

Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11033 Entry Year 2022

Acreage: 1,416

County Houghton

Management Area: Central Houghton

Revision Date: 2020-04-14

Stand Examiner: Fred Hansen

Legal Description:

T53N, R34W, Sections 7, 8, 17, 18 and 19

Identified Planning Goals:

To maintain a healthy sustainable forest with special consideration to wildlife and fisheries habitat.

Soil and topography:

The terrain is rolling in the southeast and increasingly hilly to the north and west. Western and northern portions are steep hills with deep gullies. Soils are Kalkaska-Waiska sands, Keweenaw- Kalkaska complex, Munising-Alcoma-Liminga complex and Kalkaska-Halfaday sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

This compartment adjoins state land to the south of section 18. Otherwise, this compartment is surrounded by private industrial lands managed for timber and a few small private parcels used for recreational purposes. The State owns a 1/5 undivided interest in the S1/2 of the SE1/4 of Section 17 which as if 2009 was in the process of a land transaction with would give the state sole ownership.

Unique Natural Features:

None.

Archeological, Historical, and Cultural Features:

None.

Special Management Designations or Considerations:

Stands of high quality northern hardwoods saw timber located on steep terrain with erodible soils draining into a high quality trout stream make good

candidates for SCA designations for potential old growth.

Watershed and Fisheries Considerations:

There are many tributaries to the Otter River watershed in this area. The Stand examiners recognized the higher quality values of the streams here for the Otter River and Sante Creek, as these are headwater cold-water trout streams. I would recommend 100 ft. buffers on the streams here, with an additional 5-ft buffer for every 1% of slope.

Wildlife Habitat Considerations:

This compartment provides valuable wildlife habitat to deer, bear, fur-bearers, woodland raptors and neo tropical migrant song birds. Silvicultural practices which promote improvement of within stand structural and species composition of hardwood associations through promotion of conifer species such as eastern hemlock should be emphasized here. Maintenance of wildlife movement corridors particularly along riparian influence zones is a wildlife emphasis. Along with Maintenance of aspen acreage within this compartment for early forest wildlife species.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel and an end moraine of fine-textured glacial till. The Glacial Drift thickness varies between 50 and 100 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drifcarry out timber act. There is not a current economic use for the Jacobsville, but it was used as a building stone in the past. The closest gravel pit is three miles to the southeast and potential appears to be limited. Old abandoned copper mines are located to the north (Globe and Champion). This area has not been leased before. There is no economic oil and gas production in the UP.

Vehicle Access:

There are opportunities to access this compartment from Torro Road, Valley Road and Old Road, unfortunately all of these roads are gated on private land.

Survey Needs:

Some survey is needed to carry out timber harvest activity.

Recreational Facilities and Opportunities:

The hunting opportunities in this compartment are excellent for big and small game hunting alike. However, due to the lack of vehicular access for the public, these opportunities are not readily available.

Fire Protection:

This area is not known to be fire prone.

Additional Compartment Information:

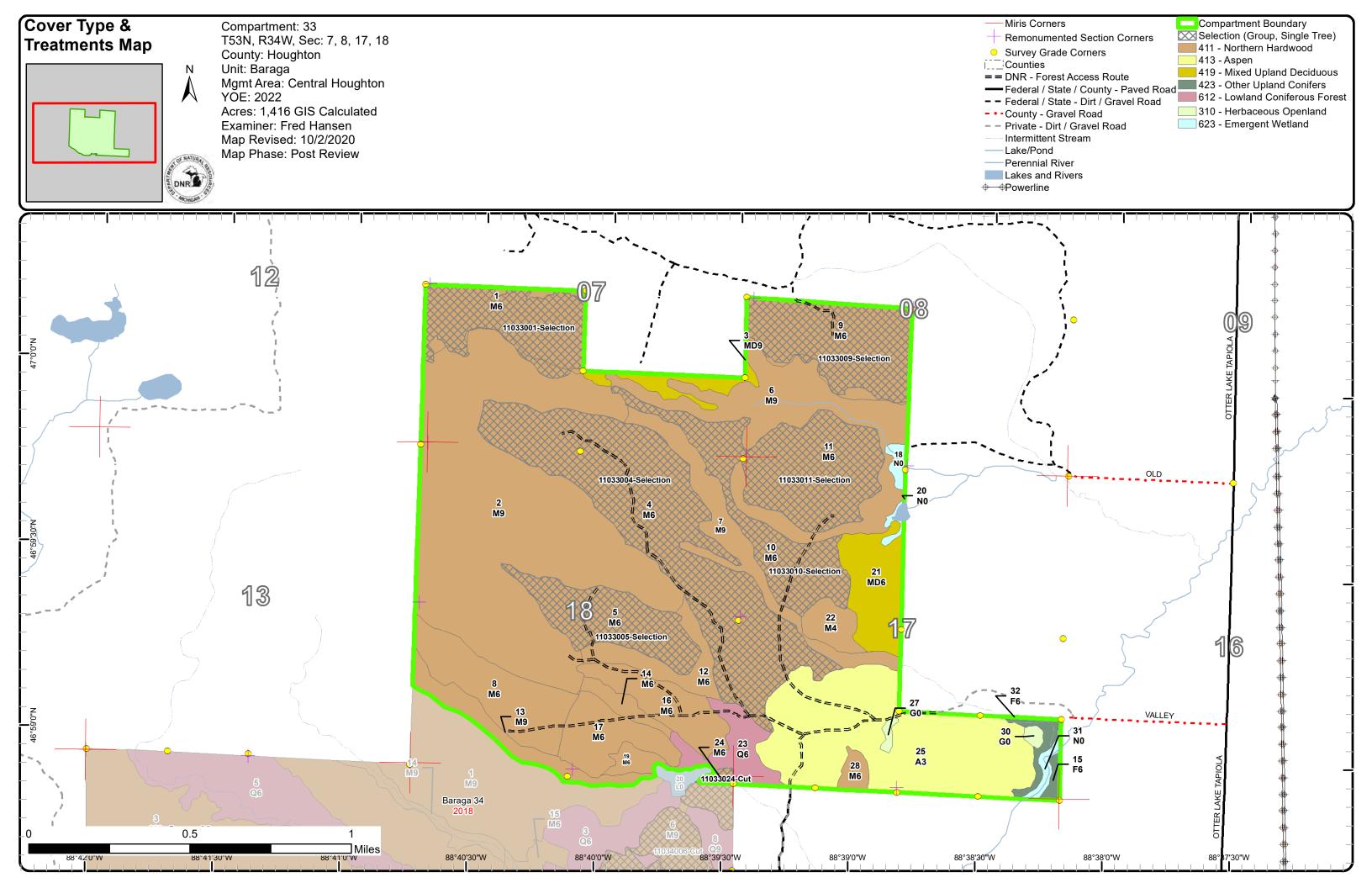
During the winter of 2019-2020 There was two heavy snow events that caused much of the saplings to bend over. Evidence of EAB was detected during inventory in 2020.

