checked="" type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation <u>~1600'</u> 16. Slope Degrees <u>5°</u> 17. Slope Aspect <u>N</u> 18. Parent Material: <u>fill</u></p>
<p>19. Soil Profile Description:</p> <p><u>1" O Layer</u> <u>3" A dark loam</u> <u>4" B reddish loam</u> <u>Soil very shallow in places. A lot of rocks.</u></p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input checked="" type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p> <p>22. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input checked="" type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>21. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input checked="" type="checkbox"/> Moderately stony - 0.1-1% <input type="checkbox"/> Stony - 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p> <p>23. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>

24. Environmental Comments:

Site was logged. Looks like a lot of softwoods (spruce) was taken. Coming back up mixed hardwoods and softwoods. Probably an early successional variant of spruce-Fir-NH. Some wet spots. Fairly rocky.

25. Plot representativeness:

C. Vegetation Description

Total Tree Cover **85%**

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy	10m	80%
T3 Tree Sub-canopy	3m	
S1 Tall Shrub	5m	20%
S2 Short Shrub		
H Herbaceous	1	30%
N Non-vascular		
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres):
How was size determined?
Current Condition of Community (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.
<input checked="" type="checkbox"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc.
<input checked="" type="checkbox"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
<input checked="" type="checkbox"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=surrounded by fragmented forest, agricultural land or rural development
4=surrounding area intensely developed
Old Growth: Yes/No (<input checked="" type="checkbox"/> No) (>180 years, generally)

Dominant Species in each strata

Stratum	Species	Abundance	Cover Scale
T3	<i>Betula papyrifera</i>	2	
	<i>Picea rubens</i>	2	
	<i>Acer saccharum</i>	2	
S1	<i>Acer pensilvanicum</i>	2	
	<i>Picea canadensis</i>	2	
	<i>Acer rubrum</i>	4	
H	<i>Desmodium illinoense</i>	3	
	<i>Machaeranthera</i>	+	

Cover Scale	
r	<1% rare
+	<1% occs
1	1-5%
2	5-25%
3	26-50%
4	51-75%
5	76-100%

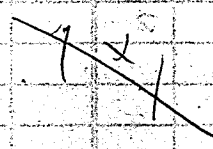
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): NH (enriched variant)
 2. Polygon Code: 3 3. ^{PLOT} NCType Code: CA 76 4. Quad name(s): Bolton Mtn
 5. Survey site name: Wire Road 6. District: _____ 7. UTM Zone _____
 8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 128228
 10. County name(s): Chitt 11. Town: Underhill
 12. Location: From Smuggler's Notch, take the Wire Road at exit
the bridge. Site SW of bridge. R102018A (bid p 201, 7, 20)
 13. Survey date: 9. 1. 00 14. Surveyors MUS JCM 677375 E 4939499 N
 15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input checked="" type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation _____ 18. Slope Degrees <u>10</u> 19. Slope Aspect <u>N</u> 20. Parent Material: <u>fill</u></p>
<p>21. Soil Profile Description:</p> <p><u>2" O layer</u> <u>3" A dark silt loam</u> <u>5" + B dark/reddish silt loam</u> <u>depth ~ 5-8" in many places. Many rocks</u></p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input checked="" type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input checked="" type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
<p>27. Comments:</p> <p><u>Came to find a possible seepage forest. Site is a slightly enriched NH forest (not a "Rich NH")</u> <u>Size of area that is enriched is unknown</u></p>	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input checked="" type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (>1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>

C. Vegetation Description

Total Tree Cover 90 %

t.	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (< 1m)				
over		20m 45%	15m 20%	3m 25%		20%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
T2	<i>Arisaema triphyllum</i>	+
	<i>Carbohyllum thalictroides</i>	+
	<i>Acer sac</i>	4
	<i>Frag amer</i>	2
	<i>Betula alleg</i>	1
T3	<i>Fagus grand</i>	1
	<i>Acer sac</i>	2
	<i>Fagus grand</i>	2
S1	<i>Fagus grand</i>	2
	<i>Ulmus alnitinus</i>	1
Cover Class	r	<1% rare
	+	<1% occs
	1	1-5%
	2	6-25%
	3	26-50%
4	51-75%	
5	76-100%	
	<i>Dryopteris intermedia</i>	1
	<i>Polystichum acrostichoides</i>	1
	<i>Laportea canadensis</i>	+
	<i>Hypoxis lucidula</i>	+

Community Ranking

Size of community (acres): _____

How was size determined? _____

Old Growth: Yes/No (>180 years, generally) No

Current Condition of Community (check one):	Landscape Quality (check one):
<input checked="" type="radio"/> 1=great, no signs of anthropogenic disturbance, no exotics, etc.	<input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
<input type="radio"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc.	<input type="radio"/> 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
<input type="radio"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	<input type="radio"/> 3=surrounded by fragmented forest, agricultural land or rural development
	<input type="radio"/> 4=surrounding area intensely developed

EO RANK: _____

Justification: _____



Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): early successional Spruce-Fir Swamp

2. Polygon Code: _____ 3. ^{PLOT} ~~NO~~ Type Code: CA 77 4. Quad name(s): Bolton mts

5. Survey site name: Greg Hill Area 6. District: _____ 7. UTM Zone _____

8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 132208

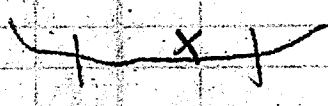
10. County name(s): Wash. 11. Town: Waterbury

12. Location: UTM FILE 091214A UTM 680198E 1916121N
South of east arm of Wat. Res. North of powerlines

13. Survey date: 9.12.04 14. Surveyors Michael Lee-Smith

15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input checked="" type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation _____</p> <p>18. Slope Degrees _____</p> <p>19. Slope Aspect _____</p> <p>20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input checked="" type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
<p>27. Comments:</p>	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input checked="" type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p>____ % Bedrock ____ % Large Rocks (>10cm) ____ % Small rocks (<10cm) ____ % Sand ____ % Bare soil ____ % Litter, duff ____ % Wood (> 1 cm) ____ % Water ____ % Other _____</p>

