COMMUNITY FORM 1: TRANSECT, SITE SURVEY SUMMARY

rev. May, 1998

MA Natural Heritage & Endangered Species Program

A. Identifiers

1.Site name: _____ 2.Survey site name: WML-1

3.Quad name(s) East Lee (1:25,000) 4.Quad code(s): _____ 5.County name(s): Berkshire 6.County code(s): _____

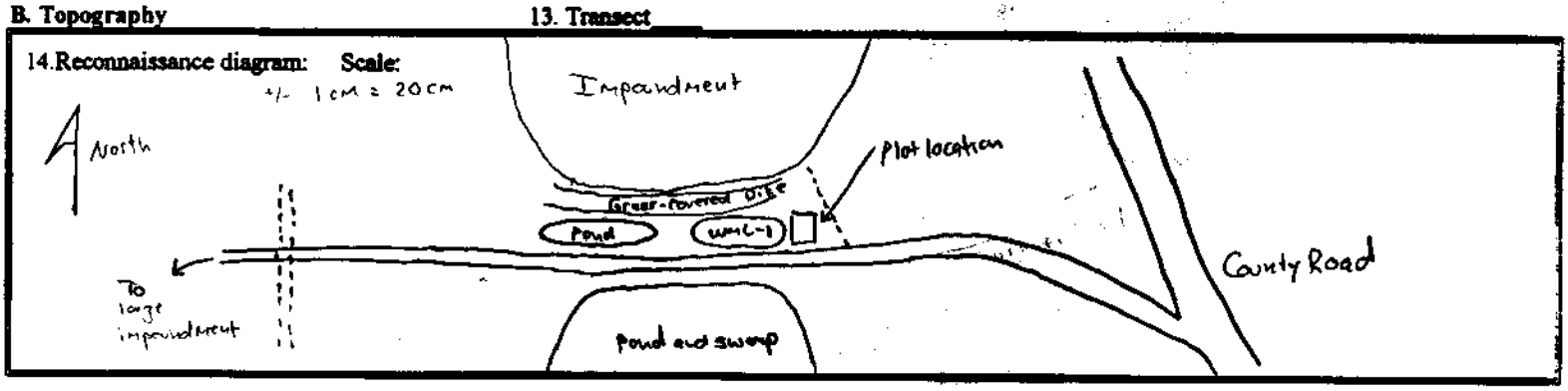
7.Town (LOCALJURIS): Washington 8.Directions: from the Woodland Road, drive east uphill on the October Mountain Road, which becomes the Felton Pond Road and then the County Road. Drive past a 4-way intersection with a field in the south corner to a sharp right (northwest) turn. Drive downhill through upland forest to the first open wetland on the right (north). Plot performed on east side of wetland in conifer/hardwood forest.

9.Sourcecode: _____ 10.Survey date 8 June 2004 1.State: MA

12.Surveyors: Arthur Haines and Kurt Karwoski

B. Topography **13. Transect**

14.Reconnaissance diagram: **Scale:** +/- 1cm = 20cm



C. Vegetation / Habitat

15. Observation point 1___	Observation point 2___	Observation point 3___
16. Community name: Spruce-Fir-Northern hardwood forest 17. Additional data: Site form X form 3 X	Community name: _____ Additional data: Site form___ form 3___	Community name: _____ Additional data: Site form___ form 3___
18.General description (physiognomy, char./dom spp. of tree, shrub, herb, bryophyte layers) Mixed conifer-hardwood forest with an overstory of Picea rubens, Acer rubrum, Prunus serotina, and Abies balsamea. Subcanopy trees are mostly conifer saplings (Abies balsamea) but Acer rubrum and Acer pensylvanicum also common. Shrubs include Corylus cornuta, Viburnum nudum, Viburnum dentatum, and Acer spicatum. Frequent herbs include Brachyelytrum septentrionale, Osmunda claytoniana, Dryopteris intermedia, and Coptis trifolia.	General description	General description:

Reconnaissance Diagram: Scale:

Observation Point 4 ___	Observation Point 5 __	Observation Point 6 __	Observation Point 7 __
Community name:_____ Additional data: Site form ___ form 3___	Community name:_____ Additional data: Site form____ form 3____	Community name:_____ Additional data: Site form____ form 3____	Community name:_____ Additional data: Site form____ form 3____
General Description:	General Description:	General Description:	General Description:

Natural Heritage & Endangered Species Program

Division of Fisheries & Wildlife
Route 135
Westborough, MA 01581
(508) 792-7270, ext. 200

NATURAL COMMUNITY SITE REPORT FORM

A location map must accompany this form.