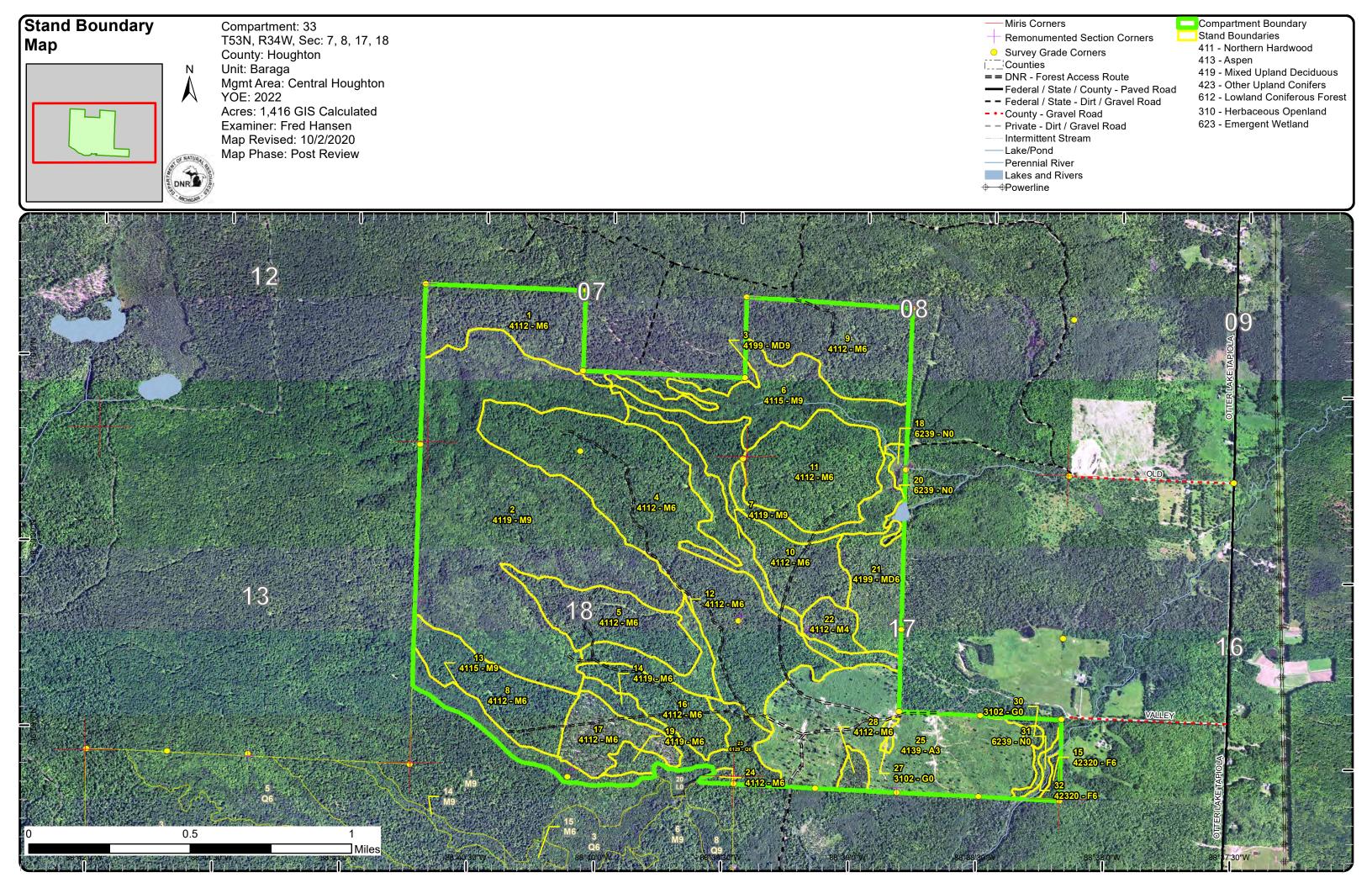
The following reports from the Inventory are attached:

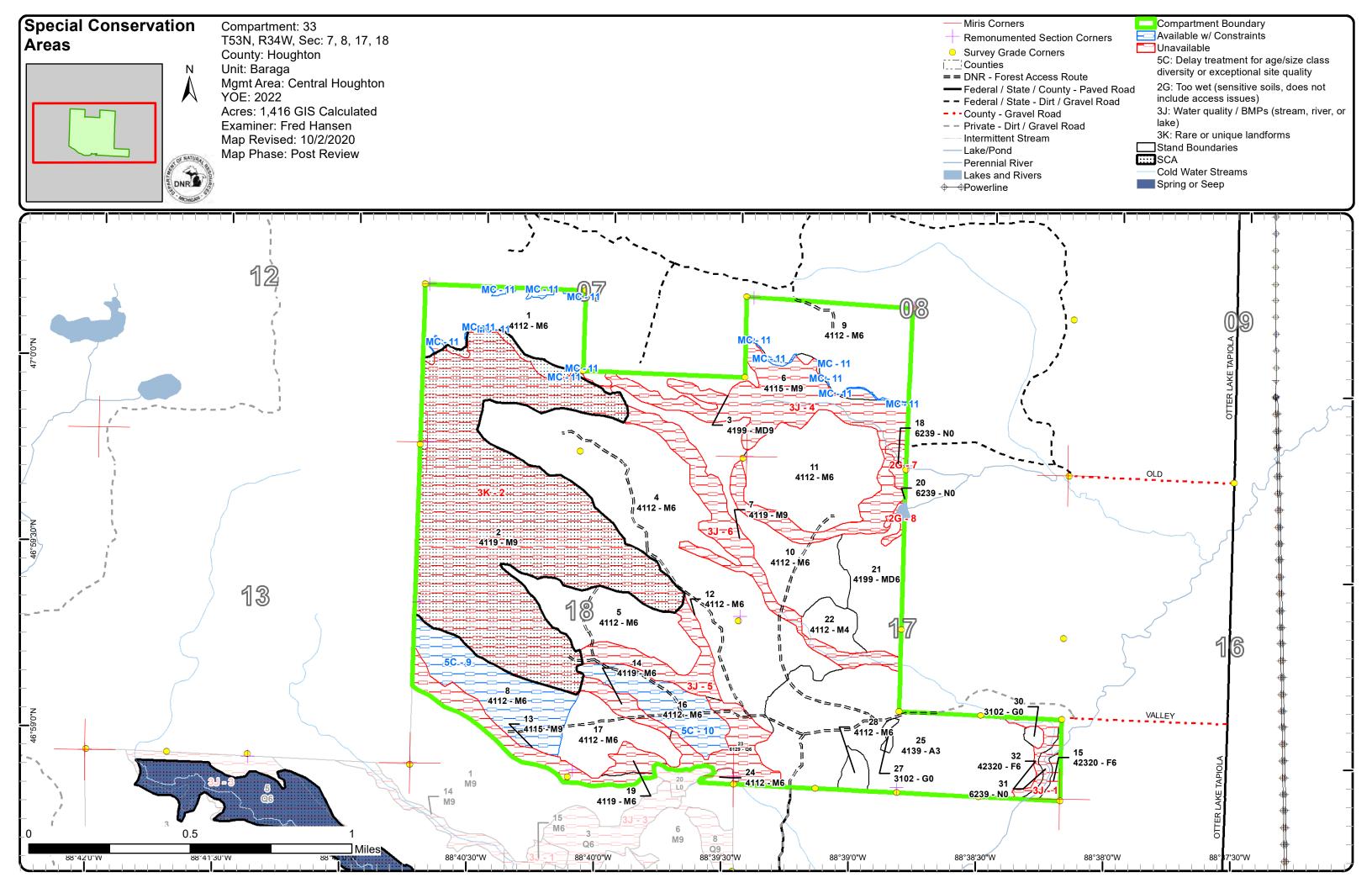
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

The following information is displayed, where pertinent, on the attached compartment maps:

Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system







Baraga Mgt. Unit

Fred Hansen: Examiner

Compartment 33 Year of Entry 2022



Age Class

	A STORE	Kaga /	37 / 8	\$ \&	\$ \\ \&\\ \&\\ \&\\ \&\\ \&\\ \&\\ \&\\	, k	S S	3/8	\$ / K	R &		S Ka	Ø /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2	\$ \display					Lag Lag	_
Aspen	0	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	,
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	
Marsh	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	53	
Northern Hardwood	0	0	0	0	0	0	0	0	0	139	0	0	0	0	0	0	0	1023	1162	
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	
Total	15	150	0	0	0	0	0	0	0	139	0	0	0	0	0	0	0	1112	1416	