Early successional Spruce-Fir Swamp. Looks like beaver
had flooded area. Some pockets of SF remaining but
mostly annuals. A lot of Spruce/Fir/R. Maple colonizing

C. Vegetation Description

Total Tree Cover 36 %

	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (< 1m)				
t.		15m	8m	4m	1m	1m	20%		
over		15%	10%	10%	5%	90%	25%		

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
T2	<i>Picea rubens</i>	2
	<i>Abies balsamea</i>	2
T3	<i>Acer rubrum</i>	1
	<i>Abies bals</i>	1
	<i>Picea rubens</i>	1
S2	<i>Rubus idaeus</i>	2
S1 1-5m	<i>Abies bals</i>	2
H	<i>Carex crinita</i>	2
	<i>Equis sylv</i>	1
	<i>Impatiens capensis</i>	1
	<i>Scirpus cyperinus</i>	1

Cover Class
r < 1% rare
+ < 1% occs
1 1-5 %
2 6-25 %
3 26-50 %
4 51-75 %
5 76-100 %

Community Ranking

Size of community (acres): _____

How was size determined? _____

Old Growth: Yes/No (>180 years, generally) _____

Current Condition of Community (check one):	Landscape Quality (check one):
<input checked="" type="radio"/> 1=great, no signs of anthropogenic disturbance, no exotics, etc.	<input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
<input type="radio"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc.	<input type="radio"/> 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
<input type="radio"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	<input type="radio"/> 3=surrounded by fragmented forest, agricultural land or rural development
	<input type="radio"/> 4=surrounding area intensely developed

EO RANK: _____

Justification: _____

Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): Lowland Spruce-Fir Forest

2. Polygon Code: 3-NC ^{PLOT} Type Code: CA 78 4. Quad name(s): Bolton Mtn

5. Survey site name: Greasy Hill Area 6. District: _____ 7. UTM Zone _____

8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 132208

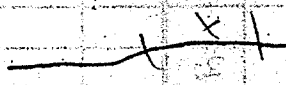
10. County name(s): Wash. 11. Town: Waterbury

12. Location: File R091214B UTM 080108E 1916104N
south of east arm of Wat. Res. dirt north of powerlines

13. Survey date: 9.12.00 14. Surveyors: Michael Lew Smith

15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope</p> <p><input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope</p> <p><input type="checkbox"/> High Level <input type="checkbox"/> Low Slope</p> <p><input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope</p> <p><input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall</p> <p><input type="checkbox"/> Other <input checked="" type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation _____</p> <p>18. Slope Degrees _____</p> <p>19. Slope Aspect _____</p> <p>20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam</p> <p><input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay</p> <p><input type="checkbox"/> Loam <input type="checkbox"/> Peat</p> <p><input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck</p> <p><input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1%</p> <p><input type="checkbox"/> Moderately stony 0.1-1%</p> <p><input type="checkbox"/> Stony 3-15%</p> <p><input type="checkbox"/> Very Stony 15-50%</p> <p><input type="checkbox"/> Exceedingly stony 50-90%</p> <p><input type="checkbox"/> Stone piles >90%</p>
<p>27. Comments:</p>	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained</p> <p><input type="checkbox"/> Well Drained</p> <p><input type="checkbox"/> Moderately Well Drained</p> <p><input type="checkbox"/> Somewhat Poorly Drained</p> <p><input type="checkbox"/> Poorly Drained</p> <p><input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock</p> <p><input type="checkbox"/> % Large Rocks (>10cm)</p> <p><input type="checkbox"/> % Small rocks (<10cm)</p> <p><input type="checkbox"/> % Sand</p> <p><input type="checkbox"/> % Bare soil</p> <p><input type="checkbox"/> % Litter, duff</p> <p><input type="checkbox"/> % Wood (> 1 cm)</p> <p><input type="checkbox"/> % Water</p> <p><input type="checkbox"/> % Other _____</p>

Stand is slightly raised up from adjacent SF swamp (early succession). Fairly flat. Somewhat different from the higher elev. SF-A11 type.

C. Vegetation Description

Total Tree Cover 80 %

	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (<1m)				
t.		20m	10m	1m	7	1/2m			
over		80%	5%	15%		70%	5%		

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class	Notes
T2	<i>Picea rubens</i>	3	
	<i>Acer rubrum</i>	3	
T3	<i>Acer rubrum</i>	1	
	<i>Picea rubens</i>	1	
S2 1-3m	<i>Picea rubens</i>	2	
	<i>Tsuga canadensis</i>	1	
	<i>Betula allegh</i>	+	
H	<i>Cephaelis groen</i>	+	
	<i>Juncus punct.</i>	3	
	<i>Lycopodium obscur</i>	+	
	<i>Asplenium cinn</i>	2	
N	<i>Pteridium aquilinum</i>	+	
	<i>Polypodium cf. commune</i>	+	
	<i>Hypnum</i> sp.	+	

Cover Class	
r	<1% rare
+	<1% occs
1	1-5%
2	6-25%
3	26-50%
4	51-75%
5	76-100%

Community Ranking

Size of community (acres):	
How was size determined?	
Old Growth: Yes/No (>180 years, generally)	
Current Condition of Community (check one):	Landscape Quality (check one):
<input checked="" type="radio"/> 1=great, no signs of anthropogenic disturbance, no exotics, etc.	<input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
<input type="radio"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc.	<input type="radio"/> 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
<input type="radio"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	<input type="radio"/> 3=surrounded by fragmented forest, agricultural land or rural development
	<input type="radio"/> 4=surrounding area intensely developed
EO RANK:	
Justification:	