Survey Date: 8 June 2000 Today's Date: 5 October 2000
Type of Communtiy: Spruce-fir-norther hardwood forest Code:
Town: Washington County: Berkshire Survey Site Name: WHL-1
Surveyor Name(s): Arthur Haines
Directions to site: see site survey form

Vegetation Description (EODATA, vegetation, dominant or significant species, community structure): upland forest adjacent to deep emergent Marsh. Forest overstory dominated by Picea rubens, Acer rubrum, Prunus serotina, and Abies balsamea. Shrubs include Abies balsamea, Viburnum nudum, Viburnum dentatum, and Acer pensylvanicum. The herb layer is dominated by Brachyelytrum septentrionale, Osmunda claytoniana, Dryopteris intermedia, Coptis trifolia, and Maianthemum canadense.

Physical Description (GENDESC, natural disturbances, aquatic features, notable landforms, scenic qualities, natural hazards): 4 Ponds/impoundments in close proximity within a highly modified watercourse system (Drinking water supply for Pittsfield Area). Area is within October Mountain State forest, a somewhat scenic area containing gravel roads and trails on a primarily hardwood forested ridge/hill system.

Surrounding Land Use (physical structures and land use practices in the surrounding area): Impoundments for Drinking water frequent the landscape, Area also extensively used by ATV drivers, hunters, and Anglers.

Are there any rare species at this site? Please specify: Equisetum variegatum, and roadside edge.

Management / Ownership

Is this area part of a managed conservationa area: yes Managed Area Name: October Mountain State forest

Threats to Site/Management Recommendations (on-site and off-site threats to site and management implications; if applicable, discuss why the community may no longer exist here): Pool is occupying area on an altered landscape. Threats to pools existence would be those actions that alter local hydrology (eg., breaching dike, adding culvert).

Evidence of Disturbance (livestock grazing, structures, past logging, mining, plantations, orchards, exotic flora or fauna): Grass-covered dike located on north side of pool. Single-lane gravel road passes close to south shore of pool.

Owner Information

Owner's Name: Commowealth of Massachusetts Telephone: (__)_____

Address: _____

Is Owner: Aware of EO? ____yes ____no ____unknown Protecting EO? ____yes ____no ____unknown

Owner Comments: _____

Element Occurrence (EO) Summary

EO Quality: (How does this occurrence compare with others you have seen? Consider such factors as acreage, maturity, "naturalness," and any unique or special biotic features.)

A - Excellent B - Good (C) - Marginal D - Poor

Comments: Though pool occurs in altered landscape, surrounding area is relatively intact and with mature forest.

EO Condition: (Consider disturbances which may have had a negative impact on this occurrence. Have exotics invaded? Can the community occurrence recover from past disturbances?)

A - Excellent B - Good (C) - Marginal D - Poor

Comments: Surrounding forests are of good quality.

EO Viability: (What are the long-term prospects for continued existence of this occurrence at the indicated level of quality?)

A - Excellent (B) - Good C - Marginal D - Poor

Comments: _____

EO Defensibility: (Can this occurrence be protected from extrinsic human factors?)