Report 2 – Treatment Summary

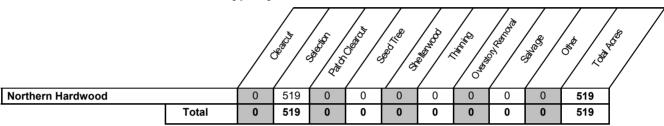
Baraga Mgt. Unit Year of Entry: 2022

Acres of Harvest

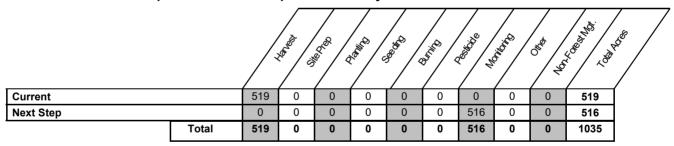
Compartment 33
Total Compartment Acres: 1,416

Commercial Harvest - 518
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



S t a

n

d

Treatment Name Acres

Stand CoverType

Size Density Stand Age R

BA Treatment Range Type

Treatment Method Cover Type Objective

Compartment: 33

Year of Entry: 2022

Age Structure Habitat Cut

Approved Treatments:

1 11033001-61.8 4112 - Maple, Poletimber 86 111-Harvest Single Tree 411 - Northern Uneven-No Beech. Cherry Selection Well 140 Selection Hardwood Aged Association

<u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be Specs: released on 3 sides to an average BA of 60 sq ft. Follow all guidelines set forth in "The Complete Marker".

If areas that are heavy to: oak, aspen, die-back, ash, or hemlock, seed tree harvest (1-5 acres) with a residual 10-30 sq ft BA of the featured

species.

Next Step Monitoring, N

Monitoring, Natural Regen (Re-Inventory)

<u>Treatments</u>:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen: Other

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species

Comment:

Site Condition

Proposed Start Date: 10/1 /2019

11033004-191.7 4112 - Maple, Poletimber 111-Harvest Single Tree 411 - Northern Uneven-No Beech, Cherry Selection Selection Well 140 Hardwood Aged Association

<u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be <u>Specs:</u> released on 3 sides to an average BA of 60 sq ft. Follow all guidelines set forth in "The Complete Marker".

If areas that are heavy to: oak, aspen, die-back, ash, or hemlock, seed tree harvest (1-5 acres) with a residual 10-30 sq ft BA of the featured species.

species

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

52.3 Poletimber 84 111-411 - Northern Uneven-5 11033005-4112 - Maple, Harvest Single Tree No Beech, Cherry Well 140 Selection Hardwood Aged Selection Association

<u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be <u>Specs:</u> released on 3 sides to an average BA of 60 sq ft. Follow all guidelines set forth in "The Complete Marker".

If areas that are heavy to: oak, aspen, die-back, ash, or hemlock, seed tree harvest (1-5 acres) with a residual 10-30 sq ft BA of the featured

species.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

Compartment: 33 Year of Entry: 2022

i I	Treatment Name	Acres	Stand CoverType		tand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	9 11033009- Selection	74.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	86	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No

Specs:

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be

released on 3 sides to an average BA of 60 sq ft. Follow all guidelines set forth in "The Complete Marker".

If areas that are heavy to: oak, aspen, die-back, ash, or hemlock, seed tree harvest (1-5 acres) with a residual 10-30 sq ft BA of the featured

species.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen: Other

Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species

Comment:

Site Condition

Proposed Start Date: 10/1 /2019

74 10 11033010-60 4 4112 - Maple, Poletimber 111-Harvest Single Tree 411 - Northern Uneven-No Beech, Cherry Well 140 Selection Hardwood Selection Aged Association

Specs:

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be

released on 3 sides to an average BA of 60 sq ft. Follow all guidelines set forth in "The Complete Marker"

If areas that are heavy to: oak, aspen, die-back, ash, or hemlock, seed tree harvest (1-5 acres) with a residual 10-30 sq ft BA of the featured

species.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type. **Other**

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

11033011-11 75.7 4112 - Maple, Poletimber 91 111-Harvest Single Tree 411 - Northern Uneven-Nο Selection Beech, Cherry Well 140 Selection Hardwood Aged Association

Specs:

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be

released on 3 sides to an average BA of 60 sq ft. Follow all guidelines set forth in "The Complete Marker".

If areas that are heavy to: oak, aspen, die-back, ash, or hemlock, seed tree harvest (1-5 acres) with a residual 10-30 sq ft BA of the featured

species.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type.

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

araga Mgt. Unit Report 3 -- Treatments

Baraga Mgt. Unit S



Compartment: 33 Year of Entry: 2022

a n d	Treatment Name	Acres	Stand CoverType		Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
24	11033024-Cut	2.2	4112 - Maple, Beech, Cherry	Poletimber Well	99	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry	Uneven- Aged	No
			Association					23.00001	Association	, igou	

<u>Prescription</u> Mark to 70-90 sq ba. Favor oak, white pine, and hemlock where present. Refer to the "Complete Marker" for further marking guidelines. <u>Specs:</u>

Next Step

Treatments:

Acceptable Regen:

Other stand is to be harvested with Comp 34 to the south with is a YOE 2018 compartment. Old next step comments: underplant after harvest completion with Hemlock or/and Pine.

Site Condition

Proposed Start Date: 10/1 /2017

Total Treatment 518.5 Acreage Proposed:

Compartment: 33

REEDH5

Baraga Mgt. Unit

Fred Hansen: Examiner Year of Entry: 2022

Availa	ability for	Managemer	nt						
Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	ditions	S
Acres	Available	With Condition	Not Available		5C	MC	2G	3J	3K
150	150	0	0	Aspen					
4	4	0	0	Herbaceous Openland					
25	0	0	25	Lowland Conifers				25	
11	0	0	11	Marsh			7	4	
53	53	0	0	Mixed Upland Deciduous		0			0
1162	573	91	498	Northern Hardwood	86	5		198	299
11	0	0	11	Upland Spruce/Fir				11	
1,416	780	91	544	Total Forested Acres	86	5	7	238	299
	55%	6%	38%	Relative Percent		•		•	

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

No.	Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	1C: Other dept or div proc/practices	Unspecified	Unspecified	Unspecified
	Comments: Riparian travel area						
2	Unavailable	3K: Rare or unique landforms	299	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
		ue Site". Very extreme topog 20th century and will never be					d probably just once in
	Available	Minor Change in Acreage	4				
3							

Report 4 – Site Conditions

Baraga Mgt. Unit

Fred Hansen: Examiner

4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	92	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	89	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	42	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
	Comments:						
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	53	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Baraga Mgt. Unit

Fred Hansen: Examiner

10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
11	Available	Minor Change in Acreage	5				
C	Comments:						

Baraga Mgt. Unit

Compartment: 033 Year of Entry: 2022



Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
	Type 1 or Type 2 Old Growth	Verified Type 2 Old Growth Area	SCA	303
Comments				
Riparian area which also	exhibits type to old growth characteri	stics.		