Vermont State Lands Rapid Community Assessment Form

poly ID 471

6/2000

A. Identifiers

1. Community name (SNAME): Emergent Marsh - Beaver influenced

2. Polygon Code: 47 3. ~~NET~~ ^{PLOT} Type Code: CA 79 4. Quad name(s): Bolton Mtn

5. Survey site name: Greg Hill Area 6. District: _____ 7. UTM Zone _____

8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 132208


10. County name(s): Wash. 11. Town: Waterbury

12. Location: File 091214C UTM 680221E 4916053N
South of east arm of Wat. Res. just north of powerlines

13. Survey date: 9.12.00 14. Surveyors: MCS

15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input checked="" type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation _____</p> <p>18. Slope Degrees <u>7</u></p> <p>19. Slope Aspect <u>L</u></p> <p>20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
<p>27. Comments:</p>	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p> <p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (>1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>	

old beaver flooding. some standing dead trees. Very little tree recognition. old beaver dam 200' W of point, north of which is early succ. SF swamp. This area much wetter so fewer tree/shrub recognition

Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): Seepage NA Forest

2. Polygon Code: _____ 3. ^{PLOT}~~NCT~~ Type Code: CA 81 4. Quad name(s): Bolton Mtn

5. Survey site name: Woodward Hill 6. District: _____ 7. UTM Zone _____

8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: _____

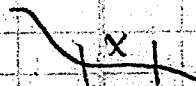
10. County name(s): Wash. 11. Town: Waterbury

12. Location: GPS Reading NA
? probably off of state land?

13. Survey date: 9.18.00 14. Surveyors MLS

15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation <u>~2000</u></p> <p>18. Slope Degrees <u>8°</u></p> <p>19. Slope Aspect <u>S</u></p> <p>20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p> <p style="text-align: center;"><u>NA</u></p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay-Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input checked="" type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>	

27. Comments:

Seepage area below Woodward Hill rock outcrop on SE side. Fairly narrow band topographically defined. Sparse tree layer & shrub layer. Very open. Probably only slightly wetter than surrounding forest. Receives runoff from steep slope above.

C. Vegetation Description

Total Tree Cover 50 %

	Trees			Shrubs		Herbaceou	Nonvascular	Epiphyte	Vine
	1Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (<1m)				
t.		20m	10m	A	Y _{2m}				
over		50%	10%		25%	80%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
T2	Acer sac	3
	Fagus grand	2
	Tilia americana	2
H	Laportea canadensis	2
	Mulleum straphioides	1
	Athyrium filix-femina	1
	Carex cf. proserpin	1
	Dryopteris sp.	+
T3	Acer sac	2
	Caulophyllum thalictroides	1
S2	Rubus laevis	1
	Acer sac	2

Community Ranking

Size of community (acres): _____

How was size determined? ?

Old Growth: Yes/No (>180 years, generally)

Current Condition of Community (check one):	Landscape Quality (check one):
<input checked="" type="radio"/> 1=great, no signs of anthropogenic disturbance, no exotics, etc.	<input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
<input type="radio"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc.	<input type="radio"/> 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
<input type="radio"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	<input type="radio"/> 3=surrounded by fragmented forest, agricultural land or rural development
	<input type="radio"/> 4=surrounding area intensely developed

EO RANK: _____

Justification: _____

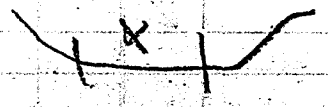
Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): Red Maple Swamp
 2. Polygon Code: _____ 3. ^{Plot}NE Type Code: CA 80 4. Quad name(s): Bolton MA
 5. Survey site name: Cotton Brook 6. District: _____ 7. UTM Zone _____
 8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 132212
 10. County name(s): Wash. 11. Town: Waterbury
 12. Location: File 2091218A UTM 678440E 4921645N
Up logging road across from hay shed to where stream crosses follow stream
 13. Survey date: 9.12.00 14. Surveyors: MRS up to headquarters
 15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> 	<p>17. Elevation _____</p> <p>18. Slope Degrees <u> </u></p> <p>19. Slope Aspect <u> </u></p> <p>20. Parent Material: <u>peat</u></p>
<p>21. Soil Profile Description:</p> <p><u>see release</u></p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input checked="" type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>
<p>27. Comments: <u>Vegetation plot conducted in polygon</u></p>		

C. Vegetation Description

Total Tree Cover 30%

t.	Trees			Shrubs		Herbaceou	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (<1m)				
over		10-15m		5m		low			
		80%		15%		95%	80%		

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class	Strata	Species	Cover Class
T2	Acer rubrum	2	N	Sorbus canadensis	3
	Betula allegh	2		Opulus sp.	2
	Picea rubens	1		Callerya cordata	1
S1	Acer rubrum	2			
	Picea rubens	2			
H	Osmunda cinn	3			
	Asplen. sensibile	2			
	Impatiens capensis	1			
					Cover Class
					r < 1% rare
					+ < 1% occs
					1 1-5 %
					2 6-25 %
					3 26-50 %
					4 51-75 %
					5 76-100 %

Community Ranking

Size of community (acres):	
How was size determined?	
Old Growth: Yes/No (>180 years, generally)	
Current Condition of Community (check one):	
<input checked="" type="radio"/> 1=great, no signs of anthropogenic disturbance, no exotics, etc. <input type="radio"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc. <input type="radio"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	Landscape Quality (check one): <input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities <input type="radio"/> 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby <input type="radio"/> 3=surrounded by fragmented forest, agricultural land or rural development <input type="radio"/> 4=surrounding area intensely developed
EO RANK:	
Justification:	

Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): Rich NH

2. Polygon Code: _____ 3. ~~NS~~ ^{PLOT} Type Code: CA 82 4. Quad name(s): Bolton Mtn

5. Survey site name: Woodward Hill 6. District: _____ 7. UTM Zone _____

8. UTM N _____ UTM E _____ 9. Orthophoto Number and Year: 124208

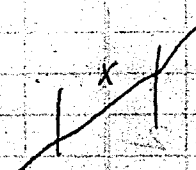
10. County name(s): Wash. 11. Town: Waterbury

12. Location: Along N slope of Woodward Hill
UTM 674366 E 4916950 N

13. Survey date: 9.18.00 14. Surveyors Michael Low Smith

15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p> <input type="checkbox"/> Interfluve <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input checked="" type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>16. Description of Topography:</p> 	<p>17. Elevation <u>900'</u></p> <p>18. Slope Degrees <u>5</u></p> <p>19. Slope Aspect <u>SS</u></p> <p>20. Parent Material: <u>Hill</u></p>
<p>21. Soil Profile Description:</p> <p><u>Loam</u></p>	<p>22. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input checked="" type="checkbox"/> Loam <input type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>23. Stoniness:</p> <p> <input type="checkbox"/> Stone Free < 0.1% <input checked="" type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
	<p>24. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained </p>	<p>25. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>

27. Comments:

A fair amount of rich indicators in this area looks like Rich NH, though fades into enriched NH and NH.

C. Vegetation Description

Total Tree Cover 90 %

	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	T2 Canopy	Subcanopy	1 Tall (> 1m)	S2 Short (< 1m)				
t.		20m	15m	5m	1/4m	1r			
over		70%	70%	15%	25%	15%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
T2	<i>Acer saccharum</i>	4
	<i>Fraxinus americana</i>	2
T3	<i>Acer saccharum</i>	3
	<i>Fagus grandifolia</i>	2
S1	<i>Acer sacc</i>	2
S2	<i>Acer sacc</i>	2
Cover Class Legend	r	< 1% rare
	+	< 1% occs
	1	1-5 %
	2	6-25 %
	3	26-50 %
4	51-75 %	
5	76-100 %	

Community Ranking

Size of community (acres): 3

How was size determined? _____

Old Growth: Yes/No (>180 years, generally)

Current Condition of Community (check one):	Landscape Quality (check one):
<u>1</u> = great, no signs of anthropogenic disturbance, no exotics, etc.	<u>1</u> = surrounded by 1,000+ acres of intact matrix of natural communities
2 = moderate, some signs of anthropogenic disturbance, exotics, etc.	2 = surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3 = poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	3 = surrounded by fragmented forest, agricultural land or rural development
	4 = surrounding area intensely developed

EO RANK: _____

Justification: _____

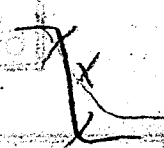
Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): <u>Boreal Calc. Cliff</u> <u>Notes</u>			
2. Polygon Code: <u>205 & 206</u>		3. Plot Number: <u>CA 83</u>	
4. Quad name(s): <u>Bolton WTM</u>			
5. Survey site name: <u>Northwest of Lake Mansfield</u>			
6. ^{or the} Quarter Quad Number: <u>124220</u>		7. Aerial Photo Number: <u>4201-129</u>	
7. County name(s): <u>Lainville</u>		8. Town: <u>Stowe</u>	
9. Location: <u>Cliffs NW of Lake Mansfield</u>			
10. Survey date: <u>9.19.00</u>		11. State: <u>VT</u>	12. Surveyors: <u>MCS</u>

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope</p> <p><input checked="" type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope</p> <p><input type="checkbox"/> High Level <input type="checkbox"/> Lowslope</p> <p><input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope</p> <p><input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall</p> <p><input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation: <u>~1900'</u></p> <p>16. Slope Degrees: <u>90°</u></p> <p>17. Slope Aspect: <u>NW</u></p> <p>18. Parent Material: <u>?</u></p>
<p>19. Soil Profile Description:</p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam</p> <p><input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay</p> <p><input type="checkbox"/> Loam <input type="checkbox"/> Peat</p> <p><input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck</p> <p><input type="checkbox"/> Other: <u>Bedrock</u></p>	<p>21. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1%</p> <p><input type="checkbox"/> Moderately stony 0.1-1%</p> <p><input type="checkbox"/> Stony 3-15%</p> <p><input type="checkbox"/> Very Stony 15-50%</p> <p><input type="checkbox"/> Exceedingly stony 50-90%</p> <p><input type="checkbox"/> Stone piles > 90%</p>
	<p>22. Soil Drainage</p> <p><input checked="" type="checkbox"/> Rapidly Drained</p> <p><input type="checkbox"/> Well Drained</p> <p><input type="checkbox"/> Moderately Well Drained</p> <p><input type="checkbox"/> Somewhat Poorly Drained</p> <p><input type="checkbox"/> Poorly Drained</p> <p><input type="checkbox"/> Very Poorly Drained</p>	<p>23. Unvegetated Surface:</p> <p><u>95</u> % Bedrock</p> <p><input type="checkbox"/> % Large Rocks (>10cm)</p> <p><input type="checkbox"/> % Small rocks (<10cm)</p> <p><input type="checkbox"/> % Sand</p> <p><input type="checkbox"/> % Bare soil</p> <p><input type="checkbox"/> % Litter, duff</p> <p><input type="checkbox"/> % Wood (> 1 cm)</p> <p><input type="checkbox"/> % Water</p> <p><input type="checkbox"/> % Other</p>
<p>24. Environmental Comments:</p> <p>too Did survey for RTE along base of cliff ± entire accessible area. Many areas mid & high cliff that did not get surveyed. Lvs selago found on northern end of cliffs only.</p>		
<p>25. Plot representativeness:</p>		

