VIRGINIA DCR-DNH VEGETATION PLOT DATA COLLECTION FORM

rev. 2011-04-06 KDP

P.1

GENERAL INFORMATION												
PLOT:		M	Managed Area (if applicable <u>):</u>									
			County State: DhueDrou:									
		G	GPS DATA									
Plot dimensions: by m		G	- GPS Unit									
Sample area sg. m		G	GPS point or file name:									
PLOT DOCUMENTATION		es	st accuracy	: m/	ft # of positions averaged:							
Photographer:	NO photos taken	R	Reciever status: 2D / 3D / 2D WAAS / 3D WAAS									
Camera		Fi	Field Coordinates: UTM X, E Y,, N LAT LONG Marked est. location on toposheet yes									
File / frame #s:												
Description of image(s).		M										
Estimated stand size		N	otes on sta	nd size:								
extensive (> 100 ac ; 40 ha) >1000 x plo	ot)											
large (> 10 < 100 ac; 4 - 40 ha; >100 x p	plot)											
smail (>1 < 10 ac ; 0.4 - 4 ha); >10-100 ; verv small (< 1 ac : < 0.4 ha) <10 x plot)	x plot)											
Unknown												
SITE CHARACTERISTICS		Su	urface Sub	strate (% cov	er)							
Elevation m/ft via GPS _	map altimeter _	т	OTAL = 100	% (excl. non	wascular plants)							
		L	%bedr	ock	%litter / organic matter %other							
		\vdash	%boul	aers/stones	%decaying wood (describe)							
		\vdash	%yrav %wate	enconnies su	% nonvascular							
<u>Slope (degrees)</u>	Slope Shape (V w/ sl	ope)	/044410	Slope Aspec	t (N = 0 degrees):							
single measureor: avg of	VERTICALLY I	IORIZOI	NTALLY	single measu	, ire							
	C concave 0	C conca	ave	avg. of								
□ 0-3% (level or nearly so)	X convex	< conve	x									
□ 3-8% (gentle/undulating)	S straight S	S straig	ht .	F (flat)	N 338-22 ° NE 23-67 °							
□ 8-16% (sloping/rolling)	□ hummock (%	of plot) a	ind	V (variable)	E 68-112 ° SE 113-157 °							
□ 16-30% (moderate/hilly)	hollow (%) mic	rotopogr	aphy		S 158-202 ° SW 203-247 °							
□ 30-65% (steep)	hummock height (cm)			W 248-292 ° NW 293-337 °							
\Box 65-75% (Very steep)		raggy/ oi	ſ	compass:	magnetic corrected							
□ 75+% (extremely steep)	bouldery microtope	ograpny	Topogram	hic	Evidence of Disturbance							
□ ridge / interfluve	indulating / flat plain		Position		 ditching/hydrologic alternation 							
	lune		□ crest /	interfluve	dogwood anthracnose							
□ side slope □ b	each / overwash flat		□ upper	slope	 exotic plants hemlock adelgid 							
□ slope bench / ledge / step □ ir	nterdune flat / interdune swale		□ middle	slope	□ trails/roads □ gypsy moth							
□ fan piedmont □ ti	idal flat		□ lower s	slope	□ clearing □ spruce decline							
	avine		□ toe slo	pe	□ grazing/browsing □ fire							
□ cliff / escarpment / face □ s	eep / swale / non-alluvial botton	า	□ plain/le	evel/bottom	□ wind/ice damage □ erosion							
□ bedrock outcrop □ a	Illuvial flat / alluvial terrace / floo	dplain	n 🗆 basin/depression 🗆 logging									
$\hfill\square$ boulderfield / talus / debris slide $\hfill\square$ fl	oodplain levee		□ Other									
□ hill / knob / monadnock □ C	hannel shelf / stream margin / b	ar	Disturbar	nce Comment	ts:							
□ rolling / dissected upland □ b	ackswamp / slough / oxbow											
OTHER: OS	ag pond / basin											
Cowardin System: Upland	Palustrine Estu	arine	RIV	verine	Lacustrine							
Soil Drainage Class	Soil Moisture Regime				Hydrologic Regime							
□ very poorly drained	<u>een meletare rieginie</u>				Terrestrial (i.e. not a wetland)							
□ poorly drained	- very xeric (moist for neg	lig. time	after ppt)		Tidal							
