

SL

Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

For DCR Use Only:

File Number	<u>337-6779-14</u>	Case No.	_____
Date Rec'd	<u>12.23.13</u>	Nat. Hert.	<u>1</u>
Earliest Start	<u>1.9.2014</u>	Nat. Hert. Imp.	_____
River Basin	<u>CT</u>	Pub. Dr. Wat.	<u>YES</u>
Gen. Obj.	<u>LT</u>	ACEC	<u>NO</u>

Site Information

Location

"Old W-burg Road" (R & W-W Stand 9)

Town: Whately
 Road: Williamsburg & Dry Hill Rds
 Acres: 20.0 Proposed Start: 12/1/2012
 Vol. Mbf 70.5 Vol. Cds. 1 Vol tons 176

Plan Preparer

Name: Michael Mauri
 Address: 20 West Street
 Town, State, Zip: South Deerfield, MA, 01373
 Phone: (413) 665-6829
 Type of Preparer: Licensed Forester
 *Mass Forester License # 161
 *Required for land under CH 61, CH 61A, or Forest Stewardship

Landowner

Name: City of Northampton DPW
 Attention: Nicole Sanford, Sr. Env. Scientist
 Mailing Address: 125 Locust Street
 Town, State, Zip: Northampton, MA 01060
 Phone: (413) 587-1376

Ch61 61A 61B Stew *Case # _____
 FSC GC CR CR Holder _____

Licensed Timber Harvester**

Name _____
 Address _____
 Town, State, Zip _____
 Phone _____
 Mass. Lic. Harvester # _____

**This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	<u>PO</u>	<u>PO</u>		
Existing Structure	<u>N*</u>	<u>N</u>		
Type of Bottom	<u>ST-MU</u>	<u>GR</u>		
Bank Height (ft)	<u>1'</u>	<u>1'</u>		
Stabilization	<u>CO</u>	<u>CO</u>		

Wetland Crossings NO

*existing ford in old road

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	<u>50</u>	<u>50</u>		

Harvesting in Wetlands NO

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

Note: SC-2 is a minor roadside ditch, see Narrative Page Service Forester Comments

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note: Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

(1)

Forest Products

Products to be Harvested*

Species	Mbf/cds		Mbf/cds
White Pine	37.00	Red Maple	
Red Pine	33.50	Sugar Maple	
Pitch Pine		Red Oak	
Hemlock	0.00	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash		Total Mbf	70.50
Beech		Cordwood (cds)	1
White Birch		SW Pulp (Tons)**	176
B & Y Birch		HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

**2 tons per cord

*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Stand Treatment

Cutting Standards

Indicate location on map	ST-9			
Forest Type	WP/RP			
Acres	20.0			
Landowner Objective	LT			
Designation of Trees	CT			
Type of Cut	TH			
Source of Regeneration	*			

*N/A

Landowner

Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; this decision will also determine the future condition of the forest for decades to come. After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

LT - Long-term Forest Management

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

ST - Short-term Harvest

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.

I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.

I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.

I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

Edward S. Knott

Signature of landowner(s)

12/18/13

Date

Service Forester

Determination and Status 337.6779.14

Approved Disapproved Expires

Cutting Plan

12/24/2015

Sean Gibby

Signature of Service Forester/Director's Agent

1/14/14

Date

Extension

Expires

Ser. For. Ints.

Amendment

App 1

Dis 1

App 2

Dis 2

Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Codes

Forest Types

WP White Pine
WK WP/Hem
WH WP/Hdwd
WO WP/Oak
RP Red Pine
SR Red Spruce

HK Hemlock
HH Hem/Hdwd
BC Black Cherry
BB Bee/Bir/Map
OH Oak/Hdwd
OR N Red Oak

OM Mixed Oak
RM Red Maple
BE Beech
SF Spruce/Fir
SM Sugar Maple
PP Pitch Pine

Designation of Trees

CT Cut Tree
LT Leave Tree
SB Stand Boundary
OT Other
Landowner Objective
LT Long-term Mgt.
ST Short-term Har.

Type of Cut

SH Shelterwood
ST Seed Tree
CC Clear Cut
SE Selection
SA Salvage
SN Sanitation

Intermediate Harvests:
CT Commercial Thin
NT Non Com Thin
Non-Standard Systems:
HG Highgrade*
DL Diameter Limit*
OT Other*

Source of Regeneration

AD Advanced
SE Natural Seed
PL Plant
CO Coppice
DS Direct Seed
OT Other

*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page

pg 4 of 5

Forest Cutting Plan

Narrative Page (Effective Date: 1/1/04)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner City of Northampton

Town Whately

File Number _____

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Note: Sc-2 is a ditch downgradient from an intermittent stream that →*

Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment; "LV": leave tree top whole, do not utilize.

* → loses its channel and diffuses into the ground, but then seeps out in a road - cut face.

Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed
_____	Stand 9: this harvest is designed to benefit tall white pines that have overcrowded, weakening crowns by letting in more light around their crowns. Cutting is as light as possible so as to not promote grapes or bittersweet. Red pine occurs as scattered individuals and in groups: most of the red pine is marked for pre-salvage (i.e. cutting because it is in decline and not expected to recover). To the extent possible, all unutilized material (i.e. tops or pulp trees) should be left on the ground in their full length rather than cut up into short lengths. This will provide better habitat and more-closely simulates natural conditions.			

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Regeneration & Future Condition

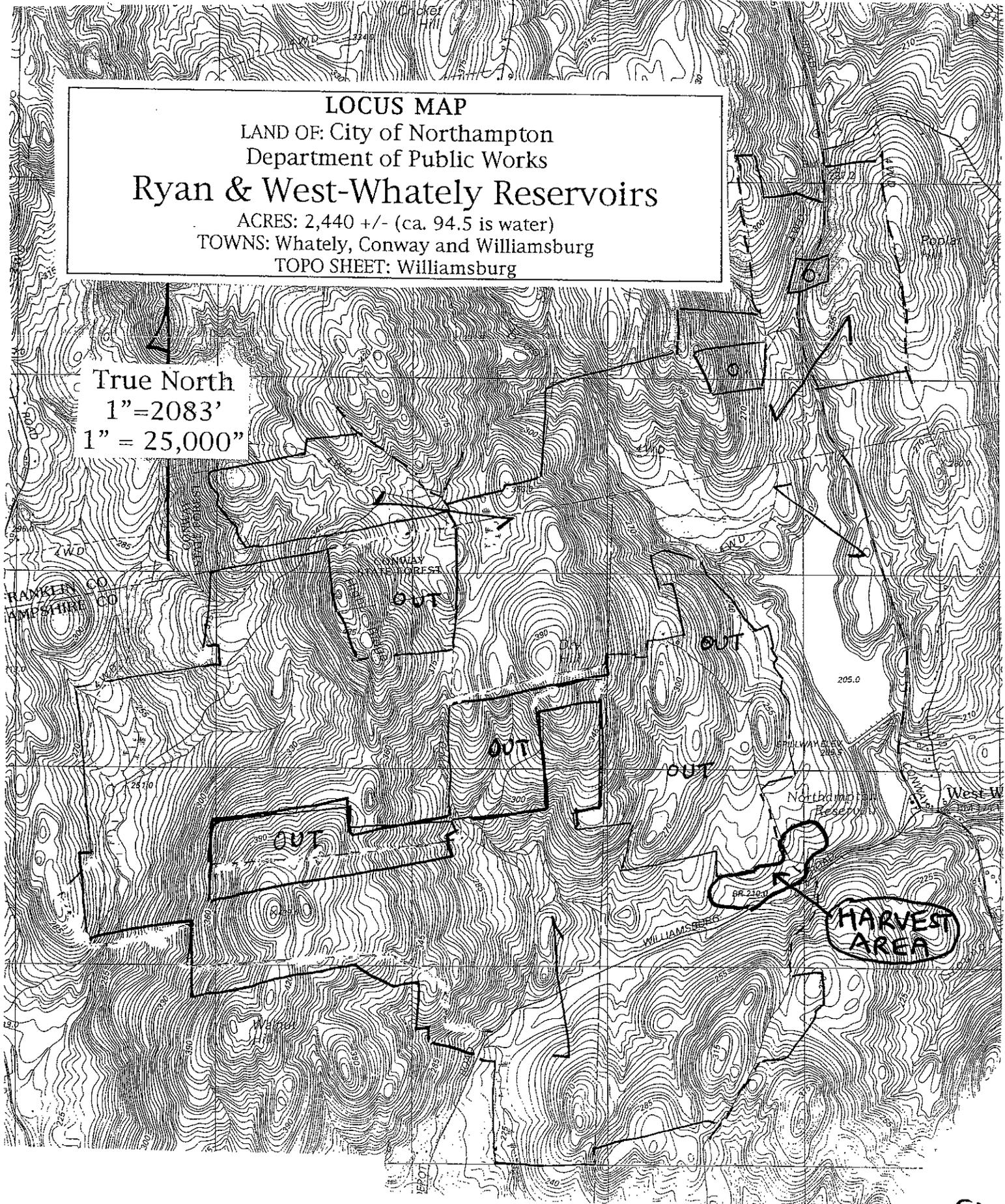
Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected?
		If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre

Stand No.	Desired Future Condition
	Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

LOCUS MAP
LAND OF: City of Northampton
Department of Public Works
Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)
TOWNS: Whately, Conway and Williamsburg
TOPO SHEET: Williamsburg

True North
1" = 2083'
1" = 25,000"

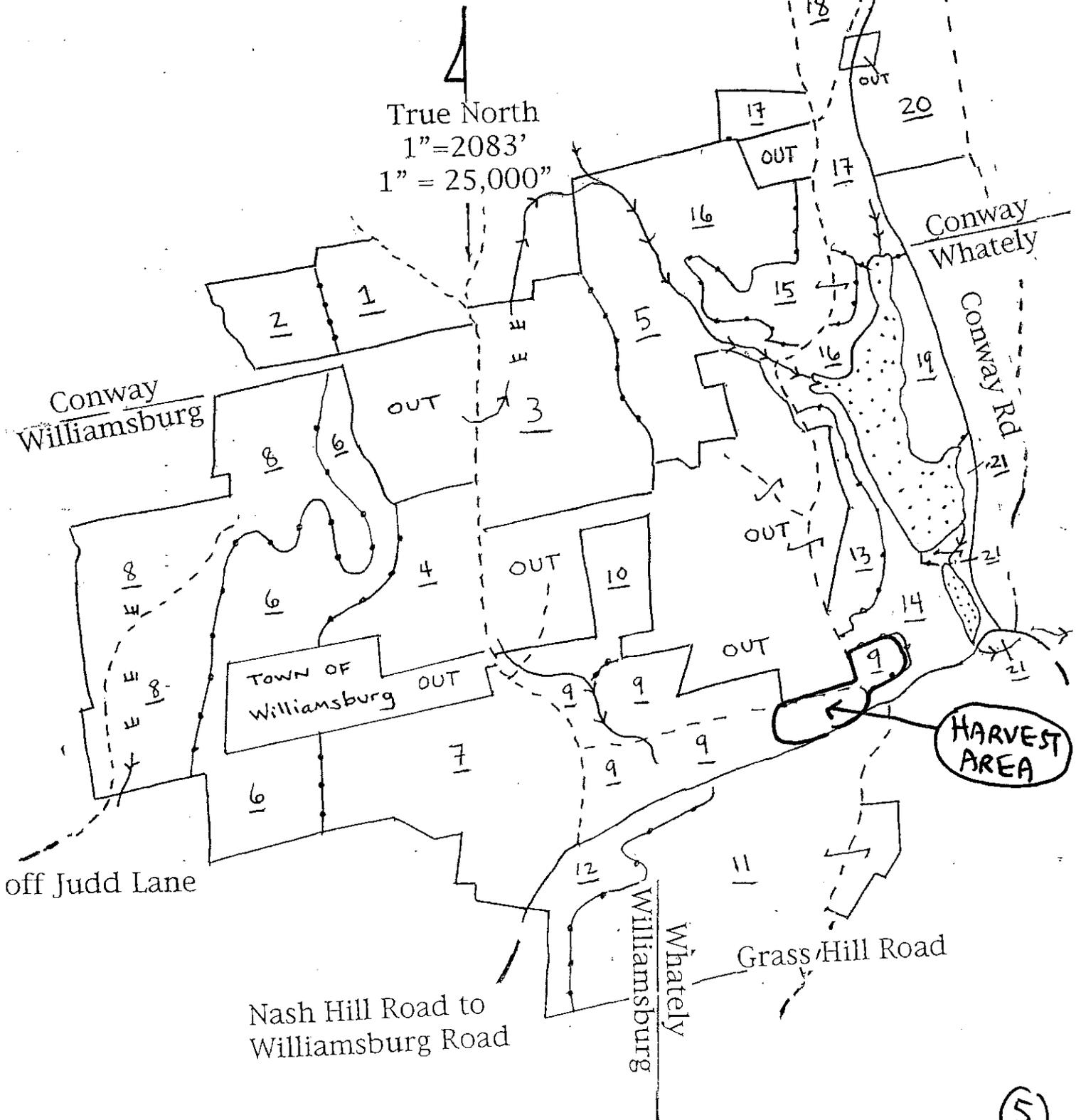


STAND LOCATOR MAP

LAND OF: City of Northampton
Department of Public Works

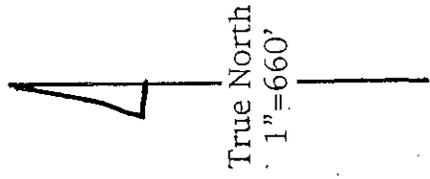
Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)
TOWNS: Whately, Conway and Williamsburg
TOPO SHEET: Williamsburg