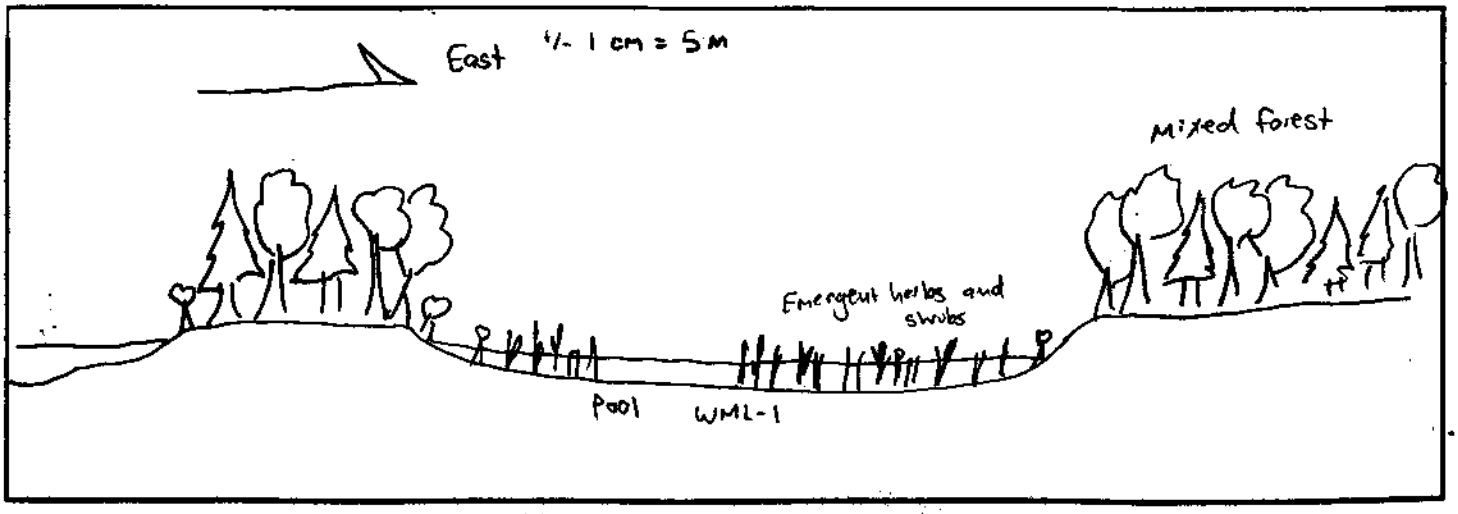
A - Excellent B - Good (C) - Marginal D - Poor

Comments: _____

EO Rank: (A summary of all factors listed above.) A - Excellent B - Good (C) - Marginal D - Poor

Comments: Pool, though home to several species of amphibians, is human-created.

Draw a cross section of the natural community, showing topographic and aquatic features, vegetation structure, and location of various plant communities or species. Include scale and direction.



Form 3: Quantitative Community Characterization

rev. May, 1998

MA Natural Heritage & Endangered Species Program

A. Identifiers (general EOR information)

Sci. name: 1.SNAME: _____ 2.GNAME: _____

3.Site name: _____ 4.Survey site name: WML-1

5.Quad name(s): East Lee 6.Quad code(s): _____ 7.County name(s): _____ 8.County code(s): _____

9.Town (LOCALJURIS): Washington 17.State: MA 10.~~Lat~~ UTM N 4689335 11.~~Long~~ 0649995 ~~W~~E

12. Directions: See site survey form

13.Sourcecode: FOOHAIOIMAUS 14.Survey date 8 June 2000 15.Last obs _____ 16.First obs: _____

18 Surveyors: Arthur Haines and kurt Kerwacky

B. Environmental Description

19.Transect / Observation point # 1

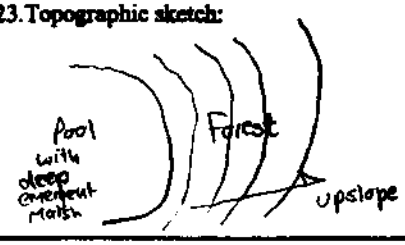
20.Image annotation #

21.Elevation: 541 meters

22.Topographic position:

___Interfluve ___Backslope
___High slope ___Step in slope
X High level ___Lowslope
___Midslope ___Toeslope
___Low level ___Channel wall
___Channel bed ___Basin floor
___Other

23.Topographic sketch:



24.Slope degrees: 0-3°

25.Slope aspect: west (toward pool)

26.Parent material:

unknown

27.Soil profile description: note depth, texture, and color of each horizon. Note significant changes such as depth to mottling, depth to water table, root penetration depth (SOILCOM)

28.Organic horizon depth: _____

29.Organic horizon type: _____

30.Average pH of mineral soil: _____

31.Soil moisture regime:

___Extremely dry ___Somewhat wet
___Very dry ___Wet
___Dry ___Very wet
___Somewhat moist
X Moist

___Permanently inundated
___Periodically inundated

32.Stoniness:

_____Stone free <0.1%
_____Moderately stony 0.1-1%
_____Stony 3-15%
_____Very stony 15-50%
_____Exceedingly stony 50-90%
_____Stone piles >90%

unknown, with some stones

33.Soil drainage:

___Rapidly drained ___Somewhat poorly drained
___Well drained ___Poorly drained
X Moderately well drained ___Very poorly drained

34.Average texture: unknown

___ sand ___clay loam
___sandy loam ___ clay
___loam ___ peat
___silt loam ___muck
other _____

35.Unvegetated surface:

___ % Bedrock
___ % Large rocks (cobbles, boulders > 10 cm)
___ % Small rocks (gravel, 0.2-10 cm)
___ % Sand (0.1-2 mm)
1 % Bare soil

94 % Litter, duff
5 % Wood (> 1 cm)
___ % Water
___% Other: _____

36.Environmental Comments: vegetation homogeneity, erosion / sedimentation, inundation, etc.

Much of surrounding forest is hardwood forest, however, this local area is frequented by spruce and fir intermixed with hardwoods.

37.Plot representativeness: Fairly representative of surrounding forest.

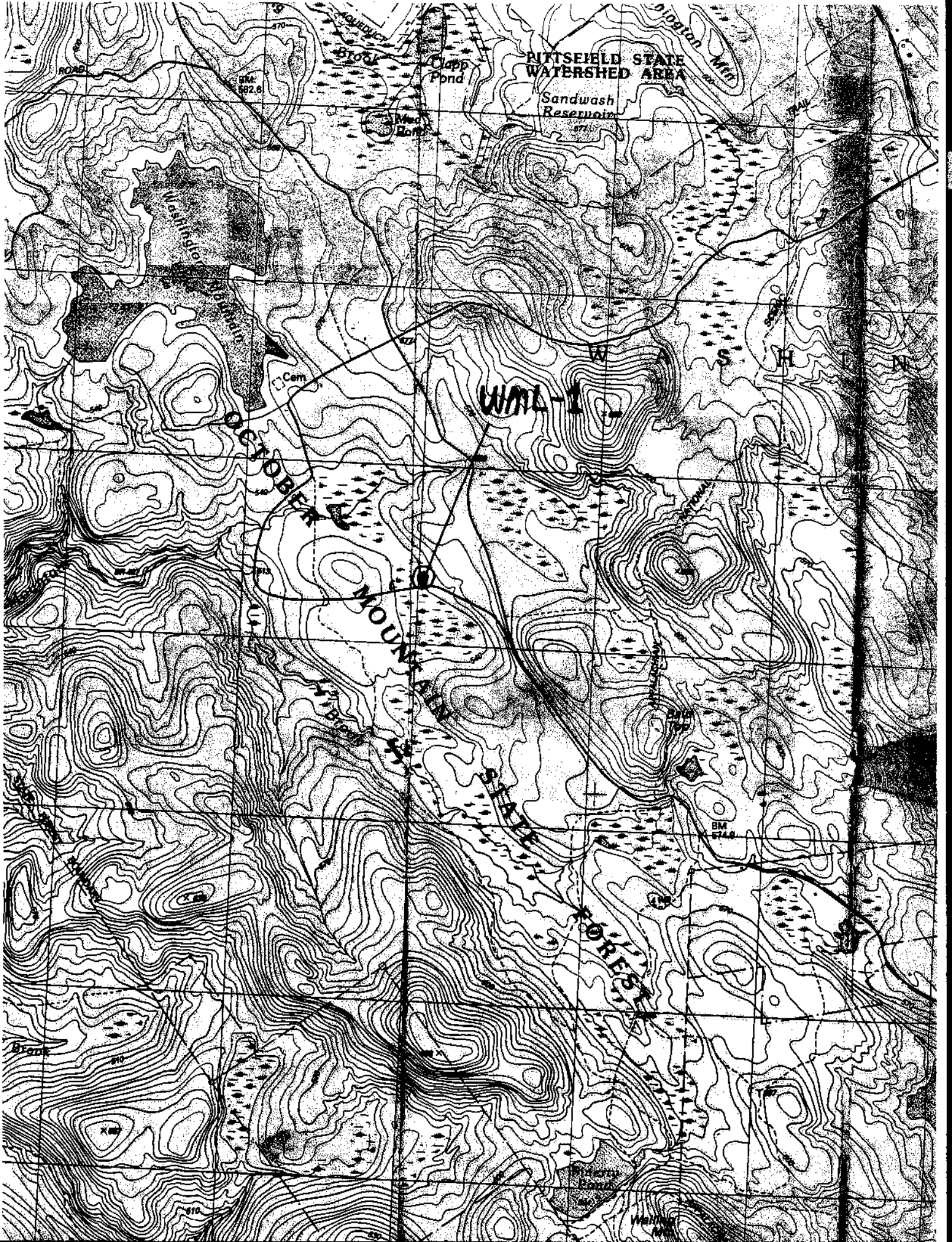
C. Vegetation 38.System: X Terrestrial ___ Palustrine ___ Estuarine 39.Plot number: ___ 40.Plot dimensions: 20 X 20 m