C. Vegetation Description

Total Tree Cover %

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy		
T3 Tree Sub-canopy		
S1 Tall Shrub		
S2 Short Shrub		
H Herbaceous		
N Non-vascular		
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres):
How was size determined?
Current Condition of Community (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.
2=moderate, some signs of anthropogenic disturbance, exotics, etc.
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
1=surrounded by 1,000+ acres of intact matrix of natural communities
2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=surrounded by fragmented forest, agricultural land or rural development
4=surrounding area intensely developed
Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

		<i>Carax lasiocarpa</i>	
		<i>Ribes pubescens</i>	
		<i>Picea rubens</i>	
		<i>Acer pensy.</i>	
		<i>Clintonia borealis</i>	
		<i>Ribes sp.</i>	
		<i>Cystopteris fragilis</i>	
		<i>Lycia selago</i> : at least 3 shrubs	
		growing along cliff in base	
		debris of pleur schr. May be	
		others, higher up	
		<i>Thelypteris phegopteris</i>	
		<i>Polypodium virginicum</i>	
		<i>Sorbus americana</i>	
		<i>Betula alleghaniensis</i>	
		<i>Dryopteris campyloptera</i>	
		<i>Aster acuminatus</i>	
		<i>Carax canescens</i>	
		<i>Calamagrostis canadensis</i>	
		<i>Lycopodium lucidulum</i>	
		of <i>Lycopodium Selago</i>	
		<i>Coptis trifolia</i>	
		<i>Diervilla lonicera</i>	
		<i>Aquilegia canadensis</i>	
		<i>Adiantum marginatum</i>	
		<i>Cinna latifolia</i>	

Cover Scale	
r	<1% rare
+	<1% occ
1	1-5%
2	5-25%
3	26-50%
4	51-75%
5	76-100%

Mt. Mansfield Community Assessment Form

A. Identifiers

8/99

1. Community name (SNAME): <u>Sedge Meadow? Beaver influenced</u>		
2. Polygon Code: _____	3. Plot Number: <u>CA 84</u>	4. Quad name(s): <u>Barton Mtn</u>
5 Survey site name: <u>Nebraska Notch</u>		
6. Quarter Quad Number: <u>124220</u>	7. Aerial Photo Number: <u>4201-129</u>	
7. County name(s): <u>Lamoille</u>	8. Town: <u>Stowe</u>	
9. Location: <u>Beaver flooding along the long trail south of Taylor Lodge</u>		
10. Survey date: <u>9.20.00</u>	11. State: <u>VT</u>	12. Surveyors: <u>MCS</u>

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input checked="" type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p>	<p>15. Elevation: <u>~2000'</u></p> <p>16. Slope Degrees: <u>~</u></p> <p>17. Slope Aspect: <u>---</u></p> <p>18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p> <p><u>± deep peat</u></p>	<p>20. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>21. Stoniness:</p> <p> <input checked="" type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
	<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input checked="" type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>

24. Environmental Comments:

Beaver flooding. South part remains open water though sedges & sphagnum creeping north. Many standing dead trees - conifers & birch. East part has many more birch seedlings. Site probably succeeding to a shrub/forest type. (Similar to the beaver pond due north of here) RTE conducted.

25. Plot representativeness:

→ slight lag of *Glyceria canadensis* et al.

C. Vegetation Description

Total Tree Cover 1 %

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy		
T3 Tree Sub-canopy		
S1 Tall Shrub		
S2 Short Shrub	1m	10%
H Herbaceous	1m	80% ^b
N Non-vascular		90%
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres):
How was size determined?
Current Condition of Community (check one):
<input checked="" type="radio"/> 1=great, no signs of anthropogenic disturbance, no exotics, etc.
<input type="radio"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc.
<input type="radio"/> 3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
<input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
<input type="radio"/> 2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
<input type="radio"/> 3=surrounded by fragmented forest, agricultural land or rural development
<input type="radio"/> 4=surrounding area intensely developed
Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

Stratum	Species	Cover Scale
S2	<i>Betula alleghaniensis</i>	2
	<i>Spirea tomentosa</i>	+
H	<i>Carex vesicaria</i>	4
	<i>Triadenum fraseri</i>	1
	<i>Viola</i> sp.	+
	<i>Viola</i> sp.	+
N	<i>Sphagnum</i> cf. <i>papillosum</i>	2
	<i>Sphagnum</i> cf. <i>majus</i>	2
	<i>Sphagnum</i> cf. <i>recurvum</i> s!	1
	<i>Polypodium striatum</i>	+
		Cover Scale
		r < 1% rare
		+ < 1% occs
		1 1-5%
		2 5-25%
		3 26-50%
		4 51-75%
		5 76-100%


Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): <u>SF Lowland?</u>	
2. Polygon Code: _____	3. Plot Number: <u>CA 85</u>
4. Quad name(s): <u>Starling Mtn</u>	
5. Survey site name: <u>French Hill</u>	
6. Quarter ^{or the} Quad Number: <u>36232 1228</u>	
7. Aerial Photo Number: <u>?</u>	
7. County name(s): <u>Lamoille</u>	
8. Town: <u>Johnson</u>	
9. Location: <u>File RO92119A</u>	
<u>JTM 684678 E 4939812N East of Walton Road near bandery</u>	
10. Survey date: <u>9.21.00</u>	11. State: <u>VT</u>
12. Surveyors <u>MLS</u>	