 somewhat poorly drained moderately well drained 	\square - somewhat xeric (moist for brief time	e) or short t	ime)		 Irregularly exposed (< daily) Regularly flooded (>=daily) 							
well drained rapidly drained	 submesic (moist for moc mesic (moist for signification) 	lerately s	short time)		□ Irregularly flooded (< daily, but >=once/yr) □ Wind tidally flooded							
	 subhygric (wet for signic 	ant part	of		□ Subtidal (permanently flooded)							
Inundation	growing season; mottle □ - hydric (wet for most of a	es <20cn rowing s	n) eason:		Non-Tidal							
infrequently	permanent seepage/m	ottling)			Semipermanently flooded							
\square regularly; for <6 mos. \square regularly; for >6 mos.	for most of the year)	t or near	surface		 Seasonally flooded Intermittently flooded 							
 always submerged by shallow water (<30cm) 	 hydric (water table at or vear round) 	above si	urface		Temporarily flooded Saturated							
□ always submerged by	Evaluate separately from a	bove			Salinity/Halinity							
□ unknown	 ephemeral seepage/sub 	surface	water		□ Saitwater Refractometer □ Brackish Measurement:							
	present locally in plot	(non-we	etland habita	ats)	□ Oligohaline □ Freshwater							
	A		-									
Soil Sample: Single Sample	Composite Sample	No	o. of sample	es mixed	Field measured pH							
Nock Types Present:												
Horizon/												
Depth(cm) Description (color, text	ture, structure, consistency)				Other Soil Notes:							
U-				_								
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Sketch plo							LUI			,,,,,,,2	
• · · · · ·	t configuration,	indicate the	plot archite	ecture, points v	where G	PS positions we	re collected, lo	cations of perm	anent stakes or	markers (if any), locations	S
and bearin	igs of photopoir	its, and direc	tions and o	distances to la	andmarks	s (include specie	es and dbh of v	vitness trees). I	Use the symbols	in the key below for GPS	na
plot orienta	ation and depict	ing roads. tr	ails, etc., a	s well as distir	nctive fea	atures of the ver	getation. If nec	essary. attach c	opy of USGS to	pographic guad map	чy
indicating I	location of plot.		, oto., a				,			- State in Anna mak	
Ĵ									\bigotimes	GPS position	
									\otimes		
										Dhata # and discatio	
									$\bigcirc \longrightarrow$	Photo # and directio	n
										Permanent Marker	
									U		
QUALITATIV	E ASSESSME	NT AND NO	DTES			<u></u>		<u> </u>			
Write a brief w	ord picture of c	ommunity. [Describe th	e representati	iveness o	of the plot to the	vegetation typ	e being sample	d and any variat	tion within the occurrence	in
and inclusion of	communities (if	nresent) If	community		nosaic d	escribe spatial of	listribution and	associated con	munity types	Include landscape context	
information (ad	djacent commu	nities). Desc	cribe any s	pecial or unus	ual featu	res of the veget	ation or habita	t. If possible, no	ote the origin an	d (for moderately even-age	ed
forests) approx	ximate age of th	ne stand. Re	cord the p	resence at the	e site of s	species not sam	pled in the plot	Note, where a	ppropriate, the	approximate distance and	
direction to pro	oximate water s	ources, such	n as river cl	hannels, perer	nnial stre	ams, intermitter	nt streams, and	d seepage or rui	noff areas. For	riparian and other wetland	
sites note the l	height of primar	y and secon	dary water	marks and/or	the pres	sence of fluvial f	eatures.				