Baraga Mgt. Unit Compartment: 33
Year of Entry 2022



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygstocked trout populations and those of other coldwater fyear to year. Coldwater streams in Michigan typically procontributions of groundwater to their stream flows. Such designated as trout resources by Fisheries Order 210.	rish species (e.g., slimy sculpin) to persist from ovide these conditions due to substantial
SCA	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, or primeval forest) is an area of forest that has fe exhibits unique ecological features related to age, comp are of natural origin. They may be dominated by late suc American beech), or may be a very old example of a sta species (i.e. oak, or red pine).	w or no signs of human disturbance and that position and associated structure. Old growth forests accessional forest species (i.e. sugar maple and

Report 7 - Stands



tand	d Level 4 Co	over Type		Size De	ensity	Acres Stand Age B	A Range	Managed S	Site	General Comments
1	4112 - Maple, Asso	Beech, Ch	nerry F	Poletimb	er Well	61.7 86	111-140	N/A		"Old Road Hardwoods" a 2003 sale.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Sugar Maple	65	Pole/Log	10	86	Sugar Maple	High	5 - 10 feet	Sapling	
	Red Maple	15	Pole/Log	10		Red Maple	Medium	5 - 10 feet	Sapling	
	Yellow Birch	3	Pole/Log	10		Quaking Aspen	Low	10 - 20 feet	Sapling	
	Basswood	5	Pole/Log	10		Ironwood	Low	5 - 10 feet	Sapling	
	Red Oak	7	Log	16						-
	Quaking Aspen	2	Log	12						
	Hemlock	3	Log	16						
2	4119 - Mixed No	rthern Har	dwoods	Sawtimb	er Well	304.2 94	171-200	N/A		2010: Code as SCA "Unique Site". Very extreme topography (deep ravines/razorback ridges) that contain a hardwood stand that was
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size	harvested probably just once in the early part of the 20th century and w
	Sugar Maple	55	Log	14	94	Sugar Maple	High	Variable	Pole	never be harvested again. It was previously coded as potential old
	Red Maple	20	Log	12		Yellow Birch	Medium	Variable	Pole	growth.
	Yellow Birch	3	Pole/Log	10		Balsam Fir	Low	Variable	Pole	
	Basswood	2	Pole/Log	10		Hemlock	Low	Variable	Pole	
	White Ash	3	Pole/Log	10		Ironwood	Low	10 - 20 feet	Sapling	
	Red Oak	5	Log	18						-
	Quaking Aspen	5	Log	14						
	Hemlock	7	Log	14						
3	Hemlock 4199 - Other Mixed			14 Sawtimb	er Well	14.3 94	51-80	N/A		cut in the summer of 2012.
3		d Upland D		Sawtimb	er Well	14.3 94 Sub-Canopy Species	51-80 Density	N/A Avg. Height	Size	cut in the summer of 2012.
3	4199 - Other Mixed	d Upland D	eciduous S	Sawtimb					Size Pole	cut in the summer of 2012.
3	4199 - Other Mixed	d Upland D	eciduous S	Sawtimb DBH		Sub-Canopy Species	Density	Avg. Height		cut in the summer of 2012.
3	4199 - Other Mixed Canopy Species Sugar Maple	d Upland D **Cover** 30	eciduous Size Class	Sawtimb DBH		Sub-Canopy Species Sugar Maple	Density High	Avg. Height Variable	Pole	cut in the summer of 2012.
3	4199 - Other Mixed Canopy Species Sugar Maple Red Maple	d Upland D % Cover 30 20	eciduous Size Class Log Log/Pole	DBH 16 12		Sub-Canopy Species Sugar Maple Red Maple	Density High Low	Avg. Height Variable Variable	Pole Pole	cut in the summer of 2012.
3	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch	% Cover 30 20 3	eciduous Size Class Log Log/Pole Log/Pole	DBH 16 12 12		Sub-Canopy Species Sugar Maple Red Maple Yellow Birch	Density High Low Low	Avg. Height Variable Variable Variable	Pole Pole Pole	cut in the summer of 2012.
	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood	d Upland D % Cover 30 20 3 20	Size Class Log Log/Pole Log/Pole Log/Pole	DBH 16 12 12 12	I Age	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch	Density High Low Low	Avg. Height Variable Variable Variable	Pole Pole Pole	cut in the summer of 2012.
	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak	30 20 3 2 41	Size Class Log Log/Pole Log/Pole Log/Pole Log/Pole	DBH 16 12 12 12 12	I Age	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch	Density High Low Low	Avg. Height Variable Variable Variable	Pole Pole Pole	cut in the summer of 2012.
3	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple,	30 20 3 2 41 2 2	Size Class Log Log/Pole Log/Pole Log/Pole Log Log Log Log Log Log	DBH 16 12 12 12 18 14	94	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Ironwood	Density High Low Low	Avg. Height Variable Variable Variable	Pole Pole Pole	cut in the summer of 2012. Cut last rotation with "Beaver Dam Hdwds" 11-012-03-01 2010: Heavier to Oak in the north part of the stand.
	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple,	d Upland D % Cover 30 20 3 2 41 2 2 Beech, Chiciation	Size Class Log Log/Pole Log/Pole Log/Pole Log Log Log Log Log Log	DBH	94	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Ironwood	Density High Low Low Low	Avg. Height Variable Variable Variable 10 - 20 feet	Pole Pole Pole	Cut last rotation with "Beaver Dam Hdwds" 11-012-03-01
	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple, Asso	d Upland D % Cover 30 20 3 2 41 2 2 Beech, Chiciation	Size Class Log Log/Pole Log/Pole Log/Pole Log	DBH	94	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Ironwood	Density High Low Low Low 1111-140	Avg. Height Variable Variable Variable 10 - 20 feet	Pole Pole Pole Sapling	Cut last rotation with "Beaver Dam Hdwds" 11-012-03-01
	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple, Asso Canopy Species	d Upland D % Cover 30 20 3 2 41 2 2 Beech, Criciation % Cover	Size Class Log Log/Pole Log/Pole Log/Pole Log Log Log Size Class	DBH 16 12 12 12 18 14 10 Poletimb	94 Der Well	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Ironwood 191.7 77 Sub-Canopy Species	Density High Low Low Low This in the second	Avg. Height Variable Variable Variable 10 - 20 feet N/A Avg. Height	Pole Pole Pole Sapling	Cut last rotation with "Beaver Dam Hdwds" 11-012-03-01
	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple	d Upland D % Cover 30 20 3 2 41 2 2 Beech, Criciation % Cover	Size Class Log Log/Pole Log/Pole Log Log Log Size Class Log Log Log Log Log Log Log Log/Pole Log Log Log Log/Pole Log Log/Pole	DBH	94 Der Well	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Ironwood 191.7 77 Sub-Canopy Species Sugar Maple	Density High Low Low Low Density Full	Avg. Height Variable Variable Variable 10 - 20 feet N/A Avg. Height Variable	Pole Pole Pole Sapling	Cut last rotation with "Beaver Dam Hdwds" 11-012-03-01
	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple	d Upland D % Cover 30 20 3 2 41 2 2 Beech, Chiciation % Cover 56 25	Size Class Log Log/Pole Log/Pole Log/Pole Log Log Log Log/Pole Size Class Log/Pole Log/Pole Log/Pole	DBH 16	94 Der Well	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Ironwood 191.7 77 Sub-Canopy Species Sugar Maple Red Maple	Density High Low Low Low 111-140 Density Full Medium	Avg. Height Variable Variable Variable 10 - 20 feet N/A Avg. Height Variable 10 - 20 feet	Pole Pole Pole Sapling Size Sapling Sapling	Cut last rotation with "Beaver Dam Hdwds" 11-012-03-01
	4199 - Other Mixed Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Yellow Birch	d Upland D % Cover 30 20 3 2 41 2 2 Beech, Chiciation % Cover 56 25 3	Size Class Log Log/Pole Log/Pole Log/Pole Log Log Log Log Log/Pole Size Class Log/Pole Log/Pole Pole/Log	Sawtimb DBH 16 12 12 18 14 10 10 DBH 12 12 12 10 10 10	94 Der Well	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Ironwood 191.7 77 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch	Density High Low Low Low 111-140 Density Full Medium Low	Avg. Height Variable Variable Variable 10 - 20 feet N/A Avg. Height Variable 10 - 20 feet Variable	Pole Pole Pole Sapling Size Sapling Sapling Pole	Cut last rotation with "Beaver Dam Hdwds" 11-012-03-01