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope</p> <p><input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope</p> <p><input type="checkbox"/> High Level <input type="checkbox"/> Lowslope</p> <p><input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope</p> <p><input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall</p> <p><input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation <u>360m</u></p> <p>16. Slope Degrees <u>—</u></p> <p>17. Slope Aspect <u>—</u></p> <p>18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p> <p><u>Dark loam</u></p> <p><u>Soil to ± 10 in.</u></p>	<p>20. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam</p> <p><input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay</p> <p><input checked="" type="checkbox"/> Loam <input type="checkbox"/> Peat</p> <p><input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck</p> <p><input type="checkbox"/> Other _____</p>	<p>21. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1%</p> <p><input checked="" type="checkbox"/> Moderately stony 0.1-1%</p> <p><input type="checkbox"/> Stony 3-15%</p> <p><input type="checkbox"/> Very Stony 15-50%</p> <p><input type="checkbox"/> Exceedingly stony 50-90%</p> <p><input type="checkbox"/> Stone piles >90%</p>
<p>22. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained</p> <p><input type="checkbox"/> Well Drained</p> <p><input checked="" type="checkbox"/> Moderately Well Drained</p> <p><input type="checkbox"/> Somewhat Poorly Drained</p> <p><input type="checkbox"/> Poorly Drained</p> <p><input type="checkbox"/> Very Poorly Drained</p>	<p>23. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock</p> <p><input type="checkbox"/> % Large Rocks (>10cm)</p> <p><input type="checkbox"/> % Small rocks (<10cm)</p> <p><input type="checkbox"/> % Sand</p> <p><input type="checkbox"/> % Bare soil</p> <p><input type="checkbox"/> % Litter, duff</p> <p><input type="checkbox"/> % Wood (> 1 cm)</p> <p><input type="checkbox"/> % Water</p> <p><input type="checkbox"/> % Other _____</p>	
<p>24. Environmental Comments:</p> <p><u>RO92117C is boundary of this polygon w/ SF swamp.</u></p> <p><u>May be succeeding to a Hemlock Forest given the</u></p> <p><u>shrub layers. Old pasture?</u></p>		
<p>25. Plot representativeness:</p> <p><u>Some areas w/ a lot less hemlock</u></p>		

C. Vegetation Description

Total Tree Cover 80 %

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy	20m	80%
T3 Tree Sub-canopy	18m	20%
S1 Tall Shrub	3m	25%
S2 Short Shrub	1m	15%
H Herbaceous	1/2m	50%
N Non-vascular		
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres):
How was size determined?
Current Condition of Community (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.
<input checked="" type="checkbox"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc.
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
<input checked="" type="checkbox"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=surrounded by fragmented forest, agricultural land or rural development
4=surrounding area intensely developed
Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

Stratum	Species	Rank	Cover Scale
T2	<i>Abies balsamea</i>	3	
	<i>Picea rubens</i>	3	
	<i>Tsuga canadensis</i>	2	
	<i>Betula papyrifera</i>	1	
T3	<i>Tsuga canadensis</i>	2	
	<i>Abies balsamea</i>	1	
	<i>Picea rubens</i>	1	
S1	<i>Acer pensy</i>	2	
	<i>Tsuga cana</i>	2	
S2	<i>Tsuga canadensis</i>	2	

Cover Scale	
r	<1% rare
+	<1% occs
1	1-5 %
2	5-25 %
3	26-50 %
4	51-75 %
5	76-100 %

Mt. Mansfield Community Assessment Form

A. Identifiers

8/99

1. Community name (SNAME): Early Succ. RM Swamp? or Shrub Swamp
 2. Polygon Code: _____ 3. Plot Number: CA 86 4. Quad name(s): Sterling Mtn
 5. Survey site name: Cape Hill
 6. ~~Quarter~~ Quad Number: 136232 7. Aerial Photo Number: ?
 8. County name(s): Lamotte 8. Town: Johnson
 9. Location: R 29217B ✓ East of Waltham Rd & Powerlines
684489E 4939737N
 10. Survey date: 9.21.00 11. State: VT 12. Surveyors: MRS

B. Environmental Description

<p>13. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Lowslope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>14. Topographic Sketch:</p> <p style="text-align: center; font-size: 1.5em;"><u>R 092116A ✓</u></p>	<p>15. Elevation <u>360 m</u></p> <p>16. Slope Degrees <u>1</u></p> <p>17. Slope Aspect <u>---</u></p> <p>18. Parent Material:</p> <p>Free < 0.1% Slightly stony 0.1-1% 3-15% Stony 15-50% Highly stony 50-90% Piles > 90%</p> <p>Vegetated Surface: <input type="checkbox"/> Bedrock <input type="checkbox"/> Large Rocks (>10cm) <input type="checkbox"/> Small rocks (<10cm) <input type="checkbox"/> Sand <input type="checkbox"/> Bare soil <input type="checkbox"/> Litter, duff <input type="checkbox"/> % Wood (>1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>
<p>19. Soil Profile Description:</p>	<p>20. <u>Small herb matted above</u> <u>Successional matted - Fresh Hill</u> <u>May be lumped in 17a</u> <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input checked="" type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	

24. Environmental Comments:

Some parts of polygon up trees. Probably too wet? Most of polygon w/ scattered Salix, Acer, Populus. Seems early successional but for unknown reasons. Not in landscape position that would suggest beavers. SF Swamp adjacent, but little - no conifers colonizing. Looks more like RM early successional

25. Plot representativeness: Western end has many more trees
→ mainly aspen.

Vermont State Lands Rapid Community Assessment Form

6/2000

A. Identifiers

1. Community name (SNAME): Seepage

2. Polygon Code: _____ 3. ~~NC~~ Type Code: CA 88 4. Quad name(s): Barton Mtn.

5. Survey site name: Woodward Hill Seepage 6. District: _____ 7. UTM Zone 18T

8. UTM N 9916473 - UTME 676153 9. Orthophoto Number and Year: 128208

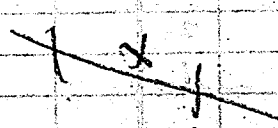
10. County name(s): Wash 11. Town: Waterbury