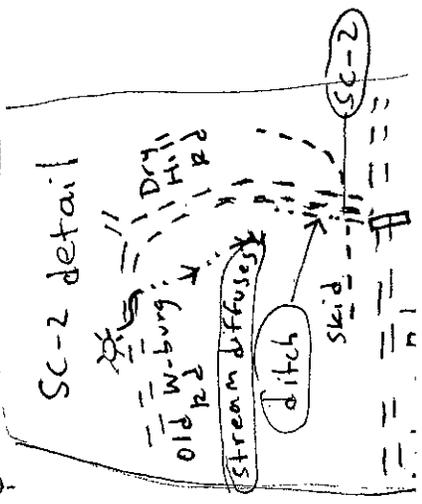
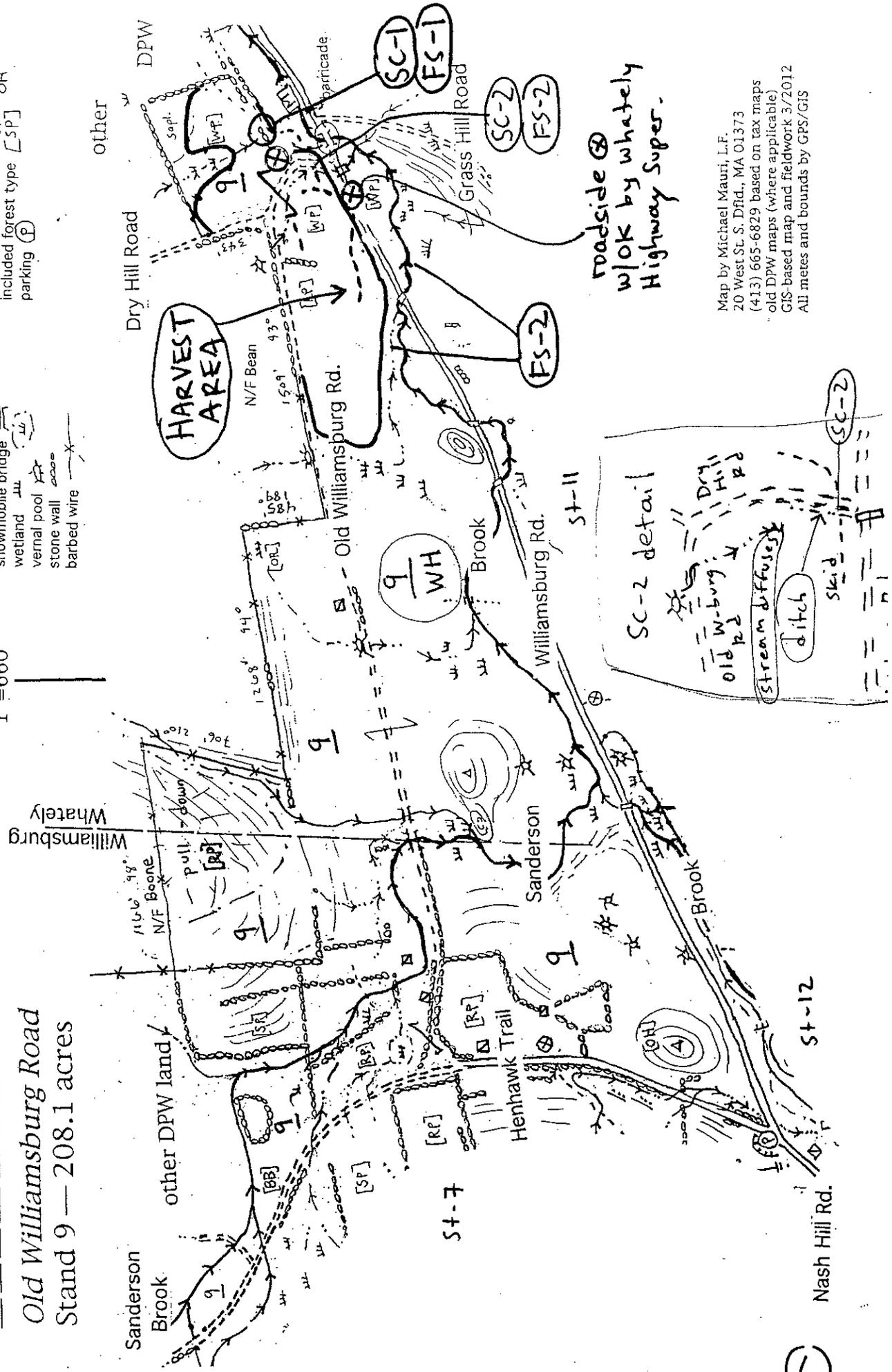
Forest Stand and Boundary Map
 City of Northampton, DPW
 Ryan & West-Whately Reservoirs
 Williamsburg & Whately, MA

Old Williamsburg Road
 Stand 9 — 208.1 acres



- Key**
- steep land
 - ledge; stones
 - cellar hole
 - woods road
 - skid road; landing
 - stand boundary
 - stand number & forest type
 - included forest type [SP]
 - parking

- stream
- seasonal stream
- beaver pond
- culvert
- bridge
- snowmobile bridge
- wetland
- vernal pool
- stone wall
- barbed wire



Map by Michael Mauri, L.F.
 20 West St. S. DfId., MA 01373
 (413) 665-6829 based on tax maps
 old DPW maps (where applicable)
 GIS-based map and fieldwork 3/2012
 All meters and bounds by GPS/GIS



Division of Fisheries & Wildlife

Wayne F. MacCallum, *Director*

Sean Libbey
Department of Conservation and Recreation
40 Cold Storage Drive
P.O. Box 484
Amherst, MA 01004

Cutting Plan No.	337-6779-14
NHESP Tracking No.	12-30639e
Town	Whately
Road	Williamsburg and Dry Hill Road
Landowner	City of Northampton DPW
Preparer	Michael Mauri
Date	January 28, 2014

Dear Sean,

The Natural Heritage and Endangered Species Program (NHESP) of the Massachusetts Division of Fisheries and Wildlife (the Division) has reviewed the above-referenced Forest Cutting Plan (hereinafter "the Plan") pursuant to the special approval procedures of the Forest Cutting Practices Regulations (304 CMR 11.04(6)). Based on details of the Plan and information in the NHESP database, the Division does not expect activities proposed in the Plan to negatively impact Estimated Habitat or result in "Take" (as defined in 321 CMR 10.02) of plant or animal species protected under the Massachusetts Endangered Species Act (MESA) (M.G.L. c. 131A) and its implementing regulations (321 CMR 10.00). Therefore, the Division does not require that the Plan be modified at this time.

Please copy the Division on any proposed amendments or extensions to the Plan and on the approved plan for the site. If you have any questions about this letter, please contact Brent Powers at (508) 389-6354.

Sincerely,

A handwritten signature in cursive script that reads "Thomas W. French".

Thomas W. French, Ph.D.
Assistant Director

Cc: Whately Conservation Commission (via email)





dcR

COMMONWEALTH OF MASSACHUSETTS

Department of Conservation and Recreation

Division of State Parks and Recreation

FILE # 337.6779.14

FOREST CUTTING PLAN CERTIFICATE

W

Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that City of Northampton DPL 90 Nicole Sanford
(Name of Owner) (Address) Forest Street, Northampton in accordance with the

provision of M.G.L. Chapter 132, Section 40-46, filed in The Ordinance Office with the Dept. of Conservation and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the

Williamsburg + Dryden Hill Rds., Whately

Approval Date 1.14.2014

Director's Agent Alexis Fibley

DCR Phone No. (413) 545-4539

(413) 545-5752

ISSUED BY:

Priscilla E. Geigis, Director
Division of State Parks and Recreation

SL

Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

For DCR Use Only:

File Number	337-6777-14	Case No.	
Date Rec'd	12.23.13	Nat. Hert.	YES 1
Earliest Start	1.9.2014	Nat. Hert. Imp.	
River Basin	CT	Pub. Dr. Wat.	YES
Gen. Obj.	LT	ACEC	NO

Site Information

Location

"Grass Hill" (R & W-W Stand 11)
 Town: Whately & Williamsburg
 Road: Williamsburg Road (Whately)
 Acres: 46.0 Proposed Start: 12/1/2012
 Vol. Mbf 98.274 Vol. Cds. 123 Vol tons 114

Plan Preparer

Name: Michael Mauri
 Address: 20 West Street
 Town, State, Zip: South Deerfield, MA, 01373
 Phone: (413) 665-6829
 Type of Preparer: Licensed Forester
 *Mass Forester License # 161
 *Required for land under CH 61, CH 61A, or Forest Stewardship

Landowner

Name: City of Northampton DPW
 Attention: Nicole Sanford, Sr. Env. Scientist
 Mailing Address: 125 Locust Street
 Town, State, Zip: Northampton, MA 01060
 Phone: (413) 587-1376

Ch61 61A 61B Stew *Case # _____
 FSC GC CR CR Holder _____

Licensed Timber Harvester**

Name _____
 Address _____
 Town, State, Zip _____
 Phone _____
 Mass. Lic. Harvester # _____

**This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4	5
Type of Crossing	PO	PO	PO	BR	BR
Existing Structure	N	N	N	N	N
Type of Bottom	MU	*	*	*	*
Bank Height (ft)	0.5	0.5	0.5	1.0	1.0
Stabilization	CO	CO	CO	CO	CO

Wetland Crossings NO *ST-MU

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	50'	50'	50'	

Harvesting in Wetlands NO

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

Service Forester Comments

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other

Note: Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

If Other (OT) is used in any category an explanation must be given on an attached narrative page

1

Products to be Harvested*

Species	Mbf/cds		Mbf/cds
White Pine	34.93	Red Maple	1.92
Red Pine	20.11	Sugar Maple	
Pitch Pine		Red Oak	1.48
Hemlock	32.91	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hwd.	
White Ash	0.25	Total Mbf	98.27
Beech		Cordwood (cgs)	123
White Birch	2.66	SW Pulp (Tons**)	114
B & Y Birch	4.02	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

**2 tons per cord

*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Cutting Standards

Indicate location on map	ST-11		
Forest Type	WH		
Acres	46.0		
Landowner Objective	LT		
Designation of Trees	CT		
Type of Cut	SE		
Source of Regeneration	*		

*AD/SE

Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; this decision will also determine the future condition of the forest for decades to come. After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

LT - Long-term Forest Management

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

ST - Short-term Harvest

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.

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I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.

I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

Eduard S. Kott

Signature of landowner(s)

12/18/13
Date

Determination and Status

337.6777.14

	Approved	Disapproved	Expires
Cutting Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>12.24.2015</i>
Signature of Service Forester/Director's Agent	<i>Sean J. Blaney</i>		Date <i>1/14/14</i>
Extension	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Expires <i>/</i> Ser. For. Ints. <i>/</i>
Amendment	App 1 <input type="checkbox"/>	Dis 1 <input type="checkbox"/>	App 2 <input type="checkbox"/> Dis 2 <input type="checkbox"/>

Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Forest Products

Stand Treatment

Landowner

Service Forester

Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP/Hem	LT Leave Tree	ST Seed Tree	SE Natural Seed
WH WP/Hwd	SB Stand Boundary	CC Clear Cut	NT Non Com Thin
WO WP/Oak	OT Other	SE Selection	PL Plant
RP Red Pine	Landowner Objective	SA Salvage	CO Coppice
SR Red Spruce	LT Long-term Mgt.	SN Sanitation	DS Direct Seed
	ST Short-term Har.		OT Other
		Intermediate Harvests:	
		CT Commercial Thin	
		NT Non Com Thin	
		Non-Standard Systems*:	
		HG Highgrade*	
		DL Diameter Limit*	
		OT Other*	

*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page

pg 4 of 5

(2)

Forest Cutting Plan

Narrative Page (Effective Date: 1/1/04)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner City of Northampton

Town Whately + Williamsburg

File Number _____

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment; "LV": leave tree top whole, do not utilize.

Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed

Note:

Stand 11: this harvest is designed to benefit tall white pines that have overcrowded, weakening crowns by letting in more light around their crowns. Cutting is as light as possible so as to not promote grapes or bittersweet. Red pine occurs in scattered groups: most of the red pine is marked for pre-salvage (i.e. cutting because it is in decline and not expected to recover). Much of the hemlock will also be pre-salvaged. To the extent possible, all unutilized material (i.e. tops or pulp trees) should be left on the ground in their full length rather than cut up into short lengths. This will provide better habitat and more-closely simulates natural conditions.