41.Leaf type:	42.Leaf phenology:	43.Physiognomic type:	
X Broad-leaf	X Deciduous	X Forest	___ Woodland
___ Semi-broad-leaf	___ Semi-deciduous	___ Sparse woodland	___ Scrub thicket
___ Semi-needle-leaf	___ Semi-Evergreen	___ Shrubland	___ Sparse shrubland
X Needle-leaf	X Evergreen	___ Dwarf shrubland	___ Dwarf scrub thicket
___ Graminoid	___ Perennial	___ Sparse dwarf shrubland	___ Non-vascular
___ Broad-leaf herbaceous	___ Annual	___ Herbaceous	
___ Pteridophyte		___ Sparsely vegetated	

44.	height	% cover
T1 Emergent tree	absent	
T2 Tree canopy	20 meters	50
T3 Tree sub-canopy	10 m	40
S1 Tall shrub	5 m	10
S2 Short shrub	2 m	10
H Herbaceous	0.5 m	65
N Non-vascular	0.02 m	2
E Epiphyte vascular	absent	0
V Vine / liana	0.5	1

45.Species / percent cover: starting with uppermost stratum, list all species and % cover for each in the stratum. For forests and woodlands, list on a separate line below each tree species the DBH of all trees above 10 cm diameter. Separate the measurements with a comma and note whether in cm or inches.

MG2:		H1-2:		MICHELLA REPENS	+ .3
PICEA RUBENS 16, 11, 13	1 .1	BRACHYELETRUM SEPTENTRIONALE	2- .3	TRILLIUM ERECTUM	r .1
ACER RUBRUM 9, 5, 5, 9, 5, 9, 5, 7	2- .1	OSMUNDA REGALIS	R .2		
PRUNUS SEROTINA 16, 7, 13, 6	r .1	OSMUNDA CLAYTONIANA	2- .2		
ABIES BALSAMEA 8, 6, 5	r .1	DRYOPTERIS INTERMEDIA	2+ .2		
		MEDEOLA VIRGINIANA	+ .1		
M5:		CLINTONIA BOREALIS	1 .2		
ABIES BALSAMEA	2- .1	SMILAX HERBACEA	r .1		
ACER RUBRUM	1 .1	SORBUS AMERICANA	r .1		
ACER PENSYLVANICUM 6,	+ .2	CAREX INTUMESCENS	+ .2		
		CAREX ARETATA	+ .2		
M3-4p		COPTIS TRIFOLIA	2- .3		
ABIES BALSAMEA	r .1	FAGUS GRANDIFOLIA	r .1		
ACER SPICATUM	r .1	MIANTHEMUM CANADENSE	2- .3		
CORYLUS CORNUTA	1 .2	ATHYRIUM FELIX-FEMINA	+ .2		
ACER RUBRUM	1 .1	UVULARIA SESSILIFOLIA	1 .2		
VIBURNUM NUDUM VAR. CASSINOIDES	2- .3	ARALIA NUDICAULIS	+ .1		
VIBURNUM DENTATUM VAR. LUCIDUM	2- .2	ACER SACHARUM	r .1		
QUERCUS RUBRA	r .1	SOLIDAGO RUGOSA	r .1		
ACER SACHARUM	r .1	OCLAMENA ACUMINATA	+ .1		
FAGUS GRANDIFOLIA	r .1	LYSIMACHIA TERRESTRIS	+ .2		


PITTSFIELD STATE
WATERSHED AREA
Sandwash
Reservoir
Clapp
Pond
Mud
Pond
Washington
Mountain
Cem
WML-1
OCTOBER
MOUNTAIN
STATE
FOREST
W A S H I N
Bald
Top
BM
574.0
Brook
Pinerry
Pond
Walling
Mtn
ROAD
TRAIL
AQUEDUCT
BM
582.6