12. Location: Past gate near stone walls
Boundaries R092215A and R092215C plot center R092215E

13. Survey date: 9.22.00 14. Surveyors MCS

15. Comments: _____

B. Environmental Description

<p>15. Topographic Position</p> <p><input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input checked="" type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor</p>	<p>16. Description of Topography:</p> <p style="text-align: center;"></p>	<p>17. Elevation _____</p> <p>18. Slope Degrees <u>8°</u></p> <p>19. Slope Aspect <u>SE</u></p> <p>20. Parent Material: _____</p>
<p>21. Soil Profile Description:</p> <p><u>3-4" peat over rock and a thin layer of gravel.</u></p>	<p>22. Average Soil Texture</p> <p><input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____</p>	<p>23. Stoniness:</p> <p><input type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90%</p>
	<p>24. Soil Drainage</p> <p><input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input checked="" type="checkbox"/> Poorly Drained <input type="checkbox"/> Very Poorly Drained</p>	<p>25. Unvegetated Surface:</p> <p><input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____</p>
<p>27. Comments:</p> <p><u>old stone wall & cellar hole nearby. old apple trees persist in seepage area. wet. Very interesting & floristically diverse seep. Did a cursory scan for ROTE species & found none, though it is late in the season.</u></p> <p><u>Apple trees make good deer area.</u></p>		

C. Vegetation Description

Total Tree Cover %

t.	Trees			Shrubs		Herbaceous	Nonvascular	Epiphyte	Vine
	1 Emergent	2 Canopy	Subcanopy	S1 Tall (>1m)	S2 Short (<1m)				
over				4m 16%	1m 25%	1m 90%			

Dominant Species and their cover class for each strata (T1, T2, T3, S1, S2, H, N, E, V)

Strata	Species	Cover Class
S1	<i>Salix of bebbii</i>	1
S1	<i>Malus sp</i>	2
S2	<i>Spiraea alba</i>	2
S2	<i>Acer rubrum</i>	1
N	<i>Sphagnum spp.</i>	+
N	<i>Thuidium sp.</i>	+
N	<i>Drepanocladus sp.</i>	+
H	<i>Aster penicellus</i>	1
H	<i>Anemone sensibilibis</i>	3
H	<i>Equisetum sylvaticum</i>	2
H	<i>Glyceria canadensis</i>	+
H	<i>Carex orthocoma</i>	+
H	<i>Carex of tribuloides</i>	+

Community Ranking

Size of community (acres):	
How was size determined?	
Old Growth: Yes/No (>180 years, generally)	
Current Condition of Community (check one):	Landscape Quality (check one):
1=great, no signs of anthropogenic disturbance, no exotics, etc.	<input checked="" type="radio"/> 1=surrounded by 1,000+ acres of intact matrix of natural communities
<input checked="" type="radio"/> 2=moderate, some signs of anthropogenic disturbance, exotics, etc.	2=surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3=poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.	3=surrounded by fragmented forest, agricultural land or rural development
	4=surrounding area intensely developed
EO RANK:	
Justification:	

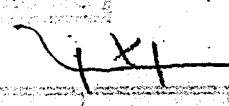
Mt. Mansfield Community Assessment Form

A. Identifiers

8/99

1. Community name (SNAME): Willow Swamp (not alluvial) Shrub Swamp
 2. Polygon Code: _____ 3. Plot Number: CA-89 4. Quad name(s): _____
 5. Survey site name: French Hill
 6. Quarter Quad Number: 136232 & 228 7. Aerial Photo Number: ?
 8. County name(s): Lamoille 8. Town: Johnson
 9. Location: Plt R092618A UTM 684260E 4939509 N
Roads R092617C ✓ Just west of Walton Rd.
 10. Survey date: 9.26.00 11. State: VT 12. Surveyors MLS

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation _____</p> <p>16. Slope Degrees _____</p> <p>17. Slope Aspect _____</p> <p>18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p> <p><u>~ 20" H7-H8</u> <u>peat over clay</u></p>	<p>20. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input type="checkbox"/> Loam <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other _____ </p>	<p>21. Stoniness:</p> <p> <input checked="" type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
	<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input checked="" type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other _____ </p>
<p>24. Environmental Comments:</p> <p><u>may be succeeding to SF or RM swamp.</u> <u>mostly a topographically defined swamp.</u></p>		
<p>25. Plot representativeness: <u>good.</u></p>		

C. Vegetation Description

Total Tree Cover _____ %

Community Ranking

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy		
T3 Tree Sub-canopy		
S1 Tall Shrub	5m	60%
S2 Short Shrub		
H Herbaceous	1m	90%
N Non-vascular		40%
E Epiphyte		
V Vine/liana		

Size of community (acres):
How was size determined?
Current Condition of Community (check one):
1= great, no signs of anthropogenic disturbance, no exotics, etc.
2= moderate, some signs of anthropogenic disturbance, exotics, etc.
3= poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
1= surrounded by 1,000+ acres of intact matrix of natural communities
2= surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
3= surrounded by fragmented forest, agricultural land or rural development
4= surrounding area intensely developed
Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

Stratum	Species	Rank	Cover Scale
S1	<i>Salix sp. babbi</i>	3	
	<i>Populus tremuloides</i>	2	
	<i>Salix patula</i>	2	
	<i>Acer rubrum</i>	1	
H	<i>Onoclea sens.</i>	2	
	<i>Impatiens capensis</i>	2	
	<i>Aster umbellatus</i>	1	
	<i>Rhus glabra</i>	+	
	<i>Galium sp.</i>	+	
	<i>Equisetum arvense</i>	1	
	<i>Aster princeps</i>	+	
	<i>Carex crinita</i>	1	
	N	<i>Theridion sp.</i>	2
<i>Climacium dendroides</i>		2	

Cover Scale	Description
r	< 1% rare
+	< 1% occs
1	1-5 %
2	5-25 %
3	26-50 %
4	51-75 %
5	76-100 %