Regeneration & Future Condition

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre

Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

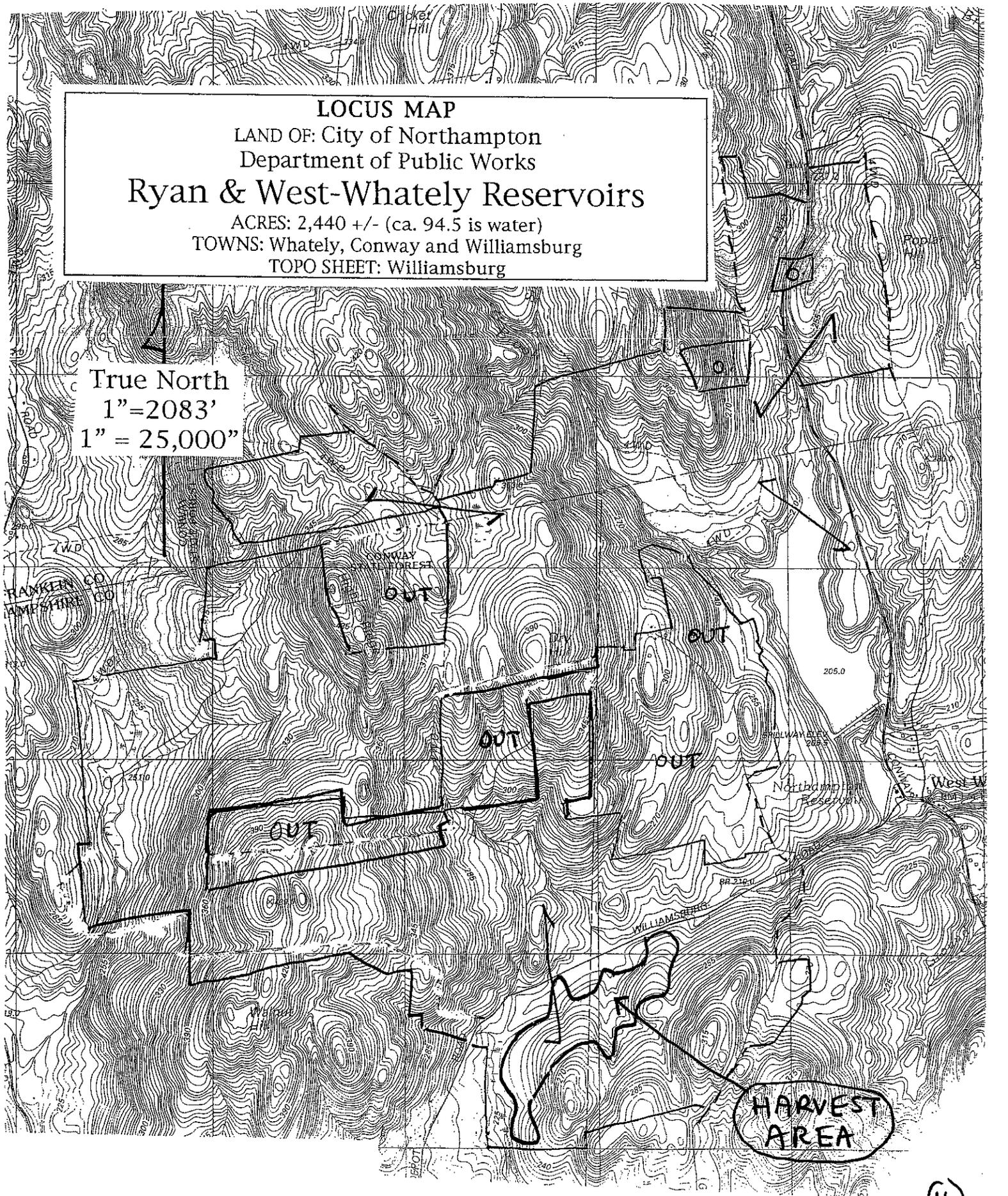
LOCUS MAP

LAND OF: City of Northampton
Department of Public Works

Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)
TOWNS: Whately, Conway and Williamsburg
TOPO SHEET: Williamsburg

True North
1" = 2083'
1" = 25,000"

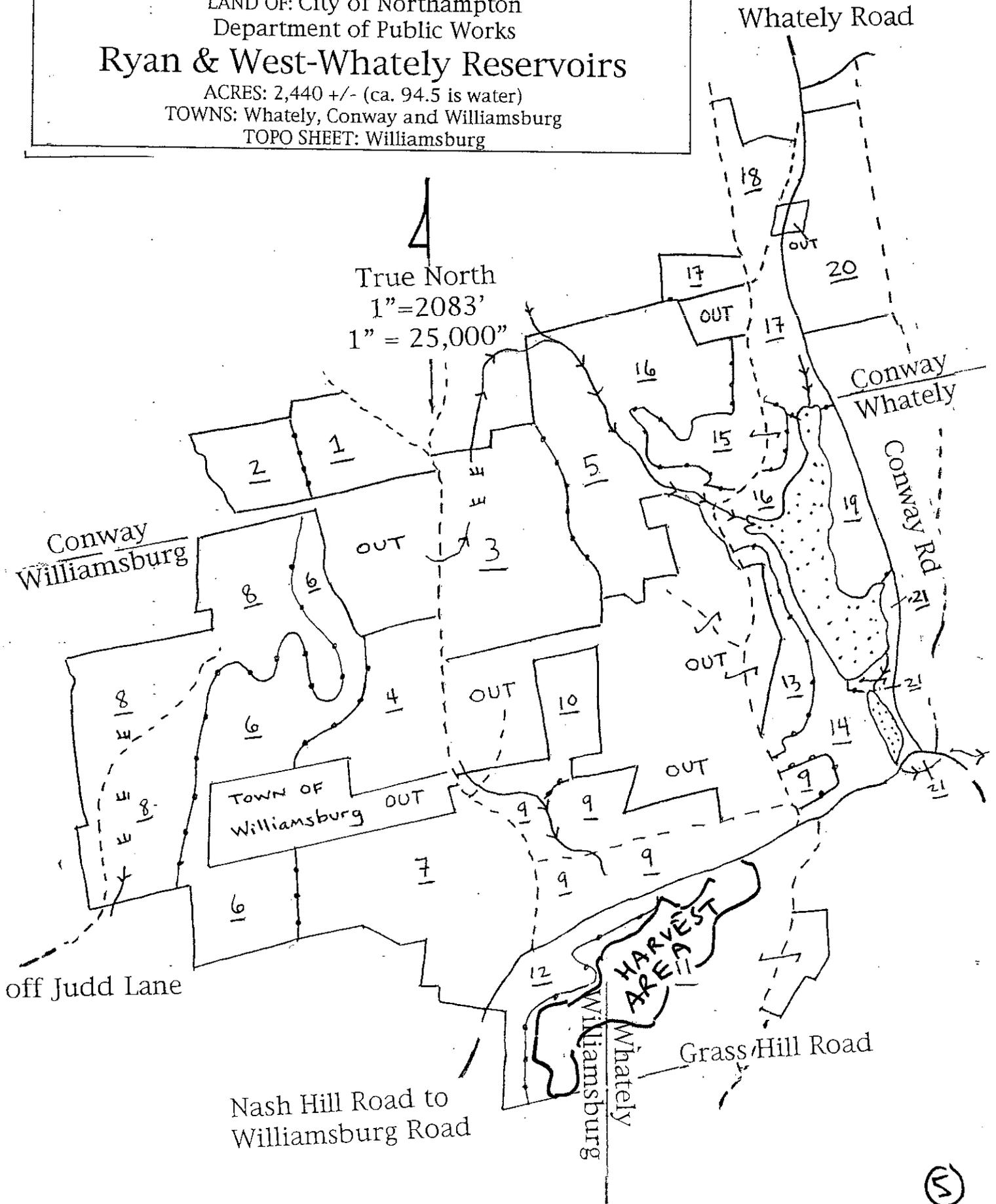


STAND LOCATOR MAP

LAND OF: City of Northampton
Department of Public Works

Ryan & West-Whately Reservoirs

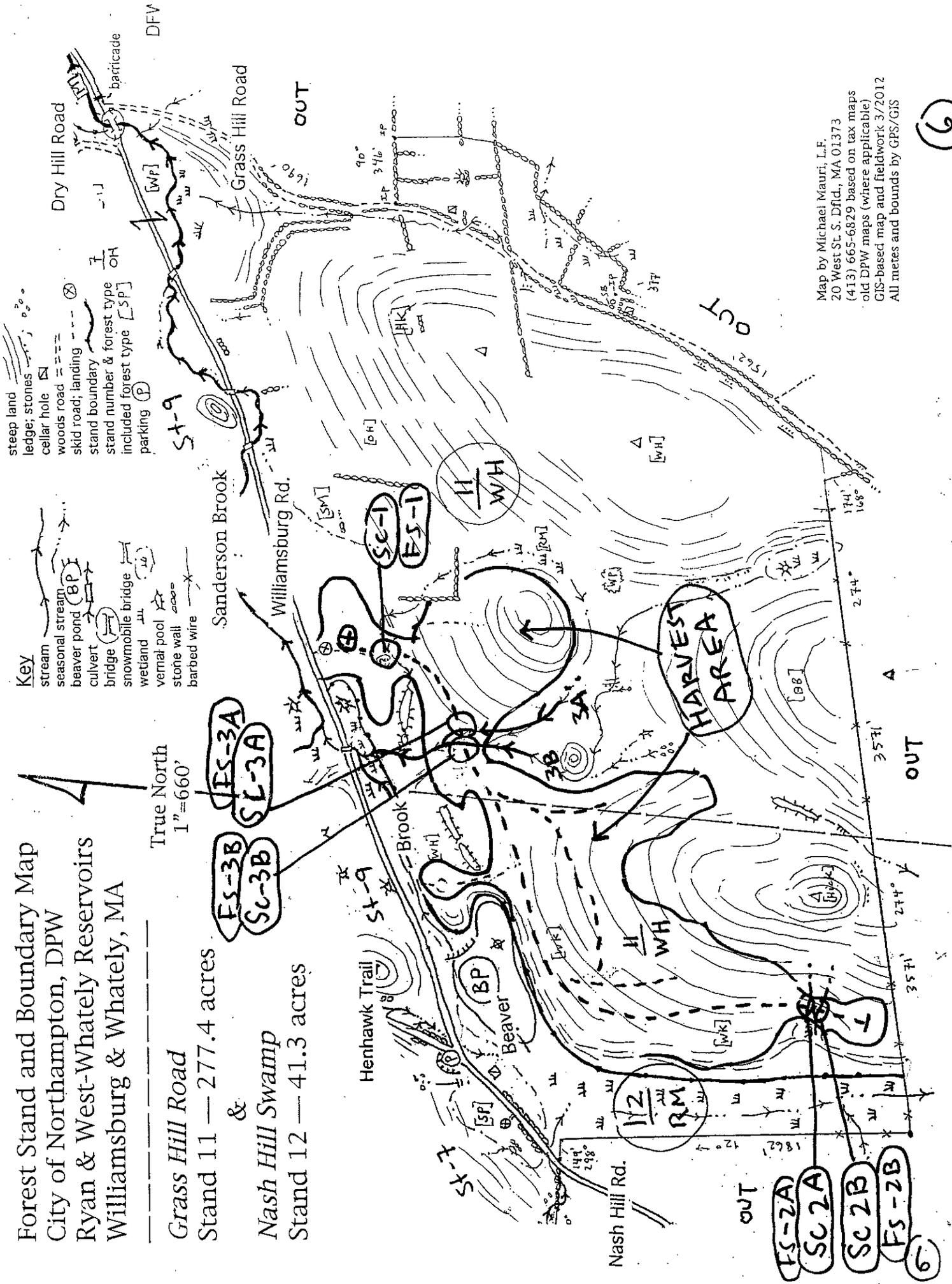
ACRES: 2,440 +/- (ca. 94.5 is water)
TOWNS: Whately, Conway and Williamsburg
TOPO SHEET: Williamsburg



Forest Stand and Boundary Map
 City of Northampton, DPW
 Ryan & West-Whately Reservoirs
 Williamsburg & Whately, MA

True North
 1" = 660'

Grass Hill Road
 Stand 11 — 277.4 acres
 &
 Nash Hill Swamp
 Stand 12 — 41.3 acres



Map by Michael Mauri, L.F.
 20 West St. S. DfId., MA 01373
 (413) 665-6829 based on tax maps
 old DPW maps (where applicable)
 GIS-based map and fieldwork 3/2012
 All metes and bounds by GPS/GIS



Division of Fisheries & Wildlife

Wayne F. MacCallum, *Director*

Sean Libbey
Department of Conservation and Recreation
40 Cold Storage Drive
P.O. Box 484
Amherst, MA 01004

Cutting Plan No. 337-6777-14
NHESP Tracking No. 12-30639d
Town Whately/Williamsburg
Road Williamsburg Road
Landowner City of Northampton DPW
Preparer Michael Mauri
Date January 28, 2014

Dear Sean,

The Natural Heritage and Endangered Species Program (NHESP) of the Massachusetts Division of Fisheries and Wildlife (the Division) has reviewed the above-referenced Forest Cutting Plan (hereinafter "the Plan") pursuant to the special approval procedures of the Forest Cutting Practices Regulations (304 CMR 11.04(6)). Based on details of the Plan and information in the NHESP database, the Division does not expect activities proposed in the Plan to negatively impact Estimated Habitat or result in "Take" (as defined in 321 CMR 10.02) of plant or animal species protected under the Massachusetts Endangered Species Act (MESA) (M.G.L. c. 131A) and its implementing regulations (321 CMR 10.00). Therefore, the Division does not require that the Plan be modified at this time.