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VEGETATIO	N STRUCTUR	F AND PH	(SIOGNO	MΥ							
VEGETATIO	N STRUCTUR	E AND PH	SIOGNO	MY							
VEGETATIOI PHYSIOGNO	N STRUCTUR MY (entire sta	E AND PH	(SIOGNO DO	MY MINANT LEA	AF PHE	NOLOGY	LEAF TY	<u>•</u>			
VEGETATIOI PHYSIOGNO Forest	N STRUCTUR DMY (entire sta	E AND PHY	<u>/SIOGNO</u> DO (en	MY MINANT LE <i>I</i> Itire stand)	AF PHE	NOLOGY	LEAF TYI (dominan	<u>PE</u> t stratum)			
VEGETATIOI PHYSIOGNO Forest Woodland	N STRUCTUR DMY (entire sta	E AND PHY and)	(SIOGNO DO (en De	MY MINANT LEA itire stand) ciduous (< 25	AF PHE	NOLOGY green)	LEAF TYI (dominan Broadleaf	<u>PE</u> t stratum)			
VEGETATIOI PHYSIOGNO Forest Woodland Shrubland / S	N STRUCTUR MY (entire sta	E AND PHY and) nd	(SIOGNO DO (en De Miv	MY MINANT LEA tire stand) ciduous (< 25	AF PHE 5% everg	NOLOGY green)	LEAF TYI (dominan Broadleaf Needlelea	<u>PE</u> t stratum)			
VEGETATIOI PHYSIOGNO Forest Woodland Shrubland / S	N STRUCTUR MY (entire sta Sparse Shrubla	E AND PHY and) nd	(SIOGNO DO (en De Mix	MY MINANT LE/ tire stand) ciduous (< 25 ked deciduous	AF PHE 5% ever(5% ev	NOLOGY green) % evergreen)	LEAF TYI (dominan Broadleaf Needlelea	PE t stratum) f			
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VEGETATIOI PHYSIOGNO Forest Woodland Shrubland / S Herbaceous v Herbaceous v Herbaceous Nonvascular: Sparsely Veg Stratum cover (%)	N STRUCTUR OMY (entire state Sparse Shrubla with sparse tree with sparse shruch Bryophyte etated all trees	E AND PHY and) nd e layer ub layer Lichen	(SIOGNO Do (en De Mix Mix Eve Per Per Per Ann Not	MY MINANT LE/ tire stand) ciduous (< 25 ced deciduous ced evergreer ergreen (< 25 rennial gramin rennial forb rennial forb rennial mixed hual herbaced t applicable T10	AF PHE 5% everg s (25-49 n (25-49 % decid noid ous T6	NOLOGY green) % evergreen) % deciduous) luous)	LEAF TYI (dominan Broadleaf Needlelea Mixed Ericad Broadleaf Graminoid Pteridoph Bryophyte Lichen	PE t stratum) f Herbaceous tyte N	COLUM T>35 = T20 = tr	IN VALUES: tree canopy > 35m ree canopy 20-35m	
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VEGETATION PHYSIOGNO Forest Woodland Shrubland / S Herbaceous v Herbaceous v Herbaceous Nonvascular: Sparsely Veg Stratum cover (%) height (m) Leaf type / Growth form	N STRUCTUR MY (entire state Sparse Shrubla with sparse tree with sparse shrubla Bryophyte etated all trees	E AND PHY and) nd e layer rub layer Lichen	(SIOGNO DO (en De Mix Mix Eve Per Per Ann Not	MY MINANT LE/ tire stand) ciduous (< 25 ked deciduous ked evergreer ergreen (< 25 rennial gramir rennial forb rennial mixed hual herbaced t applicable T10	AF PHE 5% ever(5% ever(5% ever(5% ever(1000000000000000000000000000000000000	NOLOGY green) % evergreen) % deciduous) luous)	LEAF TYI (dominan Broadleaf Needlelea Mixed Ericad Broadleaf Graminoic Pteridoph Bryophyte Lichen H	PE t stratum) f Herbaceous d yte B LIC MIXED	COLUM T>35 = T20 = tr T10 = tr T6 = tree S = tree H = her	IN VALUES: tree canopy > 35m ree canopy 20-35m ree canopy 10-20m ree canopy 6-10m e canopy 6-10m e or shrub 0.5-6m b layer (all herbs +	