Stand	Level 4 Co	over Type		Size De	nsity	Acres Stand Age B	A Range	Managed S	ite	General Comments
5	4112 - Maple, Asso	Beech, Ch ciation	erry F	Poletimb	er Well	52.3 84	111-140	N/A		cut last rotation with "Sling Blade Hdwds" 11-014-03-01. 2020:BA's are on the low end.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Sugar Maple	60	Log/Pole	12	84	Sugar Maple	High	Variable	Pole	
	Red Maple	30	Log/Pole	11		Red Maple	Low	10 - 20 feet	Sapling	
	Basswood	5	Log/Pole	12		Quaking Aspen	Low	5 - 10 feet	Sapling	
	Red Oak	5	Log	16		Ironwood	Low	5 - 10 feet	Sapling	
6	4115 - Y.Birch	n, Hemlock	NH S	Sawtimbe	er Well	91.7 107	111-140	N/A		2010: Ridge/Swail topography has steep slopes to creek bed. not
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	cuttable. Topography is less severe south of pre-inventory stand 11.
	Sugar Maple	40	Log/Pole	10	107	Sugar Maple	High	Variable	Pole	
	Red Maple	20	Pole/Log	9		Red Maple	Low	Variable	Pole	
	Yellow Birch	10	Log/Pole	10		Yellow Birch	Low	Variable	Pole	
	Basswood	10	Log	12		Balsam Fir	Medium	Variable	Pole	
	Red Oak	10	XLog/Log	18		Hemlock	Low	Variable	Pole	
	rtou ourt		, 1209, 209							
	Hemlock	10	Log	14		Ironwood	Low	10 - 20 feet	Sapling	
7		10	Log	14 Sawtimbe	er Well		Low 111-140	10 - 20 feet N/A	Sapling	2010: Ridge/Swail topography has steep slopes to creek bed. not
7	Hemlock	10 rthern Hard	Log	Sawtimbe	er Well				Sapling	2010: Ridge/Swail topography has steep slopes to creek bed. not cuttable.
7	Hemlock 4119 - Mixed No	10 rthern Hard	Log Iwoods S	Sawtimbe		42.3 107	111-140	N/A	1 0	
7	Hemlock 4119 - Mixed No Canopy Species	10 rthern Hard % Cover	Log dwoods Size Class	Sawtimbe DBH	Age	42.3 107 Sub-Canopy Species	111-140 Density	N/A Avg. Height	Size	
7	Hemlock 4119 - Mixed No Canopy Species Sugar Maple	rthern Hard **Cover** 40	Log dwoods S Size Class Pole/Log	Sawtimbe DBH	Age	42.3 107 Sub-Canopy Species Sugar Maple	111-140 Density High	N/A Avg. Height Variable	Size Pole	
7	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple	rthern Hard % Cover 40 20	Log dwoods S Size Class Pole/Log Pole/Log	Sawtimbe DBH 10	Age	42.3 107 Sub-Canopy Species Sugar Maple Red Maple	111-140 Density High Low	N/A Avg. Height Variable Variable	Size Pole Pole	
7	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple Yellow Birch	10 rthern Hard **Cover** 40 20 10	Log dwoods S Size Class Pole/Log Pole/Log Pole/Log	DBH 10 9 10	Age	42.3 107 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch	Density High Low Low	N/A Avg. Height Variable Variable Variable	Size Pole Pole Pole	
7	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple Yellow Birch Basswood	10 rthern Hard % Cover 40 20 10 5	Log dwoods Size Class Pole/Log Pole/Log Pole/Log Pole/Log	DBH 10 9 10 10	Age	42.3 107 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Balsam Fir	Density High Low Low Medium	N/A Avg. Height Variable Variable Variable Variable	Size Pole Pole Pole Pole	
7	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak	10 rthern Hard % Cover 40 20 10 5 10	Log dwoods Size Class Pole/Log Pole/Log Pole/Log Pole/Log Log	DBH 10 9 10 10 18	Age	42.3 107 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Balsam Fir Hemlock	Density High Low Low Medium Low	N/A Avg. Height Variable Variable Variable Variable Variable Variable	Size Pole Pole Pole Pole Pole Pole	
7	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple,	10	Log dwoods Size Class Pole/Log Pole/Log Pole/Log Log Log Log Log Log	DBH 10 9 10 10 10 18 12	Age 107	42.3 107 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Balsam Fir Hemlock Ironwood	Density High Low Low Medium Low	N/A Avg. Height Variable Variable Variable Variable Variable Variable	Size Pole Pole Pole Pole Pole Pole	
	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple,	10 rthern Hard % Cover 40 20 10 5 10 10 5 Home Source Beech, Checiation	Log dwoods Size Class Pole/Log Pole/Log Pole/Log Log Log Log Log Log	DBH 10 9 10 10 18 12 14	Age 107	42.3 107 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Balsam Fir Hemlock Ironwood	Density High Low Low Medium Low Low	N/A Avg. Height Variable Variable Variable Variable Variable 10 - 20 feet	Size Pole Pole Pole Pole Pole Pole	cuttable. cut last rotation with "Sling Blade Hdwds" 11-014-03-01
	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple, Asso	10 rthern Hard % Cover 40 20 10 5 10 10 5 Home Source Beech, Checiation	Log dwoods S Size Class Pole/Log Pole/Log Pole/Log Log Log Log Log Log Log Log	DBH 10 9 10 10 18 12 14	Age 107	42.3 107 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Balsam Fir Hemlock Ironwood	Density High Low Low Medium Low Low Low	N/A Avg. Height Variable Variable Variable Variable Variable 10 - 20 feet	Size Pole Pole Pole Pole Pole Sapling	cuttable. cut last rotation with "Sling Blade Hdwds" 11-014-03-01
	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple, Asso Canopy Species	10 rthern Hard **Cover* 40 20 10 5 10 10 5 House the content of the content o	Log dwoods S Size Class Pole/Log Pole/Log Pole/Log Log Log Log Log Size Class	DBH 10 9 10 10 18 12 14 Poletimbe	Age 107 er Well	42.3 107 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Balsam Fir Hemlock Ironwood 52.8 71 Sub-Canopy Species	Density High Low Low Medium Low Low Low Density	N/A Avg. Height Variable Variable Variable Variable Variable 10 - 20 feet N/A Avg. Height	Size Pole Pole Pole Pole Sapling	cuttable. cut last rotation with "Sling Blade Hdwds" 11-014-03-01
	Hemlock 4119 - Mixed No Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Red Oak Quaking Aspen Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple	10 rthern Harc % Cover 40 20 10 5 10 10 5 Reech, Chciation % Cover 70	Log dwoods Size Class Pole/Log Pole/Log Pole/Log Log Log Log Log Size Class Erry Fixe Class Log/Pole	DBH 10 9 10 10 18 12 14 Poletimber DBH 12	Age 107 er Well	42.3 107 Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Balsam Fir Hemlock Ironwood 52.8 71 Sub-Canopy Species Sugar Maple	Density High Low Low Medium Low Low Density High	N/A Avg. Height Variable Variable Variable Variable Variable 10 - 20 feet N/A Avg. Height Variable	Size Pole Pole Pole Pole Sapling	cut last rotation with "Sling Blade Hdwds" 11-014-03-01