Please note this determination is based on the site visit findings from DCR Service Forestry indicating that the marking has been done in such a way as to maintain the Mole Salamander CMP requirements for canopy retention. Should the marking increase leading to a decrease in canopy cover, please contact the Division to discuss forestry operations and Mole Salamander CMP requirements.

Please copy the Division on any proposed amendments or extensions to the Plan and on the approved plan for the site. If you have any questions about this letter, please contact Brent Powers at (508) 389-6354.

Sincerely,

Thomas W. French, Ph.D.
Assistant Director

Cc: Whately Conservation Commission (via email)
Williamsburg Conservation Commission (via email)



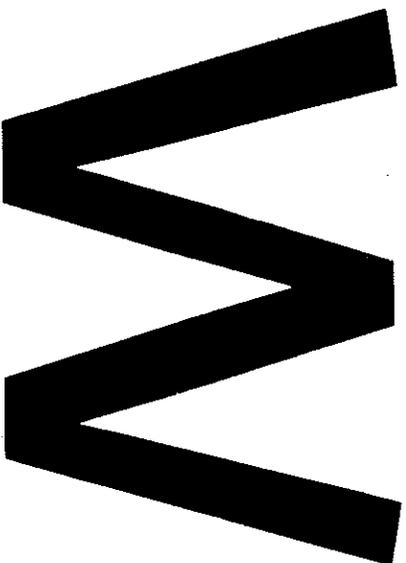


dcr

COMMONWEALTH OF MASSACHUSETTS
Department of Conservation and Recreation
Division of State Parks and Recreation

FILE # 331.6717.14

FOREST CUTTING PLAN CERTIFICATE



Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that City of Northampton DPW ^{40 Nival Sanford} Forest Street, Northampton in accordance with the
(Name of Owner) (Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in the Landcut Office with the Dept. of Conservation
and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the

Williamslburg Rd. lot, "Grass Hill", Whately + Williamslburg

Approval Date 1.14.2014

ISSUED BY:

Director's Agent Sean Fisher

Priscilla E. Geigis, Director

DCR Phone No. (413) 545-4539

Division of State Parks and Recreation

(413) 545-5752

51

Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00
(Effective Date: 1/1/04)

For DCR Use Only:

File Number 127.6778.14 Case No. _____
 Date Rec'd 12.23.13 Nat. Hert. NO
 Earliest Start 1.9.2014 Nat. Hert. Imp. _____
 River Basin _____ Pub. Dr. Wat. Northampton
 Gen. Obj. KT ACEC _____

Site Information

Location

"Rocks Rd. East " (MTN ST Stand 3*)
 Town: Hatfield
 Road: Rocks & Chestnut Mtn Rds.
 Acres: 20.0 Proposed Start: 12/1/2012
 Vol. Mbf 31.217 Vol. Cds. 53 Vol tons 122
 *plus former Martin & Benney parcels

Plan Preparer

Name: Michael Mauri
 Address: 20 West Street
 Town, State, Zip: South Deerfield, MA, 01373
 Phone: (413) 665-6829
 Type of Preparer: Licensed Forester
 *Mass Forester License # 161
 *Required for land under CH 61, CH 61A, or Forest Stewardship

Landowner

Name: City of Northampton DPW
 Attention: Nicole Sanford, Sr. Env. Scientist
 Mailing Address: 125 Locust Street
 Town, State, Zip: Northampton, MA 01060
 Phone: (413) 587-1376

Ch61 61A 61B Stew *Case # _____
 FSC GC CR CR Holder _____

Licensed Timber Harvester**

Name _____
 Address _____
 Town, State, Zip _____
 Phone _____
 Mass. Lic. Harvester # _____

**This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	<u>CU</u>	<u>CU</u>		
Existing Structure	<u>Y</u>	<u>Y</u>		
Type of Bottom	<u>ST</u>	<u>ST</u>		
Bank Height (ft)	<u>3</u>	<u>3</u>		
Stabilization	<u>*</u>	<u>*</u>		

Wetland Crossings NO * Stone/gravel if needed

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	<u>50</u>	<u>50</u>	<u>VA</u>	

Harvesting in Wetlands NO

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

Service Forester Comments

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note:
 Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

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Products to be Harvested*

Species	Mbf/cds		Mbf/cds
White Pine	0.48	Red Maple	0.00
Red Pine	15.67	Sugar Maple	
Pitch Pine		Red Oak	0.49
Hemlock	13.51	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash	0.00	Total Mbf	31.22
Beech		Cordwood (cds)	53
White Birch	0.00	SW Pulp (Tons**)	122
B & Y Birch	1.07	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

**2 tons per cord

*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Cutting Standards

Indicate location on map	ST-3**			
Forest Type	HH/RP			
Acres	20.0			
Landowner Objective	LT			
Designation of Trees	CT			
Type of Cut	SE/TH			
Source of Regeneration	*			

*AD/SE; plus former Martin & Benney Lots

Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; **this decision will also determine the future condition of the forest for decades to come.** After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

LT - Long-term Forest Management

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

ST - Short-term Harvest

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.

I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.

I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.

I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

Edward S. Kury

Signature of landowner(s)

Date

12/18/13

Determination and Status

127-6778-14

Approved Disapproved Expires *12.24.2015*

Sam Abbey
Signature of Service Forester/Director's Agent

1/21/14
Date

Extension 1 2 Expires */* Ser. For. Ints. */*

Amendment App 1 Dis 1 App 2 Dis 2 */*

Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Forest Types

WP White Pine HK Hemlock OM Mixed Oak
WK WP/Hem HH Hem/Hdwd RM Red Maple
WH WP/Hdwd BC Black Cherry BE Beech
WO WP/Oak BB Bee/Bir/Map SF Spruce/Fir
RP Red Pine OH Oak/Hdwd SM Sugar Maple
SR Red Spruce OR N Red Oak PP Pitch Pine

Designation of Trees

CT Cut Tree
LT Leave Tree
SB Stand Boundary
OT Other
Landowner Objective
LT Long-term Mgt.
ST Short-term Har.

Type of Cut

SH Shelterwood
ST Seed Tree
CC Clear Cut
SE Selection
SA Salvage
SN Sanitation

Intermediate Harvests:
CT Commercial Thin
NT Non Com Thin
Non-Standard Systems:
HG Highgrade*
DL Diameter Limit*
OT Other*

Source of Regeneration

AD Advanced
SE Natural Seed
PL Plant
CO Coppice
DS Direct Seed
OT Other

*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page

pg 4 of 5

Forest Cutting Plan

Landowner City of Northampton

Narrative Page (Effective Date: 1/1/04)

Town Hatfield

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

File Number _____

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment; "LV": leave tree top whole, do not utilize.

Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed
—	Stand 3 and former Martin & Benney Parcels: this harvest is designed to benefit red oaks, white pines and other trees by letting in more light around their crowns, as well as to pre-salvage red pine and overstory hemlock (i.e. cutting these because they are in decline and not expected to recover). About 50% of the hemlock and red pine will be cut. To the extent possible, all unutilized material (i.e. tops or pulp trees) should be left on the ground in their full length rather than cut up into short lengths. This will provide better habitat and more-closely simulates natural conditions			—

Regeneration & Future Condition

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

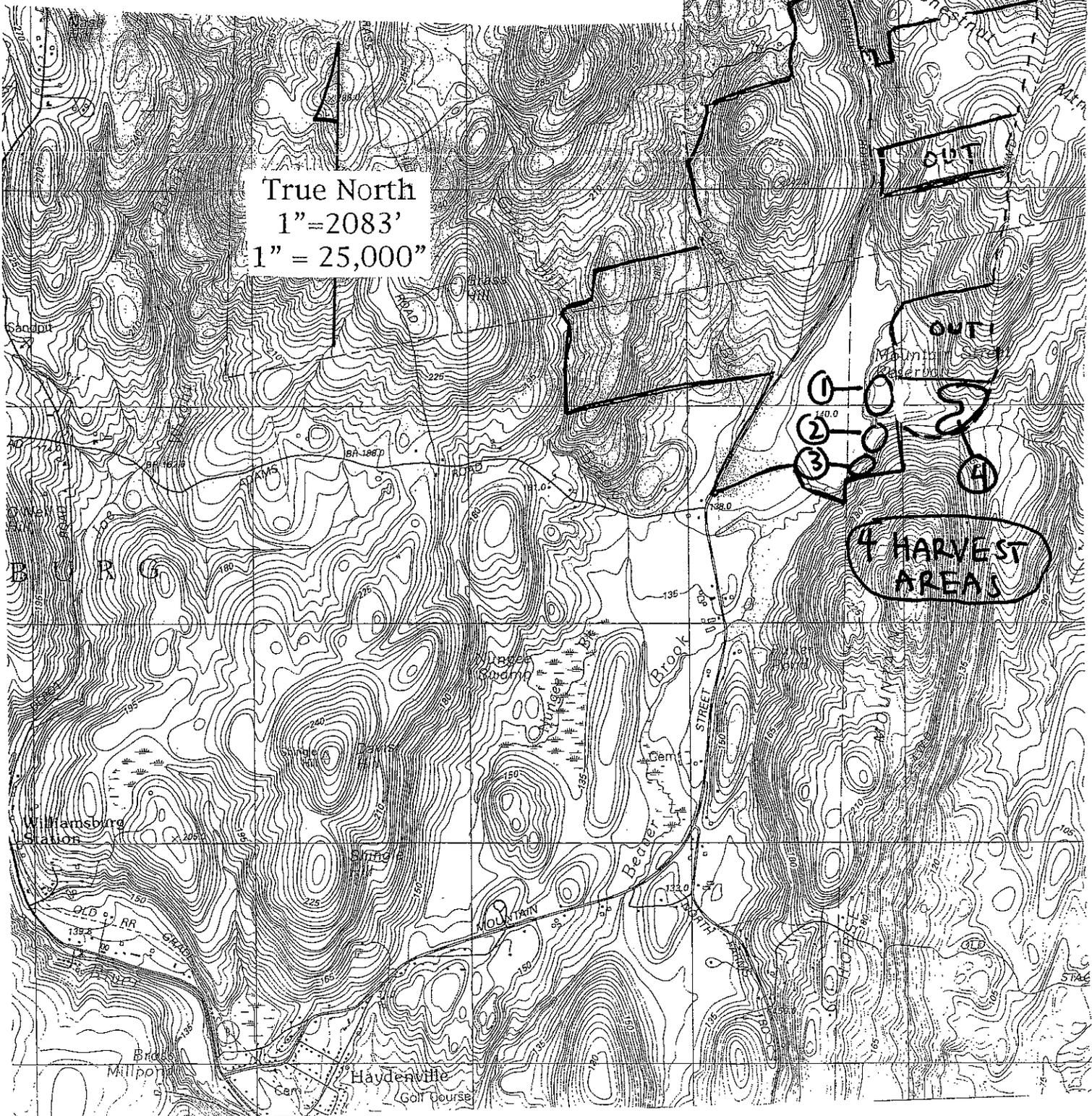
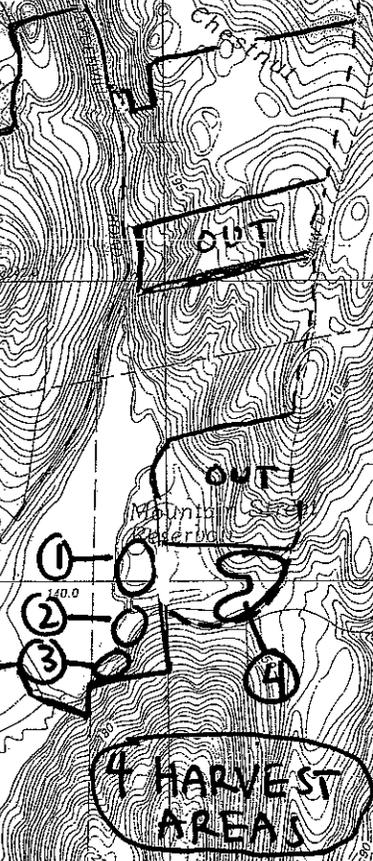
Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre
-----------	-------------------------------------	--

Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory
-----------	---

LOCUS MAP
LAND OF: City of Northampton
Department of Public Works
Mountain Street Reservoir

ACRES: 639 +/- (ca. 69.2 is water)
TOWNS: Whately, Williamsburg and Hatfield
TOPO SHEET: Williamsburg