VEGETATION PHYSIOGNO Forest Woodland Shrubland / S Herbaceous v Herbaceous v Herbaceous v Nonvascular: Sparsely Veg Stratum cover (%) height (m) Leaf type / Growth form Phenology /	N STRUCTUR MY (entire state Sparse Shrubla with sparse tree with sparse shrubla Bryophyte etated all trees NL BL Mixed D E	E AND PHY and) nd e layer rub layer Lichen	/SIOGNO Do (en De Mix Mix Eve Per Per Per Ann Not	MY MINANT LE/ tire stand) ciduous (< 25 ked deciduous ked evergreer ergreen (< 25 rennial gramir rennial forb rennial mixed nual herbaced t applicable T10	AF PHE 5% everg s (25-49 n (25-49 % decid noid ous T6	NOLOGY green) % evergreen) % deciduous) luous) Iuous) NL BL mixed D E	LEAF TYI (dominan Broadleaf Needlelea Mixed Ericad Broadleaf Graminoid Pteridoph Bryophyte Lichen H	PE t stratum) f Herbaceous yte Mixe B LIC MIXED	$\begin{array}{c} \text{COLUM} \\ \text{T>35} = \\ \text{T20} = \text{tr} \\ \text{T10} = \text{tr} \\ \text{T6} = \text{tree} \\ \text{S} = \text{tree} \\ \text{H} = \text{her} \\ \text{woodv} \\ \text{r} \end{array}$	IN VALUES: tree canopy > 35m ree canopy 20-35m ree canopy 10-20m ree canopy 6-10m e or shrub 0.5-6m b layer (all herbs + olants 0-0.5m)	
VEGETATION PHYSIOGNO Forest Woodland Shrubland / S Herbaceous v Herbaceous v Herbaceous v Nonvascular: Sparsely Veg Stratum cover (%) height (m) Leaf type / Growth form Phenology / Growth habit	N STRUCTUR MY (entire state Sparse Shrubla with sparse tree with sparse shrubla Bryophyte etated All trees NL BL mixed D E MD ME	E AND PHY and) nd e layer ub layer Lichen	/SIOGNO Do (en De Mix Eve Per Per Anr Not	MY MINANT LE/ tire stand) ciduous (< 25 ced deciduous ced evergreer ergreen (< 25 rennial gramir rennial forb rennial forb rennial mixed nual herbaced t applicable	AF PHE 5% everg s (25-49 n (25-49 i% decid noid ous T6	NOLOGY green) % evergreen) % deciduous) luous) luous) NL BL mixed D E MD ME	LEAF TYI (dominan Broadleaf Needlelea Mixed Ericad Broadleaf Graminoid Pteridoph Bryophyte Lichen	PE t stratum) f Herbaceous yte MIXED	COLUM T>35 = T20 = tr T10 = tr T6 = tree S = tree H = her woody p N = nor	IN VALUES: tree canopy > 35m ree canopy 20-35m ree canopy 10-20m ree canopy 6-10m e or shrub 0.5-6m b layer (all herbs + blants 0-0.5m) wascular	