	Level 4 Co	over Type	;	Size De	ensity	Acres Stand	Age BA	Range	Managed S	ite	General Comments
9	4112 - Maple, Asso	Beech, C ciation	herry P	oletimb	er Well	77.1 86	5 1	11-140	N/A		cut last rotation with "Old Road Hdwds"
	Canopy Species	% Cove	Size Class	DBH	l Age	Sub-Canopy S	pecies	Density	Avg. Height	Size	
	Sugar Maple	65	Pole/Log	10	86	Sugar Map	ole	High	5 - 10 feet	Sapling	
	Red Maple	15	Pole/Log	10		Red Maple	е	Medium	5 - 10 feet	Sapling	
	Yellow Birch	3	Pole/Log	10		Quaking Asp	pen	Low	10 - 20 feet	Sapling	
	Basswood	5	Pole/Log	10		Ironwood	1	Low	5 - 10 feet	Sapling	
	Red Oak	7	Log	16							
	Quaking Aspen	2	Log	12							
	Hemlock	3	Log	16							
10	4112 - Maple, Asso	Beech, C ciation	herry P	oletimb	er Well	60.4 74	ļ 1	11-140	N/A		2010: cut last rotation with "Otter Tail Hdwds" 11-013-03-01. Sale could have been extended to "Old Road Hdwds" to the NW with enough room
	Canopy Species	% Cove	Size Class	DBH	l Age	Sub-Canopy S	pecies	Density	Avg. Height	Size	for a road to be built in need be. The very north part of this stand in involve in a possible land trade.
	Sugar Maple	58	Pole/Log	10	74	Sugar Map	ole	High	Variable	Sapling	involve in a possible land trade.
	Red Maple	30	Pole/Log	10		Red Maple	е	Medium	5 - 10 feet	Sapling	
	Yellow Birch	5	Pole	8		Red Oak		Low	Variable	Sapling	
	Red Oak	3	Log	14		Quaking Asp	pen	Low	5 - 10 feet	Sapling	
	Paper Birch	2	Pole	8		Balsam Fi	ir	Low	Variable	Sapling	
11	4112 - Maple, Asso		herry P	oletimb	er Well	75.7 91	1	11-140	N/A		cut last rotation with "Otter Tail Hdwds" 11-013-03-01.
		ciation									2020: BA's are on the low end.
	Canopy Species		Size Class	DBH	l Age	Sub-Canopy S	pecies	Density	Avg. Height	Size	2020: BA's are on the low end.
	Canopy Species Sugar Maple		Size Class Pole	DB I 8	1 Age 91	Sub-Canopy S Sugar Map	•	Density High	Avg. Height 5 - 10 feet	Size Sapling	2020: BA's are on the low end.
		% Cove					ole				2020: BA's are on the low end.
	Sugar Maple	% Cove	Pole	8		Sugar Map	e e	High	5 - 10 feet	Sapling	2020: BA's are on the low end.
	Sugar Maple Red Maple	% Cover 55 30	Pole Pole	8		Sugar Map	ole e ch	High Medium	5 - 10 feet 5 - 10 feet	Sapling Sapling	2020: BA's are on the low end.
	Sugar Maple Red Maple Yellow Birch	% Cover 55 30 5	Pole Pole Pole	8 8 8		Sugar Map Red Maple Yellow Bird	ole e ch	High Medium Low	5 - 10 feet 5 - 10 feet Variable	Sapling Sapling Pole	2020: BA's are on the low end.
12	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple,	% Cover 55 30 5 5 5	Pole Pole Pole Pole/Log Log	8 8 8 10 16	91 per Well	Sugar Map Red Maple Yellow Bird Paper Bird	e ch	High Medium Low	5 - 10 feet 5 - 10 feet Variable	Sapling Sapling Pole	Riparian Cooridor
12	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple,	% Cover 55 30 5 5 5 5 Beech, Cciation	Pole Pole Pole Pole/Log Log	8 8 8 10 16	91	Sugar Map Red Maple Yellow Bird Paper Bird	e ch ch	High Medium Low Low	5 - 10 feet 5 - 10 feet Variable Variable	Sapling Sapling Pole	
12	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple, Asso	% Cover 55 30 5 5 5 5 Beech, Cciation	Pole Pole Pole Pole/Log Log herry Pole/Rog Pole/Log	8 8 8 10 16	91 per Well	Sugar Map Red Maple Yellow Bird Paper Bird 22.5 77	e ch	High Medium Low Low	5 - 10 feet 5 - 10 feet Variable Variable N/A	Sapling Sapling Pole Sapling	
12	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple, Asso Canopy Species	% Cover 55 30 5 5 5 5 5 Ciation % Cover	Pole Pole Pole Pole/Log Log herry P	8 8 8 10 16	91 per Well	Sugar Map Red Maple Yellow Bird Paper Bird 22.5 77 Sub-Canopy S	olle e ch ch species	High Medium Low Low B1-110 Density	5 - 10 feet 5 - 10 feet Variable Variable N/A Avg. Height	Sapling Sapling Pole Sapling Size Pole Sapling	
12	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple, Asso Canopy Species Sugar Maple	% Cover 55 30 5 5 5 5 S Seech, Cociation % Cover 10	Pole Pole Pole/Log Log herry Pole Size Class Pole	8 8 8 10 16 oletimb	91 Der Well	Sugar Map Red Maple Yellow Bird Paper Bird 22.5 77 Sub-Canopy S Red Maple	species e ch	High Medium Low Low B1-110 Density High	5 - 10 feet 5 - 10 feet Variable Variable N/A Avg. Height Variable	Sapling Sapling Pole Sapling Size Pole	
	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple	% Cover 55 30 5 5 5 5 8 8 6 Cociation	Pole Pole Pole/Log Log herry Pole Size Class Pole Pole	8 8 8 10 16 oletimb	91 Der Well	Sugar Maple Red Maple Yellow Bird Paper Bird 22.5 77 Sub-Canopy S Red Maple Yellow Bird Yellow Bird Sub-Canopy S	species e ch ir	High Medium Low Low B1-110 Density High Medium	5 - 10 feet 5 - 10 feet Variable Variable N/A Avg. Height Variable Variable	Sapling Sapling Pole Sapling Size Pole Sapling	
	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Yellow Birch	% Cover 55 30 5 5 5 S S S S S S S S S S S S S S S S	Pole Pole Pole/Log Log herry Pole Pole Pole Pole Pole Pole Pole	8 8 8 10 16 oletimb DBH 8 7 6	91 Der Well	Sugar Maple Red Maple Yellow Bird Paper Bird 22.5 77 Sub-Canopy S Red Maple Yellow Bird Balsam Fire	species e ch ir	High Medium Low Low B1-110 Density High Medium Medium	5 - 10 feet 5 - 10 feet Variable Variable N/A Avg. Height Variable Variable Variable	Sapling Pole Sapling Size Pole Sapling Pole	
	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Yellow Birch Quaking Aspen	% Cover 55 30 5 5 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6	Pole Pole Pole/Log Log herry Size Class Pole Pole Pole Log	8 8 8 10 16 oletimb	91 Der Well	Sugar Maple Red Maple Yellow Bird Paper Bird 22.5 77 Sub-Canopy S Red Maple Yellow Bird Balsam Fire	species e ch ir	High Medium Low Low B1-110 Density High Medium Medium	5 - 10 feet 5 - 10 feet Variable Variable N/A Avg. Height Variable Variable Variable	Sapling Pole Sapling Size Pole Sapling Pole	
	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Yellow Birch Quaking Aspen Balsam Fir	% Cover 55 30 5 5 5 5 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7	Pole Pole Pole Pole/Log Log herry Size Class Pole Pole Pole Pole Pole Pole Pole Pole	8 8 10 16 0letimb 8 7 6 12 6	91 Der Well	Sugar Maple Red Maple Yellow Bird Paper Bird 22.5 77 Sub-Canopy S Red Maple Yellow Bird Balsam Fire	species e ch ir	High Medium Low Low B1-110 Density High Medium Medium	5 - 10 feet 5 - 10 feet Variable Variable N/A Avg. Height Variable Variable Variable	Sapling Pole Sapling Size Pole Sapling Pole	
	Sugar Maple Red Maple Yellow Birch Basswood Red Oak 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Yellow Birch Quaking Aspen Balsam Fir White Spruce	% Cover 55 30 5 5 5 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6	Pole Pole Pole/Log Log herry Pole Pole Pole Pole Pole Pole Pole Pole	8 8 8 10 16 oletimb	91 Der Well	Sugar Maple Red Maple Yellow Bird Paper Bird 22.5 77 Sub-Canopy S Red Maple Yellow Bird Balsam Fire	species e ch ir	High Medium Low Low B1-110 Density High Medium Medium	5 - 10 feet 5 - 10 feet Variable Variable N/A Avg. Height Variable Variable Variable	Sapling Pole Sapling Size Pole Sapling Pole	