True North
1" = 2083'
1" = 25,000"



Forest Stand and Boundary Map
 City of Northampton, DPW
 Mountain Street Reservoir
 Hatfield & Williamsburg, MA

Mountain Street Dam
 Stand 5 — 2.8 acres
 &
 Rocks Road East
 Stand 3 — 24.6 acres

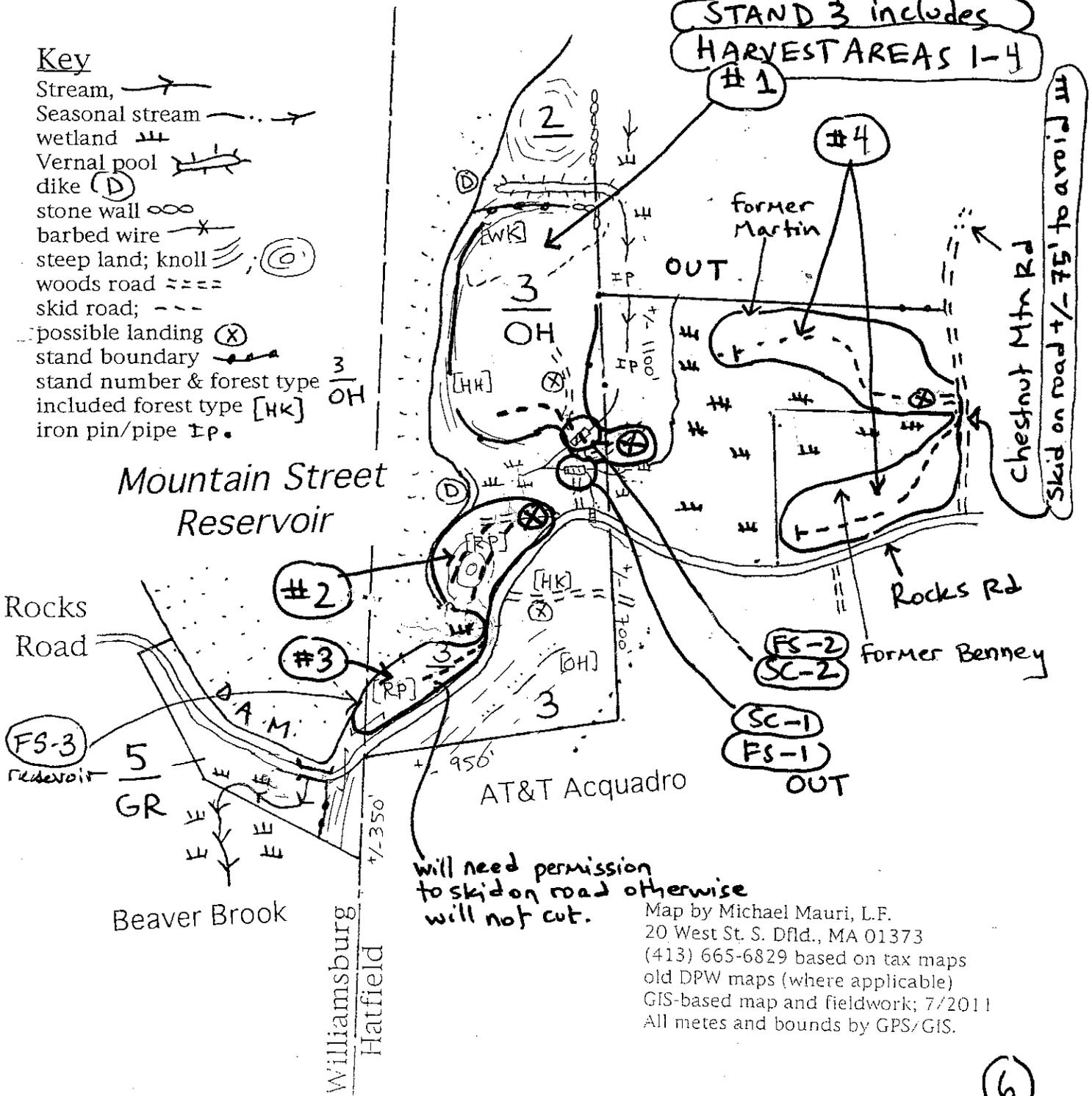


True North
 1"=500'

STAND 3 includes
 HARVEST AREAS 1-4

Key

- Stream,
- Seasonal stream
- wetland
- Vernal pool
- dike (D)
- stone wall
- barbed wire
- steep land; knoll
- woods road
- skid road;
- possible landing (X)
- stand boundary
- stand number & forest type
- included forest type [HK]
- iron pin/pipe

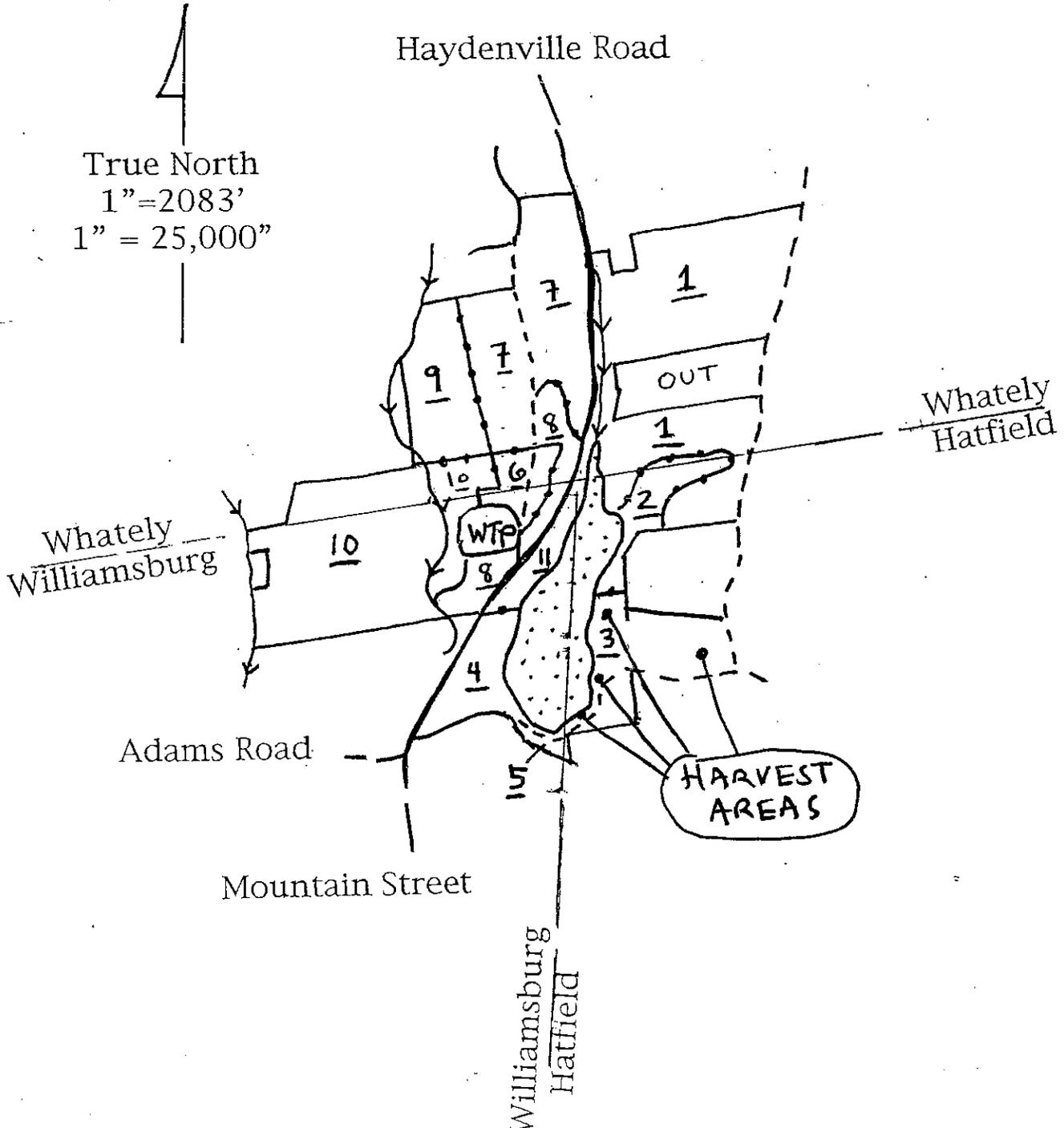


Chestnut Mtn Rd
 Skid on road +/- 75' to avoid III

Will need permission
 to skid on road otherwise
 will not cut.

Map by Michael Mauri, L.F.
 20 West St. S. Dfd., MA 01373
 (413) 665-6829 based on tax maps
 old DPW maps (where applicable)
 GIS-based map and fieldwork; 7/2011
 All metes and bounds by GPS/GIS.

STAND LOCATOR MAP
 LAND OF: City of Northampton
 Department of Public Works
Mountain Street Reservoir
 ACRES: 639 +/- (ca. 69.2 is water)
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dcR

COMMONWEALTH OF MASSACHUSETTS

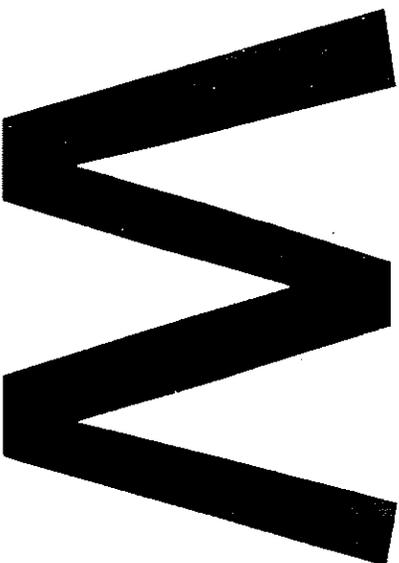
Department of Conservation and Recreation

Division of State Parks and Recreation

FILE #

127.6778.14

FOREST CUTTING PLAN CERTIFICATE



Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that

City of Northampton DPW
(Name of Owner)

*Nicole Sanford
(Address)

Forest Street Northampton

in accordance with the

provision of M.G.L. Chapter 132, Section 40-46, filed in the Ordernot Office with the Dept. of Conservation and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the

Fields Rd. & Chestnut St. Rd., Hatfield

Approval Date 1.21.2014

ISSUED BY:

Director's Agent Jean Filley

Priscilla E. Geigis, Director

DCR Phone No. (413) 545-4539

Division of State Parks and Recreation

(413) 545-5752

50

Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00
(Effective Date: 1/1/04)

For DCR Use Only:

File Number 337.6780.14 Case No. _____
 Date Rec'd 12.23.13 Nat. Hert. YES /
 Earliest Start 1.9.14 Nat. Hert. Imp. _____
 River Basin _____ Pub. Dr. Wat. Northampton
 Gen. Obj. KT ACEC _____

Site Information

Location

"Williamsburg Rd. Roadside" (R & W-W ST 9 & 11)

Town: Whately

Road: Williamsburg Road

Acres: 14.5 Proposed Start: 12/1/2012

Vol. Mbf 22 Vol. Cds. 6 Vol tons 60

Plan Preparer

Name: Michael Mauri
 Address: 20 West Street
 Town, State, Zip: South Deerfield, MA, 01373
 Phone: (413) 665-6829
 Type of Preparer: Licensed Forester
 *Mass Forester License # 161
 *Required for land under CH 61, CH 61A, or Forest Stewardship

Landowner

Name: City of Northampton DPW
 Attention: Nicole Sanford, Sr. Env. Scientist
 Mailing Address: 125 Locust Street
 Town, State, Zip: Northampton, MA 01060
 Phone: (413) 587-1376

Ch61 61A 61B Stew *Case # _____
 FSC GC CR CR Holder _____

Licensed Timber Harvester**

Name _____
 Address _____
 Town, State, Zip _____
 Phone _____
 Mass. Lic. Harvester # _____

**This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

Stream Crossings NO

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing				
Existing Structure				
Type of Bottom				
Bank Height (ft)				
Stabilization				

Wetland Crossings NO

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	<u>50'</u>			

Harvesting in Wetlands NO

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

Service Forester Comments

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LU Landowner	PO Poled	ST Stone		CR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note:

Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

If Other (OT) is used in any category an explanation must be given on an attached narrative page

1

Forest Cutting Plan

Landowner City of Northampton

Narrative Page (Effective Date: 1/1/04)

Town Whately

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

File Number _____

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment; "LV": leave tree top whole, do not utilize.

Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed
9+11	hemlock	6" - 24" +/-	any	+/- 80% HK BA
↓	red pine	6" - 12" +/-	any	+/- 100% RP BA
↓	white pine	10 - 18" +/-	Weak crowns	+/- 10% WP BA
↓	hardwood	6" - 11" +/-	" "	" "

Regeneration & Future Condition

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre
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	Stand 9 & 11 Roadside: the purpose of this harvest is to pre-salvage red pine and hemlock, both of which are declining and not expected to recover. Both red pine and hemlock occur in concentrations along the road. There is also white pine, red oak, and other hardwoods. The intention is to pre-emptively avoid having to deal with a lot of dead trees in this roadside area. Trees that fall within 10' of the sideline of the existing road will be marked (in a color other than blue) and posted as public shade trees and will only be cut if this is approved by the relevant process in the Town of Whately. Trees marked in blue are beyond the 10' line. Major challenges of this job include the nearly continuous riparian and the large amount of potential slash. Arrangements will be made to keep slash to a minimum, especially within 50' of the road and within 25' of Sanderson Brook.
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Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory
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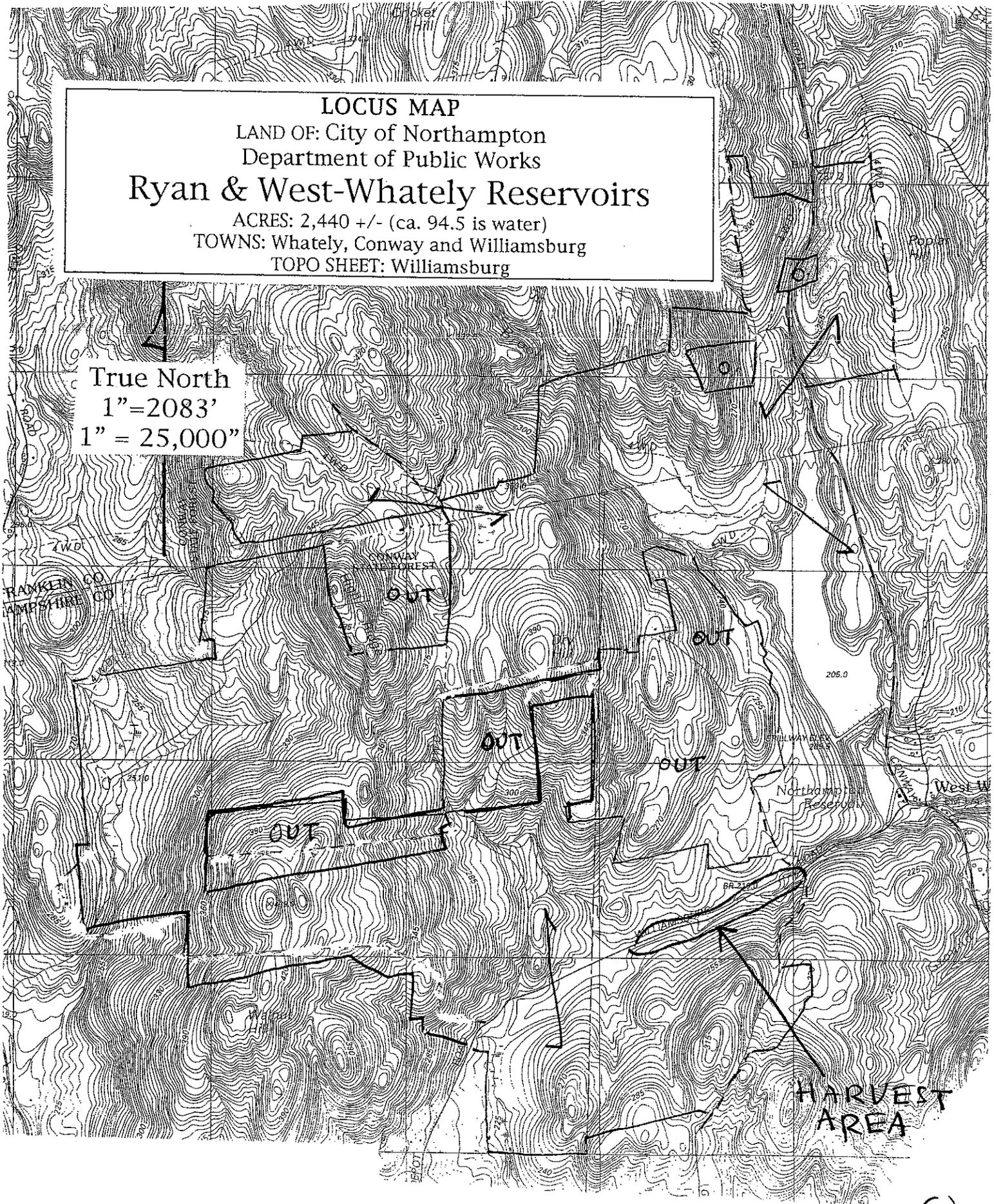
LOCUS MAP

LAND OF: City of Northampton
Department of Public Works

Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)
TOWNS: Whately, Conway and Williamsburg
TOPO SHEET: Williamsburg

True North
1" = 2083'
1" = 25,000"



STAND LOCATOR MAP

LAND OF: City of Northampton

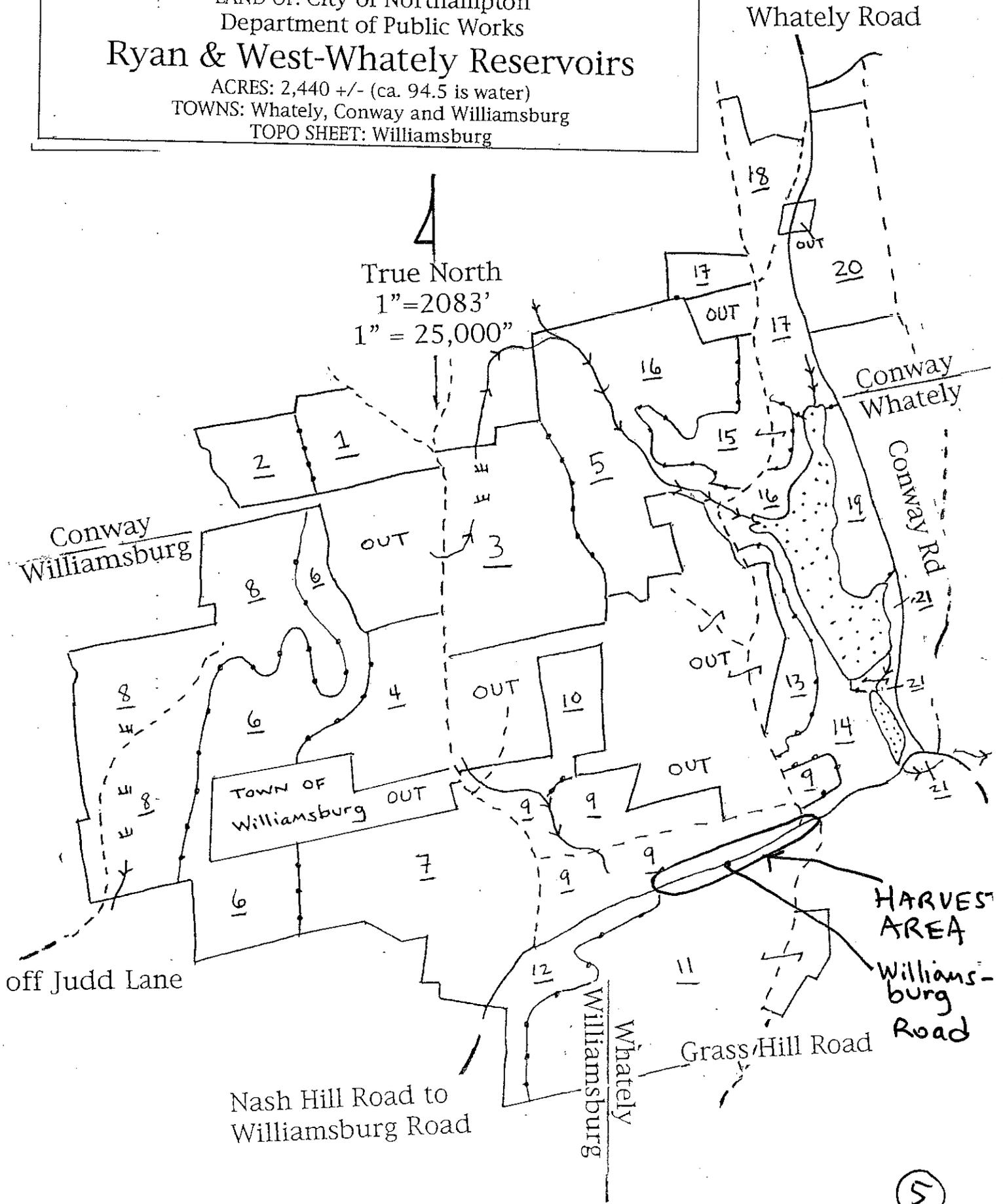
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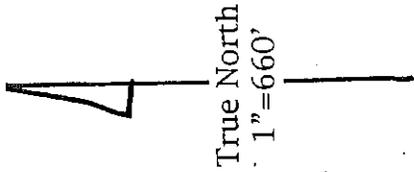
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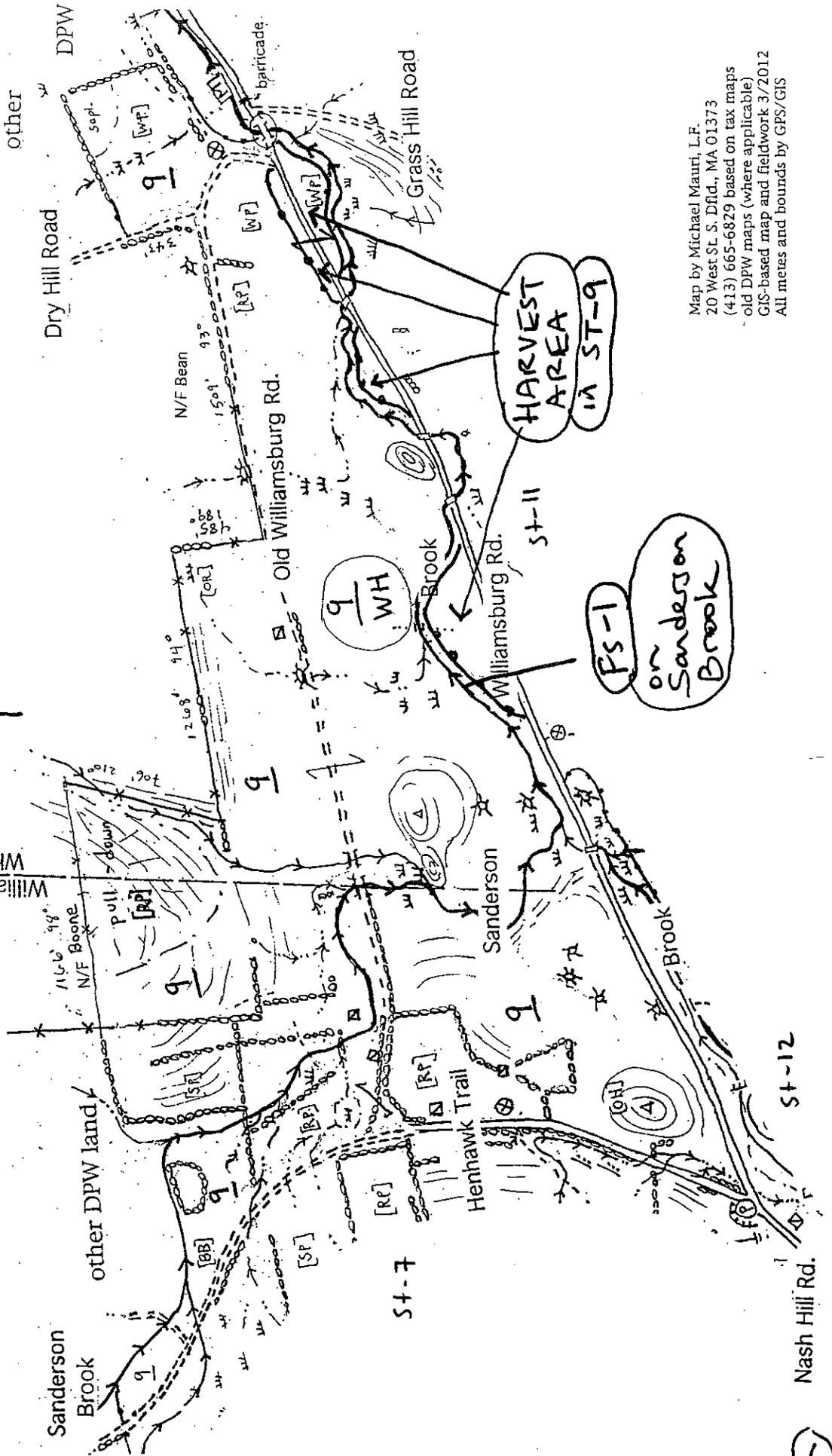


Forest Stand and Boundary Map
 City of Northampton, DPW
 Ryan & West-Whately Reservoirs
 Williamsburg & Whately, MA

Old Williamsburg Road
 Stand 9 — 208.1 acres



- Key**
- stream
 - seasonal stream
 - beaver pond (BP)
 - culvert
 - bridge
 - snowmobile bridge
 - wetland
 - vernal pool
 - stone wall
 - barbed wire
 - steep land
 - ledge; stones
 - cellar hole
 - woods road
 - skid road; landing
 - stand boundary
 - stand number & forest type
 - included forest type [SP]
 - parking (P)