VEGETATION PHYSIOGNO Forest Woodland Shrubland / S Herbaceous v Herbaceous v Herbaceous v Herbaceous Nonvascular: Sparsely Veg Stratum cover (%) height (m) Leaf type / Growth form Phenology / Growth habit	N STRUCTUR MY (entire state Sparse Shrubla with sparse tree with sparse shrubla Bryophyte etated All trees NL BL mixed D E MD ME	E AND PHY and) nd e layer ub layer Lichen	YSIOGNO DO (en De Mix Eve Per Per Ann No	MY MINANT LE/ tire stand) ciduous (< 25 xed deciduous xed evergreer ergreen (< 25 rennial gramir rennial forb rennial mixed nual herbaced t applicable T10	AF PHE 5% everg s (25-49 n (25-49 % decid noid ous T6	NOLOGY green) % evergreen) % deciduous) luous) luous) NL BL mixed D E MD ME	LEAF TYI (dominan Broadleaf Needlelea Mixed Ericad Broadleaf Graminoid Pteridophy Bryophyte Lichen H Gr F Pteridophy Bryophyte Lichen H	PE t stratum) f Herbaceous yte MIXED	COLUM T>35 = T20 = tr T10 = tr T6 = tree S = tree H = her woody p N = nor	IN VALUES: tree canopy > 35m ree canopy 20-35m ree canopy 10-20m ree canopy 6-10m e or shrub 0.5-6m b layer (all herbs + blayer (all herbs + blants 0-0.5m) avascular	
VEGETATION PHYSIOGNO Forest Woodland Shrubland / S Herbaceous v Herbaceous v Herbaceous v Nonvascular: Sparsely Veg Stratum Cover (%) height (m) Leaf type / Growth form Phenology / Growth habit	N STRUCTUR MY (entire state Sparse Shrubla with sparse tre- with sparse shrubla Bryophyte retated All trees NL BL mixed D E MD ME	E AND PHY and) nd e layer ub layer Lichen T>35	YSIOGNO DO (en Der Mix Eve Per Per Per Ann Not	MY MINANT LEA trire stand) ciduous (< 25 ced deciduous ced evergreer ergreen (< 25 rennial gramin rennial forb rennial mixed nual herbaced t applicable T10	AF PHE 5% everges 5% everges 5% decid noid 1 ous T6	NOLOGY green) % evergreen) % deciduous) luous) luous) NL BL mixed D E MD ME	LEAF TYI (dominan Broadleaf Needlelea Mixed Ericad Broadleaf Graminoid Pteridophy Bryophyte Lichen	PE t stratum) f Herbaceous yte B LIC MIXED	$\begin{array}{c} \text{COLUM} \\ \text{T>35} = \\ \text{T20} = \text{tr} \\ \text{T10} = \text{tr} \\ \text{T6} = \text{tree} \\ \text{S} = \text{tree} \\ \text{H} = \text{her} \\ \text{woody p} \\ \text{N} = \text{non} \end{array}$	IN VALUES: tree canopy > 35m ree canopy 20-35m ree canopy 10-20m ree canopy 6-10m ree canopy 6-10m re or shrub 0.5-6m b layer (all herbs + olants 0-0.5m) reascular	
VEGETATIOI PHYSIOGNO Forest Woodland Shrubland / S Herbaceous v Herbaceous v Herbaceous Nonvascular: Sparsely Veg Stratum Cover (%) height (m) Leaf type / Growth form Phenology / Growth habit	N STRUCTUR MY (entire states) Sparse Shrubla with sparse tree with sparse shrubla Bryophyte retated All trees NL BL mixed D E MD ME ommunity nam	E AND PHY and) nd e layer ub layer Lichen T>35	YSIOGNO DO (en Der Mix Mix Eve Per Per Ann Not T20	MY MINANT LE/ titre stand) ciduous (< 25 ced deciduous ced evergreer ergreen (< 25 rennial gramin rennial forb rennial mixed nual herbaced t applicable T10 I Community	AF PHE 5% evergent s (25-49) i% decid noid ous T6 Group):	NOLOGY green) % evergreen) % deciduous) luous) luous) NL BL mixed D E MD ME	LEAF TYI (dominan Broadleaf Needlelea Mixed Ericad Broadleaf Graminoid Pteridoph Bryophyte Lichen H Gr F Pter Mx Per Ann Dw Ew	PE t stratum) f Herbaceous yte B LIC MIXED	$\begin{array}{c} \text{COLUM} \\ \text{T>35} = \\ \text{T20} = \text{tr} \\ \text{T10} = \text{tr} \\ \text{T6} = \text{tree} \\ \text{H} = \text{her} \\ \text{woody p} \\ \text{N} = \text{nor} \end{array}$	IN VALUES: tree canopy > 35m ree canopy 20-35m ree canopy 10-20m ree canopy 6-10m e or shrub 0.5-6m b layer (all herbs + olants 0-0.5m) rvascular	