ort 7 – Stands



Stand	Stand Level 4 Cover Type			Size Density		Acres	Stand Age B	A Range	Managed S	ite	General Comments
13	4115 - Y.Birch, Hemlock NH			Sawtimbe	er Well	25.1	83	111-140	N/A		Riparian Cooridor, not cuttable due to topography.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	40	Log	16	83	Sug	ar Maple	High	Variable	Sapling	
	Red Maple	35	Pole/Log	10		Re	d Maple	Low	Variable	Sapling	
	Yellow Birch	20	Log/Pole	12		Yell	ow Birch	Low	Variable	Sapling	
	Basswood	3	Log/Pole	10		Bal	sam Fir	Low	10 - 20 feet	Sapling	
	Hemlock	2	Log	18							
14	4119 - Mixed No	orthern Har	dwoods	Poletimb	er Well	8.9	59	51-80	N/A		Riparian Cooridor.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	10	Pole	8		Sug	ar Maple	Medium	Variable	Sapling	
	Red Maple	60	Pole	8	59	Re	d Maple	Medium	Variable	Sapling	
	Yellow Birch	6	Pole	9		Yell	ow Birch	Low	Variable	Sapling	
	Paper Birch	2	Pole	10		Bal	sam Fir	High	Variable	Sapling	
	Quaking Aspen	4	Pole/Log	11		Whit	e Spruce	Low	Variable	Pole	
	White Spruce	10	Pole/Log	12						'	
No	orthern White Cedar	2	Pole/Log	11							
	Hemlock	2	Pole/Log	12							
	Black Ash	4	Pole	6							
15	42320 - Upland Spruce			Poletimbe	er Well	3.5	81	51-80	N/A		2010: small stand situated on a sloped that is adjacent to the Otter River, save as a riparian corridor.
	Canopy Species	% Cover	Size Class		Age		nopy Species	Density	Avg. Height	Size	Triver, save as a riparian comuon.
	Quaking Aspen	20	Pole/Log			Bal	sam Fir	High	Variable	Sapling	
	Balsam Fir	20	Pole	8		Та	g Alder	Low	5 - 10 feet	Tall Shrub	
1	White Spruce	60	Log/Pole	12	81						
16	4112 - Maple, Asso	Beech, Ch ociation	nerry	Poletimb	er Well	33.3	69	111-140	N/A		cut last rotation as part of "Sling Blade Hardwoods" 11-014-03-01. BA's are on the low end.
16		ciation	Size Class		er Well		69	111-140 Density	N/A Avg. Height	Size	
16	Asso	ciation		DBH		Sub-Ca				Size Sapling	
16	Asso Canopy Species	ociation % Cover	Size Class	DBH	Age	Sub-Ca Sug	nopy Species	Density	Avg. Height		
16	Asso Canopy Species Sugar Maple	% Cover	Size Class Pole/Log	10 10	Age	Sub-Car Sug Re	nopy Species ar Maple	Density High	Avg. Height 10 - 20 feet	Sapling	
16	Associated	% Cover 55 25	Size Class Pole/Log Pole/Log	10 10 10	Age	Sub-Car Sug Re	nopy Species ar Maple d Maple	Density High Low	Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling	
16	Associated	% Cover 55 25 3	Size Class Pole/Log Pole/Log Pole/Log	10 10 10	Age	Sub-Car Sug Re Bal Whit	nopy Species ar Maple d Maple sam Fir	Density High Low Medium	Avg. Height 10 - 20 feet 10 - 20 feet Variable	Sapling Sapling Sapling	
16	Associated	**Cover 55 25 3 5	Size Class Pole/Log Pole/Log Pole/Log Pole/Log	10 10 10 10	Age	Sub-Car Sug Re Bal Whit	nopy Species ar Maple d Maple sam Fir e Spruce	Density High Low Medium Low	Avg. Height 10 - 20 feet 10 - 20 feet Variable Variable	Sapling Sapling Sapling Pole	
16	Associated	% Cover 55 25 3 5 5 5	Size Class Pole/Log Pole/Log Pole/Log Pole/Log Log	10 10 10 10 10 10 14 8	Age	Sub-Car Sug Re Bal Whit	nopy Species ar Maple d Maple sam Fir e Spruce	Density High Low Medium Low	Avg. Height 10 - 20 feet 10 - 20 feet Variable Variable	Sapling Sapling Sapling Pole	

Report 7 - Stands



Stand	Level 4 Cover Type 4112 - Maple, Beech, Cherry Association			Size Density Poletimber Well		Acres Stand Age BA Range			Managed Site		General Comments
17						32.7	74	81-110	N/A		Pork chop sale completed summer 2015. 2019: Possibly merge with Stand 8 next rotation.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	
	Sugar Maple	59	Log/Pole		74	Sugar	Maple	High	Variable	Pole	
	Red Maple	30	Pole/Log	10		Balsa	am Fir	Low	Variable	Sapling	
	Yellow Birch	2	Pole/Log	10							•
	Basswood	2	Pole/Log	12							
	Red Oak	3	Log	16							
	Balsam Fir	2	Pole	8							
	Black Ash	2	Pole	8							
18	6239 - Mixed Er	mergent W	ent Wetland		cked	4.1 Unspecified		No		Beaver Flooding	
						Sub-Canopy Species		Density	y Avg. Height]
							Alder	High	5 - 10 feet	Tall Shrub	
19	4119 - Mixed No			Poletimb		7.3	86	81-110	N/A		2020: wet stand with lots of drainages.
	Canopy Species		Size Class		Age		py Species	Density	Avg. Height	Size	
	Sugar Maple	30	Log	12	86		Maple	Medium	Variable	Sapling	
	Red Maple	35	Pole/Log	9	86		Maple	Medium	Variable	Sapling	
	Yellow Birch	3	Pole	8		Hen	nlock	Medium	Variable	Pole	
	Basswood	2	Pole/Log	10							
	Quaking Aspen	15	Log	12							
	White Spruce	5	Pole/Log								
No	rthern White Cedar	5	Pole/Log								
	Hemlock	2	Pole/Log								
	Black Ash	3	Pole	6							
20	6239 - Mixed Er	mergent W	/etland	Nonsto	cked	2.7	U	nspecified	No		Beaver Flooding
						Sub-Cano	opy Species	Density	Avg. Height	Size	
						Tag	Alder	High	5 - 10 feet	Tall Shrub	
21	4199 - Other Mixed	d Upland D	Deciduous	Poletimb	er Well	39.0	77	51-80	N/A		2010: Some nice patches but still overall small diameter. stand could have been old pasture land.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	nave been du pasture ianu.
	Red Maple	55	Pole/Log	10	77	Red I	Maple	Medium	10 - 20 feet	Sapling	
	Yellow Birch	3	Pole	8		Yellov	v Birch	Low	Variable	Pole	
	Paper Birch	2	Pole	6		Balsa	am Fir	Medium	Variable	Sapling	
	Quaking Aspen	25	Log	12		White	Spruce	Low	Variable	Pole	
	Balsam Fir	5	Pole	6		<u> </u>					-
	White Spruce	2	Pole	9							
	White Pine	3	Pole/Log								
	Hemlock	5	Log/Pole	12							