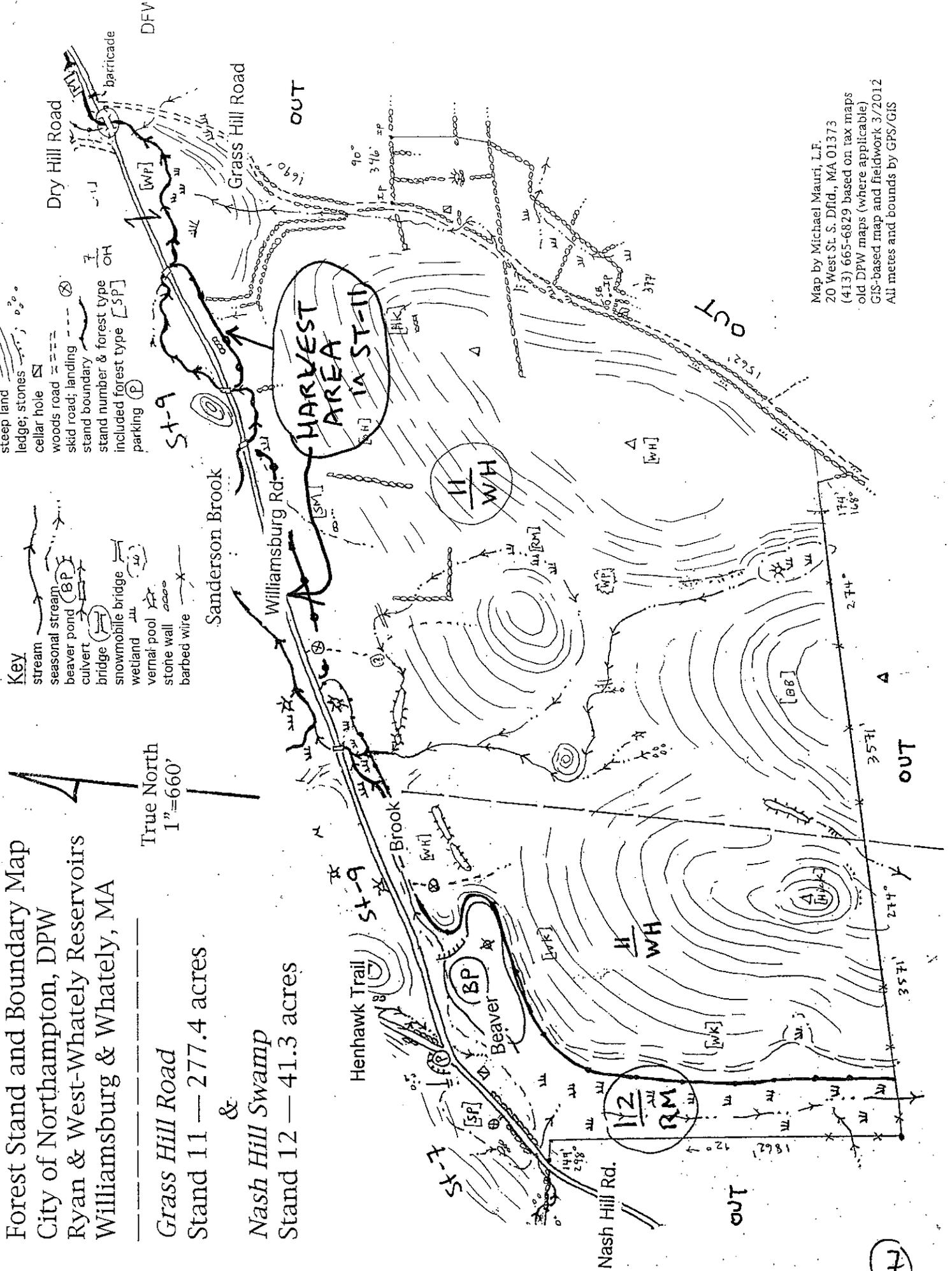


Map by Michael Mauri, L.F.
 20 West St. S. Dfcd., MA 01373
 (413) 665-6829 based on tax maps
 old DPW maps (where applicable)
 GIS-based map and fieldwork 3/2012
 All meters and bounds by GPS/GIS

Forest Stand and Boundary Map
 City of Northampton, DPW
 Ryan & West-Whately Reservoirs
 Williamsburg & Whately, MA

Grass Hill Road
 Stand 11 — 277.4 acres

&
 Nash Hill Swamp
 Stand 12 — 41.3 acres



Map by Michael Mauri, L.F.
 20 West St. S. Dfid., MA 01373
 (413) 665-6829 based on tax maps
 old DPW maps (where applicable)
 GIS-based map and fieldwork 3/2012
 All meters and bounds by GPS/GIS



Division of Fisheries & Wildlife

Wayne F. MacCallum, *Director*

Sean Libbey
Department of Conservation and Recreation
40 Cold Storage Drive
P.O. Box 484
Amherst, MA 01004

Cutting Plan No. 337-6780-14
NHESP Tracking No. 12-30639c
Town Whately
Road Williamsburg Road
Landowner City of Northampton DPW
Preparer Michael Mauri
Date January 28, 2014

Dear Sean,

The Natural Heritage and Endangered Species Program (NHESP) of the Massachusetts Division of Fisheries and Wildlife (the Division) has reviewed the above-referenced Forest Cutting Plan (hereinafter "the Plan") pursuant to the special approval procedures of the Forest Cutting Practices Regulations (304 CMR 11.04(6)). Based on details of the Plan and information in the NHESP database, the Division does not expect activities proposed in the Plan to negatively impact Estimated Habitat or result in "Take" (as defined in 321 CMR 10.02) of plant or animal species protected under the Massachusetts Endangered Species Act (MESA) (M.G.L. c. 131A) and its implementing regulations (321 CMR 10.00). Therefore, the Division does not require that the Plan be modified at this time.

Please copy the Division on any proposed amendments or extensions to the Plan and on the approved plan for the site. If you have any questions about this letter, please contact Brent Powers at (508) 389-6354.

Sincerely,

A handwritten signature in cursive script that reads "Thomas W. French".

Thomas W. French, Ph.D.
Assistant Director

Cc: Whately Conservation Commission (via email)





dcR

COMMONWEALTH OF MASSACHUSETTS

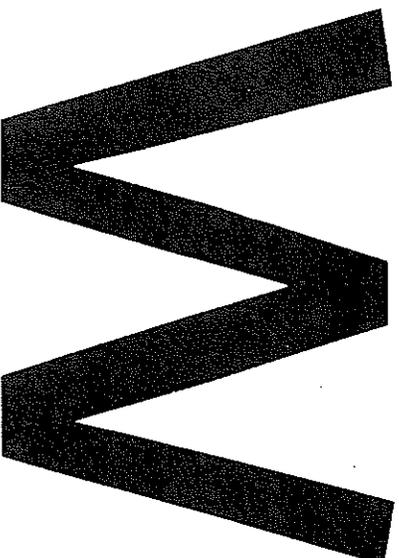
Department of Conservation and Recreation

Division of State Parks and Recreation

FILE #

337.6180.14

FOREST CUTTING PLAN CERTIFICATE



Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that City of Northampton DPW ^{* Nicole Sanford} in accordance with the
(Name of Owner) (Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in the Ordinance Office with the Dept. of Conservation
and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the

Williamburg Rd. West, Whately

Approval Date 1.31.2014

Director's Agent Sean Fiske

DCR Phone No. (413) 545-4539

(413) 545-5152

ISSUED BY:

Priscilla E. Geigis, Director
Division of State Parks and Recreation

(SL)

Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

For DCR Use Only:

File Number 337-6776-14 Case No. _____
 Date Rec'd 12.23.13 Nat. Hert. NO
 Earliest Start 1.9.2014 Nat. Hert. Imp. _____
 River Basin CT Pub. Dr. Wat. YES
 Gen. Obj. LT ACEC NO

Site Information

Location

"Dry Hill East" (R & W-W Stand 13)

Town: Whately

Road: Dry Hill Road

Acres: 8.0 Proposed Start: 12/1/2012

Vol. Mbf 17.971 Vol. Cds. 10 Vol tons 68

Plan Preparer

Name: Michael Mauri

Address: 20 West Street

Town, State, Zip: South Deerfield, MA, 01373

Phone: (413) 665-6829

Type of Preparer: Licensed Forester

*Mass Forester License # 161

*Required for land under CH 61, CH 61A, or Forest Stewardship

Landowner

Name: City of Northampton DPW

Attention: Nicole Sanford, Sr. Env. Scientist

Mailing Address: 125 Locust Street

Town, State, Zip: Northampton, MA 01060

Phone: (413) 587-1376

Ch61 61A 61B Stew *Case # _____
 FSC GC CR CR Holder _____

Licensed Timber Harvester**

Name _____

Address _____

Town, State, Zip _____

Phone _____

Mass. Lic. Harvester # _____

**This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

Stream Crossings NO

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing				
Existing Structure				
Type of Bottom				
Bank Height (ft)				
Stabilization				

Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing	<u>50'</u>			
Mitigation	<u>*</u>			
Stabilization	<u>CO</u>			

Filter Strips NO

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)				

Harvesting in Wetlands NO

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

Service Forester Comments

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note:

Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

(1)

Products to be Harvested*

Species	Mbf/cds		Mbf/cds
White Pine	17.18	Red Maple	
Red Pine	0.00	Sugar Maple	
Pitch Pine		Red Oak	0.35
Hemlock	0.00	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hwd.	
White Ash		Total Mbf	17.97
Beech		Cordwood (cnds)	10
White Birch		SW Pulp (Tons)**	68
B & Y Birch	0.44	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

**2 tons per cord

*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Forest Products

Stand Treatment

Cutting Standards

Indicate location on map	ST-13			
Forest Type	WH			
Acres	8.0			
Landowner Objective	LT			
Designation of Trees	CT			
Type of Cut	TH			
Source of Regeneration	*			

*N/A

Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; **this decision will also determine the future condition of the forest for decades to come.** After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

LT - Long-term Forest Management

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

ST - Short-term Harvest

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.

I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.

I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.

I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

Edward S. Kuntz

Signature of landowner(s)

12/18/13

Date

Landowner

Determination and Status

337-6776-14

Approved Disapproved Expires

Cutting Plan

Sean D. Libbey

Signature of Service Forester/Director's Agent

12-24-2015

1/14/14

Date

Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Service Forester

Extension 1 2 Expires 1 Ser. For. Ints. 1

Amendment App 1 Dis 1 App 2 Dis 2 1

Codes

Forest Types				Designation of Trees		Type of Cut		Source of Regeneration			
WP	White Pine	HK	Hemlock	OM	Mixed Oak	SH	Shelterwood	Intermediate Harvests:	AD	Advanced	
WK	WP/Hem	HH	Hem/Hdwd	RM	Red Maple	ST	Seed Tree	CT	Commercial Thin	SE	Natural Seed
WH	WP/Hdwd	BC	Black Cherry	BE	Beech	CC	Clear Cut	NT	Non Com Thin	PL	Plant
WO	WP/Oak	BB	Bee/Bir/Map	SF	Spruce/Fir	SE	Selection	Non-Standard Systems:*		CO	Coppice
RP	Red Pine	OH	Oak/Hdwd	SM	Sugar Maple	SA	Salvage	HG	Highgrade*	DS	Direct Seed
SR	Red Spruce	OR	N Red Oak	PP	Pitch Pine	SN	Sanitation	DL	Diameter Limit*	OT	Other
				<u>Landowner Objective</u>							
				LT	Long-term Mgt.						
				ST	Short-term Har.						

*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page pg 4 of 5

Forest Cutting Plan

Landowner City of Northampton

Narrative Page (Effective Date: 1/1/04)

Town Whately

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

File Number _____

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment; "C": use cable to pull trees from beyond this point.



Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed
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Stand 13:	this harvest is designed to benefit very tall white pines that have overcrowded, weakening crowns by letting in more light around their crowns. Cutting is as light as possible so as to not promote grapes or bittersweet. To the extent possible, all unutilized material (i.e. tops or pulp trees) should be left on the ground in their full length rather than cut up into short lengths. This will provide better habitat and more-closely simulates natural conditions. There are approximately 6 trees marked with a "C": these tend to occur on lower slopes that are approached from above. Trees to be cut beyond these points must be cabled out so that compaction caused by an uphill skid is avoided.			
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Regeneration & Future Condition

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

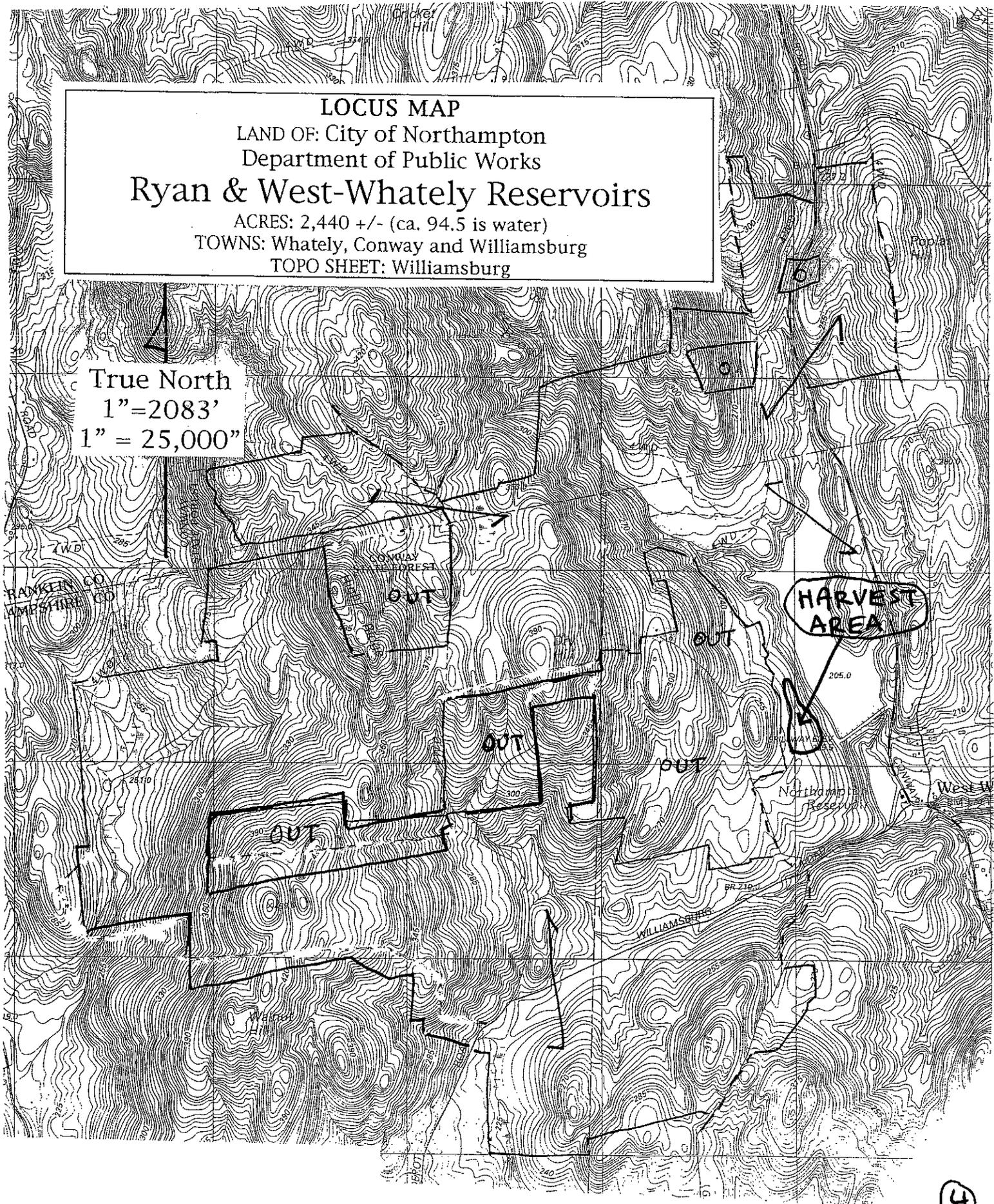
Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre
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Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understorey
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LOCUS MAP
LAND OF: City of Northampton
Department of Public Works
Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)
TOWNS: Whately, Conway and Williamsburg
TOPO SHEET: Williamsburg

True North
1" = 2083'
1" = 25,000"

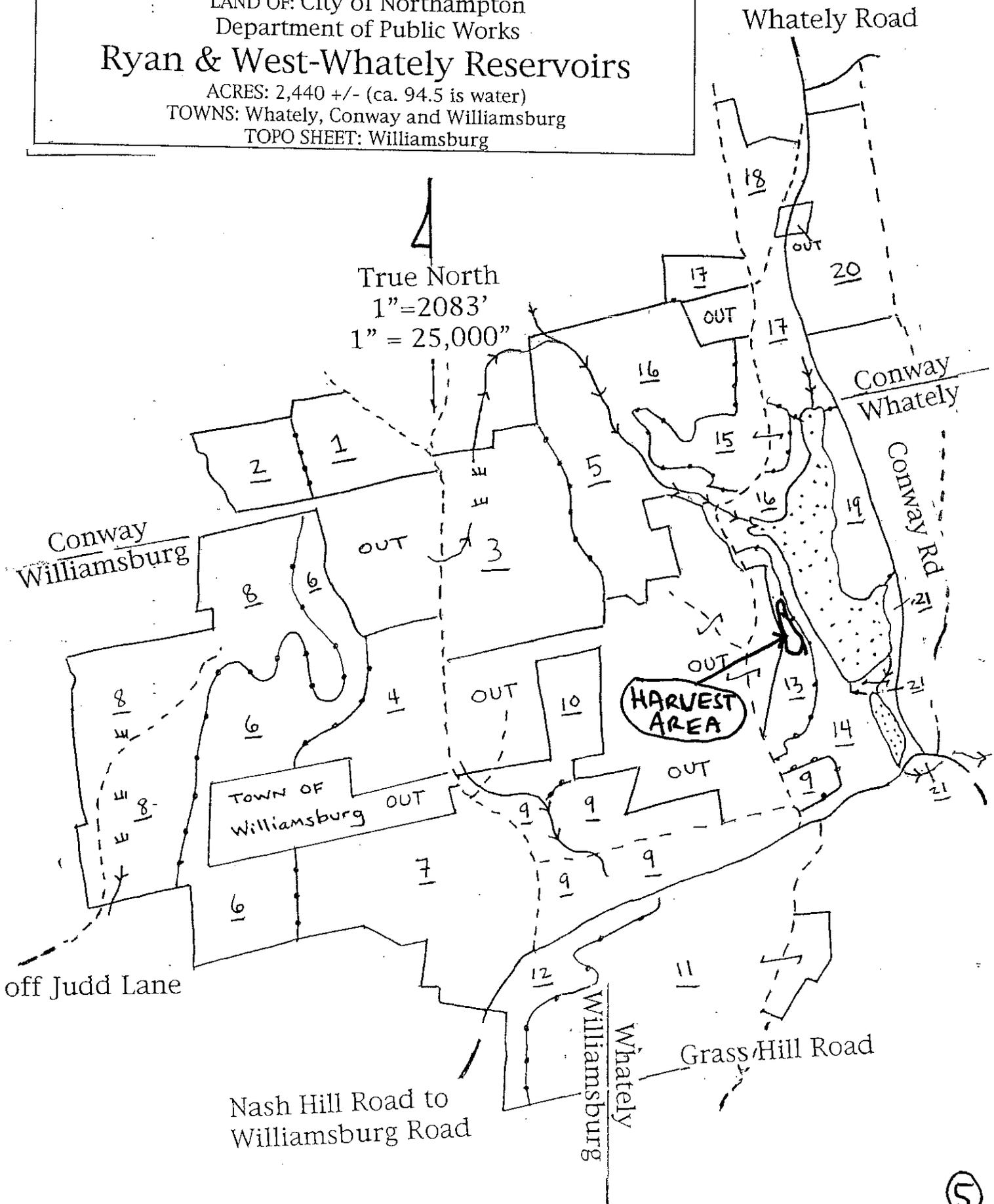


STAND LOCATOR MAP

LAND OF: City of Northampton
Department of Public Works

Ryan & West-Whately Reservoirs

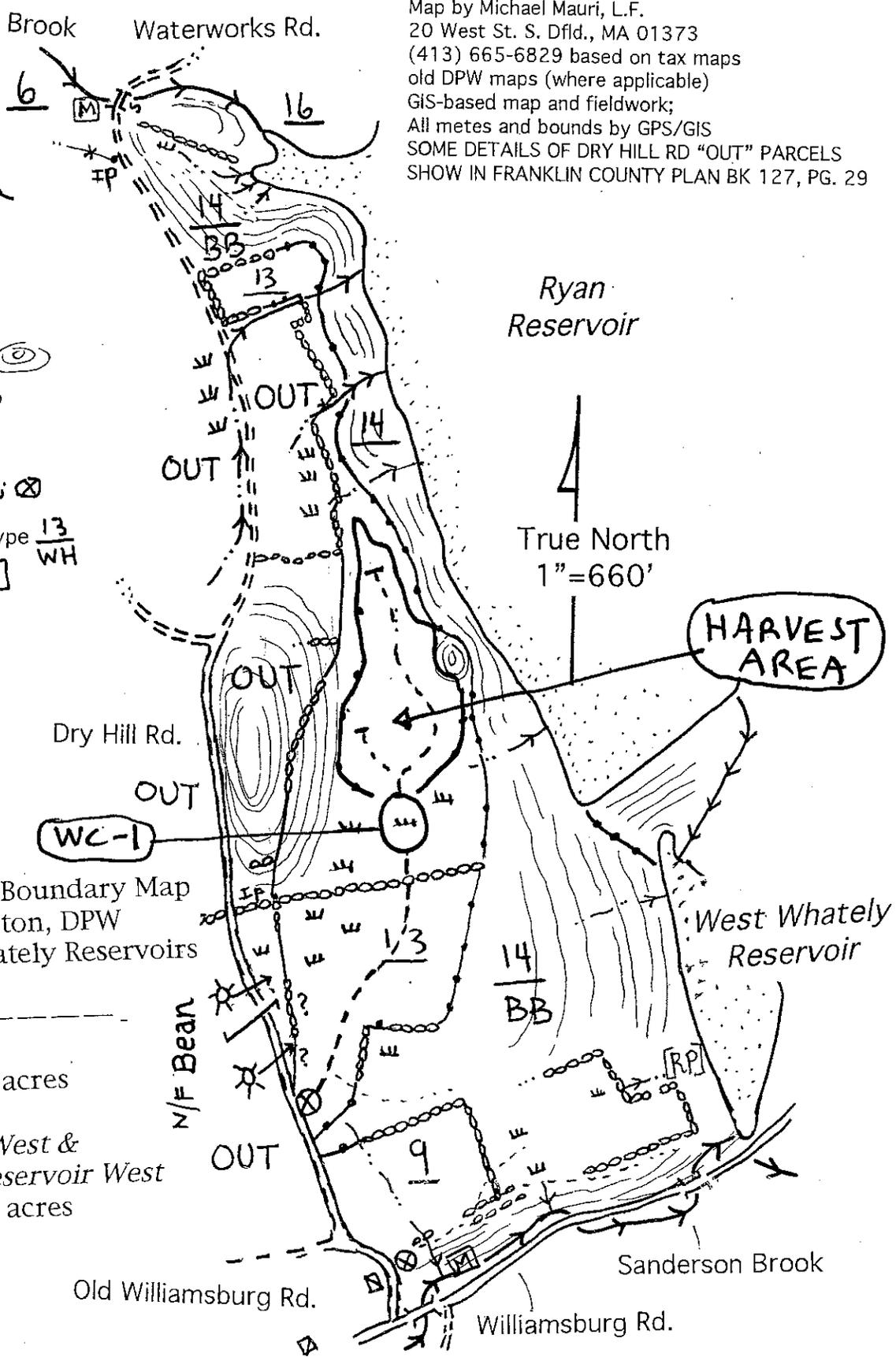
ACRES: 2,440 +/- (ca. 94.5 is water)
TOWNS: Whately, Conway and Williamsburg
TOPO SHEET: Williamsburg



Map by Michael Mauri, L.F.
 20 West St. S. Dfd., MA 01373
 (413) 665-6829 based on tax maps
 old DPW maps (where applicable)
 GIS-based map and fieldwork;
 All metes and bounds by GPS/GIS
 SOME DETAILS OF DRY HILL RD "OUT" PARCELS
 SHOW IN FRANKLIN COUNTY PLAN BK 127, PG. 29

Key

- stream
- seasonal stream
- snowmobile bridge
- wetland
- vernal pool
- stone wall
- barbed wire
- steep land; knoll
- ledge; stones
- cellar hole
- mill site
- woods road
- skid road; landing
- stand boundary
- stand number & forest type $\frac{13}{WH}$
- included forest type [WP]
- iron pin



Forest Stand and Boundary Map
 City of Northampton, DPW
 Ryan & West-Whately Reservoirs
 Whately, MA

Dry Hill East
 Stand 13 — 30.9 acres
 &
*Ryan Reservoir West &
 West-Whately Reservoir West*
 Stand 14 — 76.0 acres



dcR

COMMONWEALTH OF MASSACHUSETTS

Department of Conservation and Recreation

Division of State Parks and Recreation

FILE # 337.6776.14

FOREST CUTTING PLAN CERTIFICATE

W

Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that City of Northampton MA, 40 Nicole Sanford
(Name of Owner) Forest Street, Northampton
(Address) in accordance with the

provision of M.G.L. Chapter 132, Section 40-46, filed in The Ambler Office with the Dept. of Conservation

and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the
"Long Hill East" lot, Whately

Approval Date 1-14-2014

Director's Agent Sean Sibley

DCR Phone No. (413) 545-4539

(413) 545-5752

ISSUED BY:

Priscilla E. Geigis, Director
Division of State Parks and Recreation