VEGETATION PHYSIOGNO Forest Woodland Shrubland / S Herbaceous v Herbaceous v Herbaceous v Herbaceous v Nonvascular: Sparsely Veg Stratum Cover (%) height (m) Leaf type / Growth form Phenology / Growth habit Provisional Co	N STRUCTUR MY (entire state Sparse Shrubla with sparse tre- with sparse shrubla Bryophyte retated All trees NL BL mixed D E MD ME ommunity nam	E AND PHY and) nd e layer ub layer Lichen T>35	(SIOGNO DO (en Der Mix Eve Per Per Anr Not T20	MY MINANT LE/ tire stand) ciduous (< 25 ked deciduous ked evergreer ergreen (< 25 rennial gramir rennial forb rennial mixed nual herbaced t applicable T10 I Community	AF PHE 5% everg s (25-49 noid ious T6 Group):	NOLOGY green) % evergreen) % deciduous) luous) luous) NL BL Mixed D E MD ME	LEAF TYI (dominan Broadleaf Needlelea Mixed Ericad Broadleaf Graminoid Pteridoph Bryophyte Lichen 	PE t stratum) f Herbaceous d yte N B LIC MIXED	COLUM T> $35 =$ T20 = tr T10 = tr T6 = tree H = her woody p N = nor	IN VALUES: tree canopy > 35m ree canopy 20-35m ree canopy 10-20m ree canopy 6-10m re canopy 6-	

II. Woody Stem Counts and Compositional Data

PLOT _____, P.3

wooi	JYSII	EMS >= 2.5 (CM DBH IN PLOT; record	d number of ste	ems in the class	es below if DB	H < 40cm	recor	rd eac	h stem	to the nea	arest cm	t DBH>40	lcm			
SPEC	IES		2.5 - 5 cm	5 - 10 cm	10 - 15 cm	15 - 20 cm	20 - 25	cm 2	25 - 3	80 cm	30 - 35	cm 35	- 40 cm	40+ cm			
								+				+					
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TRFF	AGF [DATA: use this	space to record i	nformation	about any	increment	cores	colle	ected	d from	the pl	ot					
				monnation	about any	morement	00100	50110	.0100	1 11 011		01					
SPEC	IES CO	OMPOSITION /	AND COVER CL	ASS BY S	TRATUM.	Record	d cover	in th	e fol	llowin	g class	es: 1 =	trace,	2 = a fe	ew (<1%	%),	
3 = 1-2	2%, 4 =	2-5%, 5 = 5-10	%, 6 = 10-25%, 7	= 25-50%, 8	B = 50-75%	, 9 = 75-10	0%.	Reco	ord co	over va	alues for	each st	ratum Al	ND for to	tal cove	r in entir	e sample.
Check "	'Out" for	taxa outside the p	olot, "ID" for ID for tax	a of question	able identifica	ation; indicate	e specim	ens c	ollect	ted for	later ide	entificati	on in the	"Coll./#'	' column		
Out	ID		TAXON				Т	С		Н	S	T6	T10	T20	T>35	Ν	Coll./ #
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(SPEC	CIES C	OMPOSITION AND COVER CLASS BY STRATUM CONTINUE	D)) PLOT,						_, P.4	, P.4		
Out	ID	TAXON	TC		Н	S	T6	T10	T20	T>35	Ν	Coll./#	
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TOTAL SPECIES RICHNESS = _____ taxa

Exclude taxa rooted outside plot boundary from species richness calculation