Stands Compartment: 33
Year of Entry: 2022

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Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
22	4112 - Maple, Asso	Poletimber Poor		13.7 74		1-50	N/A		2010: cut last rotation with "Otter Tail Hdwds" 11-013-03-01. Sale could have been extended to "Old Road Hdwds" to the NW with enough room		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	for a road to be built in need be. 2020: Stand was split from stand 10 due to flooding.
	Sugar Maple	58	Pole/Log	10	74	Suç	gar Maple	High	Variable	Sapling	2020. Stand was split from stand to due to hooding.
	Red Maple	30	Pole/Log	10		Re	ed Maple	Medium	5 - 10 feet	Sapling	
	Yellow Birch	5	Pole	8		R	Red Oak	Low	Variable	Sapling	
	Red Oak	3	Log	14		Qual	king Aspen	Low	5 - 10 feet	Sapling	
	Paper Birch	2	Pole	8		Ва	alsam Fir	Low	Variable	Sapling	
23	6129 - Mixed Co	oniferous Lo orest	owland	Poletimb	er Well	24.8	75	111-140	N/A		Wet drainages throughout stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole	8		Re	ed Maple	Low	Variable	Sapling	
	Yellow Birch	5	Pole	8		Yel	llow Birch	Low	Variable	Sapling	
	Balsam Fir	25	Pole	8		Ва	alsam Fir	High	Variable	Sapling	
	White Spruce	20	Log/Pole	12		Norther	n White Cedar	Low	Variable	Sapling	
No	rthern White Cedar	35	Log/Pole	12	75						
	Hemlock	10	Log	12							
24	4112 - Maple, Asso	Beech, Ch ociation	nerry	Poletimb	er Well	2.2	99	81-110	N/A		2020: stand under contract "FMP Hdwd.11-07-18-01".
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Sugar Maple	45	Log/Pole	12	99	Suç	gar Maple	Medium	Variable	Sapling	
	Red Maple	35	Pole/Log	10		Re	ed Maple	Medium	Variable	Sapling	
	Yellow Birch	8	Pole/Log	10		Northern	n White Cedar	Low	Variable	Pole	
	White Spruce	2	Log	18		Н	łemlock	Medium	>20 feet	Log	
	White Pine	5	Log/XLog	24							-

Hemlock

Black Cherry

3

2

Log

Pole

20

8

Baraga Mgt. Unit Report 7 – Stands



Stand	and Level 4 Cover Type		;	Size Density			Stand Age B	BA Range	Managed Site		General Comments	
25	4139 - Aspen, N			Saplin		150.3	7	Immature	N/A		2019: Pork chop , completed in 2015. Stand was 3 different stands merged into one .	
	Canopy Species		Size Class		l Age						· ·	
	Red Maple	24	Pole	8								
	Red Oak	5	Log/Pole/Sap		7							
	Quaking Aspen	51	Sapling	1	7							
N.L.	Balsam Fir	5	Sapling	1								
INC	White Pine	1	Pole	8	57							
	Hemlock	5	Log	16 15	57							
	Black Cherry	3	Log	15								
	Hemlock	1	Sapling	1								
	Paper Birch	2	Sapling	1								
	White Spruce	2	Sapling Sapling	2								
	write Spruce	2	Sapiniy									
27	3102 -	· Grass		Nonst	ocked	1.9			No		Looks to be an old Farm feild and possible homestead, edges are encroaching and field is close to being forested. All trees in this openin will be harvested when adjacent stand is cut, except the white pine.	
28 4112 - Maple, Beech, Cherry Association				Poletimber Well		6.1 66 8		81-110	N/A		Pork chop sale completed summer 2015.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Sugar Maple	40	Pole	8	66	Sug	ar Maple	Low	Variable	Pole		
	Red Maple	35	Pole	8		Re	d Maple	Medium	Variable	Pole		
	Quaking Aspen	5	Log	12		Ва	lsam Fir	Medium	Variable	Pole		
	White Spruce	5	Log	12								
	White Pine	5	Log/XLog	18								
	Black Cherry	10	Pole	8								
30	0.400											
	3102 -	· Grass		Nonst	ocked	2.1			No		2009: Stand is close to being forested, Appears to be the site of an old homestead. Further investigation will be needed in the summer month determine this. Stand in contained in a 1/5 undivided interest parcel the in currently involved in a possible land trade that would make it 100% State of Michigan owned.	
31	3102 - 6239 - Mixed Er		etland	Nonst		2.1	U	Inspecified	No		homestead. Further investigation will be needed in the summer month determine this. Stand in contained in a 1/5 undivided interest parcel the in currently involved in a possible land trade that would make it 100%	
			etland			4.2	Unopy Species	•		Size	homestead. Further investigation will be needed in the summer month determine this. Stand in contained in a 1/5 undivided interest parcel the in currently involved in a possible land trade that would make it 100% State of Michigan owned.	
			etland			4.2 Sub-Car		•	No	Size Tall Shrub	homestead. Further investigation will be needed in the summer month determine this. Stand in contained in a 1/5 undivided interest parcel the incurrently involved in a possible land trade that would make it 100% State of Michigan owned. North Branch Otter River.	
		nergent W		Nonsto Poletimb	ocked [oer Well	4.2 Sub-Ca Ta	nopy Species ng Alder 81	Density Full 51-80	No Avg. Height 5 - 10 feet N/A		homestead. Further investigation will be needed in the summer month determine this. Stand in contained in a 1/5 undivided interest parcel the incurrently involved in a possible land trade that would make it 100% State of Michigan owned. North Branch Otter River. 2010: small stand situated on a sloped that is adjacent to the Otter	
31	6239 - Mixed Er	nergent W		Nonste Poletimb	ocked	4.2 Sub-Cal Ta 7.2 Sub-Cal	nopy Species ag Alder 81 nopy Species	Density Full 51-80 Density	No Avg. Height 5 - 10 feet N/A Avg. Height	Tall Shrub	homestead. Further investigation will be needed in the summer month determine this. Stand in contained in a 1/5 undivided interest parcel the incurrently involved in a possible land trade that would make it 100% State of Michigan owned. North Branch Otter River.	
31	6239 - Mixed Er 42320 - Up Canopy Species Quaking Aspen	nergent W land Spruc % Cover 20	ce F Size Class Pole/Log	Nonste	ocked [oer Well	4.2 Sub-Cal Ta 7.2 Sub-Cal	nopy Species ng Alder 81	Density Full 51-80	No Avg. Height 5 - 10 feet N/A Avg. Height Variable	Size Sapling	homestead. Further investigation will be needed in the summer month determine this. Stand in contained in a 1/5 undivided interest parcel the in currently involved in a possible land trade that would make it 100% State of Michigan owned. North Branch Otter River. 2010: small stand situated on a sloped that is adjacent to the Otter River, save as a riparian corridor.	
31	6239 - Mixed En 42320 - Up Canopy Species	nergent W land Sprud % Cover	ce F	Nonste Poletimb	ocked [oer Well	4.2 Sub-Cal Ta 7.2 Sub-Cal	nopy Species ag Alder 81 nopy Species	Density Full 51-80 Density	No Avg. Height 5 - 10 feet N/A Avg. Height	Tall Shrub	homestead. Further investigation will be needed in the summer month determine this. Stand in contained in a 1/5 undivided interest parcel the in currently involved in a possible land trade that would make it 100% State of Michigan owned. North Branch Otter River. 2010: small stand situated on a sloped that is adjacent to the Otter River, save as a riparian corridor.	