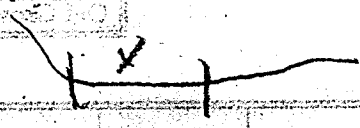
Mt. Mansfield Community Assessment Form

8/99

A. Identifiers

1. Community name (SNAME): <u>Fed Space - Hardwood Swamp</u>			
2. Polygon Code: _____	3. Plot Number: <u>CA 90</u>	4. Quad name(s): <u>Sterling Mtn.</u>	
5. Survey site name: <u>French Hill</u>			
6. ^{ortho} Quarter Quad Number: <u>136232 1228</u>		7. Aerial Photo Number: <u>?</u>	
8. County name(s): <u>Lamoille</u>		8. Town: <u>Johnson</u>	
9. Location: <u>Plot = R092617B UTM 684207E 4939557N</u>			
<u>Bandarics R092617A ✓</u>			
10. Survey date: <u>9.26.00</u>	11. State: <u>VT</u>	12. Surveyors: <u>MLS</u>	

B. Environmental Description

<p>13. Topographic Position</p> <p> <input type="checkbox"/> Interfluvial <input type="checkbox"/> Backslope <input type="checkbox"/> High Slope <input type="checkbox"/> Step in Slope <input type="checkbox"/> High Level <input type="checkbox"/> Low slope <input type="checkbox"/> Midslope <input checked="" type="checkbox"/> Toeslope <input type="checkbox"/> Low Level <input type="checkbox"/> Channel Wall <input type="checkbox"/> Other <input type="checkbox"/> Basin Floor </p>	<p>14. Topographic Sketch:</p> 	<p>15. Elevation: _____</p> <p>16. Slope Degrees: <u>1</u></p> <p>17. Slope Aspect: <u>1</u></p> <p>18. Parent Material: _____</p>
<p>19. Soil Profile Description:</p> <p><u>20" H7-H8</u> <u>peat over dense clay</u></p>	<p>20. Average Soil Texture</p> <p> <input type="checkbox"/> Sand <input type="checkbox"/> Clay Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Clay <input checked="" type="checkbox"/> Loam <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Silt Loam <input type="checkbox"/> Muck <input type="checkbox"/> Other: _____ </p>	<p>21. Stoniness:</p> <p> <input checked="" type="checkbox"/> Stone Free < 0.1% <input type="checkbox"/> Moderately stony 0.1-1% <input type="checkbox"/> Stony 3-15% <input type="checkbox"/> Very Stony 15-50% <input type="checkbox"/> Exceedingly stony 50-90% <input type="checkbox"/> Stone piles >90% </p>
	<p>22. Soil Drainage</p> <p> <input type="checkbox"/> Rapidly Drained <input type="checkbox"/> Well Drained <input type="checkbox"/> Moderately Well Drained <input type="checkbox"/> Somewhat Poorly Drained <input type="checkbox"/> Poorly Drained <input checked="" type="checkbox"/> Very Poorly Drained </p>	<p>23. Unvegetated Surface:</p> <p> <input type="checkbox"/> % Bedrock <input type="checkbox"/> % Large Rocks (>10cm) <input type="checkbox"/> % Small rocks (<10cm) <input type="checkbox"/> % Sand <input type="checkbox"/> % Bare soil <input type="checkbox"/> % Litter, duff <input type="checkbox"/> % Wood (> 1 cm) <input type="checkbox"/> % Water <input type="checkbox"/> % Other: _____ </p>
<p>24. Environmental Comments:</p> <p><u>Nice little swamp. No signs of recent logging</u> <u>Canopy composition variable.</u> <u>Needs RTE survey. Good pop. of Platytheca hyperborea</u></p>		
<p>25. Plot representativeness: <u>good.</u></p>		

C. Vegetation Description

Total Tree Cover 70 %

	Height	% Cover
T1 Emergent Tree		
T2 Tree Canopy	18m	70%
T3 Tree Sub-canopy	8m	15%
S1 Tall Shrub	2m	20%
S2 Short Shrub		
H Herbaceous	1/2m	76%
N Non-vascular		50%
E Epiphyte		
V Vine/liana		

Community Ranking

Size of community (acres):
How was size determined?
Current Condition of Community (check one):
<input checked="" type="radio"/> 1= great, no signs of anthropogenic disturbance, no exotics, etc.
<input type="radio"/> 2= moderate, some signs of anthropogenic disturbance, exotics, etc.
<input type="radio"/> 3= poor, obvious signs of anthropogenic disturbance, lots of exotics, etc.
Landscape Quality (check one):
<input checked="" type="radio"/> 1= surrounded by 1,000+ acres of intact matrix of natural communities
<input type="radio"/> 2= surrounded by forest or undisturbed communities but there may be developed land or clearcutting nearby
<input type="radio"/> 3= surrounded by fragmented forest, agricultural land or rural development
<input type="radio"/> 4= surrounding area intensely developed
Old Growth: Yes/No (>180 years, generally)

Dominant Species in each strata

Strata	Species	Rank	Cover Scale
T2	<i>Abies bals</i>	3	
	<i>Tsuga cana</i>	2	
	<i>Acer rubrum</i>	2	
T3	<i>Frax amer</i>	2	
	<i>Acer rubrum</i>	1	
	<i>Abies bals</i>	2	
S1	<i>Abies bals</i>	1	
	<i>Picea rubens</i>	1	
	<i>Betula allea</i>	2	
	<i>Tsuga cana</i>	1	
	<i>Acer rubrum</i>	1	
H	<i>Osmu cian</i>	2	
	<i>Glyceria melicaria</i>	2	
	<i>Impatiens capensis</i>	2	
	<i>Carex sp</i>	1	
			Cover Scale
			r <1% rare
			+ <1% occs
			1 1-5%
			2 5-25%
			3 26-50%
			4 51-75%
			5 76-100%