

## **Compartment Review Presentation**

**Roscommon Forest Management Unit** 

Compartment 190 Entry Year 2016 Acreage: 1,819

County Ogemaw

Management Area: Ogemaw Hills

Revision Date: 06/20/2014 Stand Examiner: Ben Wiese

**Legal Description:** 

T22N R01E, Sec. 1 & 12; T22N R02E Sec. 6 & 7; T23N R02E, Sec. 31

### **Identified Planning Goals:**

This compartment is part of the Ogemaw Hills management area. Vegetation management in the Ogemaw Hills management area will provide timber products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest based recreational uses. Timber management in the compartment will focus on balancing age classes in the oak and pine cover types.

### Soil and topography:

The soils in the compartment are mostly Rubicon sand with lesser ammounts of Graycalm, Montcalm, Menominee and Croswell sands. The topography is ice contact ridges, with slopes ranging from low to moderate.

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

The east part of the compartment is bordered by privately owned land. Land use in the compartment is mostly recreational and based on the proximity to West Branch is heavily used by ATV's/ORV's and hunters.

#### **Unique Natural Features:**

No Unique Natural Features known.

#### **Archeological, Historical, and Cultural Features:**

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

#### **Special Management Designations or Considerations:**

None noted.

#### Watershed and Fisheries Considerations:

None noted.

#### Wildlife Habitat Considerations:

None noted.

#### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Mississippian Michigan formation. The Michigan is quarried for gypsum in other parts of the state. Most of the good gravel pits are associated with upland areas. There are gravel pits in sections 6 and 12 and potential is good. West Branch Field is located one mile to the south. The field has produced over 16 million BO and 4.2 Bcf gas from the Devonian Dundee and Richfield formations, and is currently in secondary revovery operations. The field also produces from the Prairie Du Chien. Most of the compartment is currently leased for oil and gas development.

#### **Vehicle Access:**

Vehicle access is very good, there are poor quality forest roads along most section lines and "40" lines.

#### **Survey Needs:**

No surveys are needed at this time.

#### **Recreational Facilities and Opportunities:**

This compartment is heavily used by Hunting (large and small game), motorized recreation and seasonal mushroom / berry picking. Utilize timber management activities to balance resource protection by closing illegal trails, scramble areas

and mitigate resource damage.

The designated Ogemaw 72" ORV Route and 50" ORV Trail are widely distributed in this compartment.

Ensure signs are placed on the trail warning users of logging activity. Focus any retention pockets or clusters along or near trail. All sign posts shall be protected. Limit stacking of timber along the trail to areas with clear visibility. Ensure logging activity does not obliterate the 50" ATV trail. Protected and maintained non-merchantable understory adjacent to trail to promote narrow use. All stumps within 20 feet of the trails shall be Flush-Cut to ensure stumps do not result in unsafe conditions. For confidence markers attached to trees cut high to retain presence of signs. Portions of the ORV Route are likely to be used for hauling. Maintain road / trail bed to a condition equal to or better than before the sale prior.

#### **Fire Protection:**

This compartment is mostly oak and aspen with some small stands of red and white pine. The West Branch field office is close to this compartment which would allow quick response to fires within the compartment.

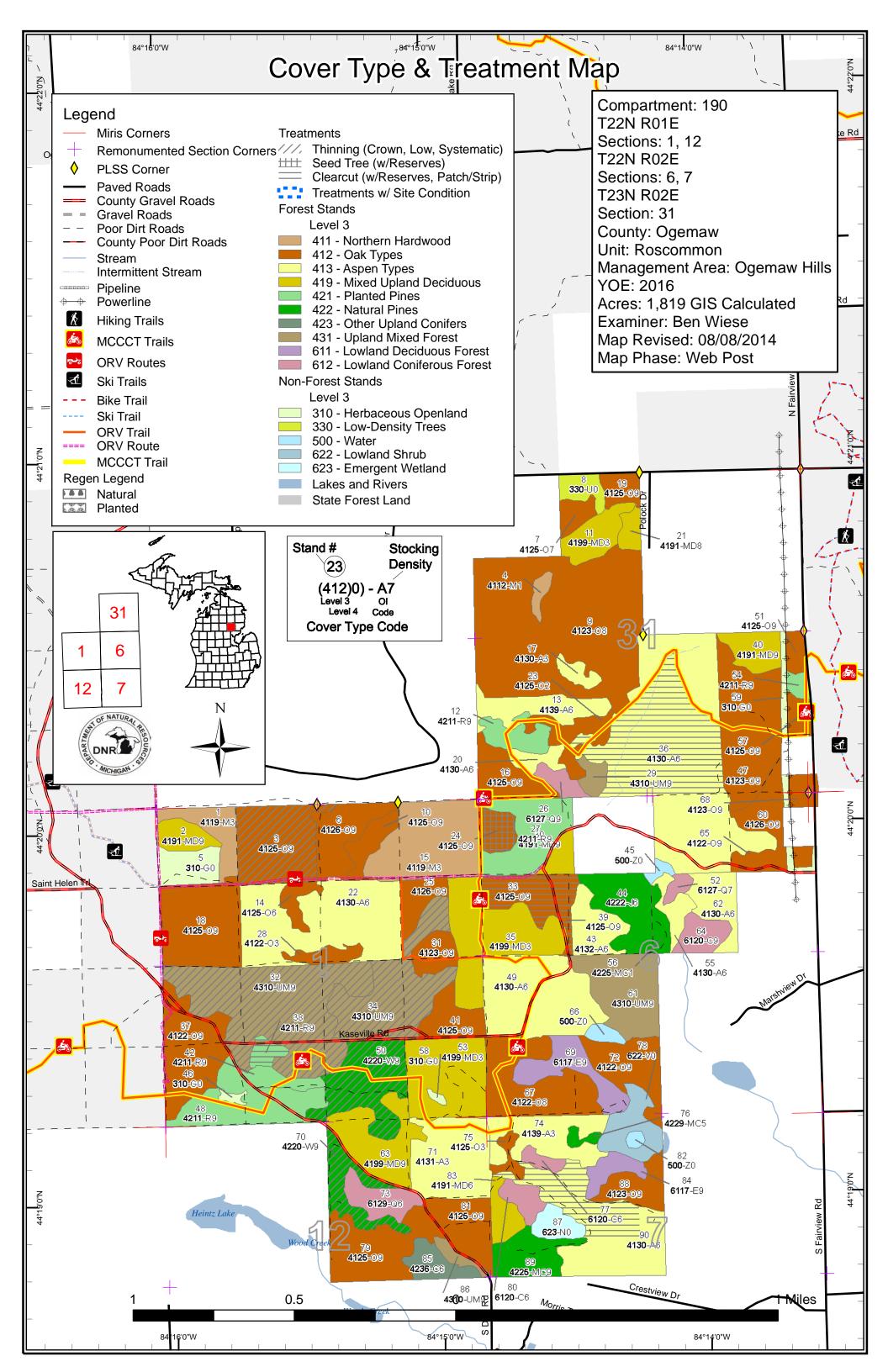
#### **Additional Compartment Information:**

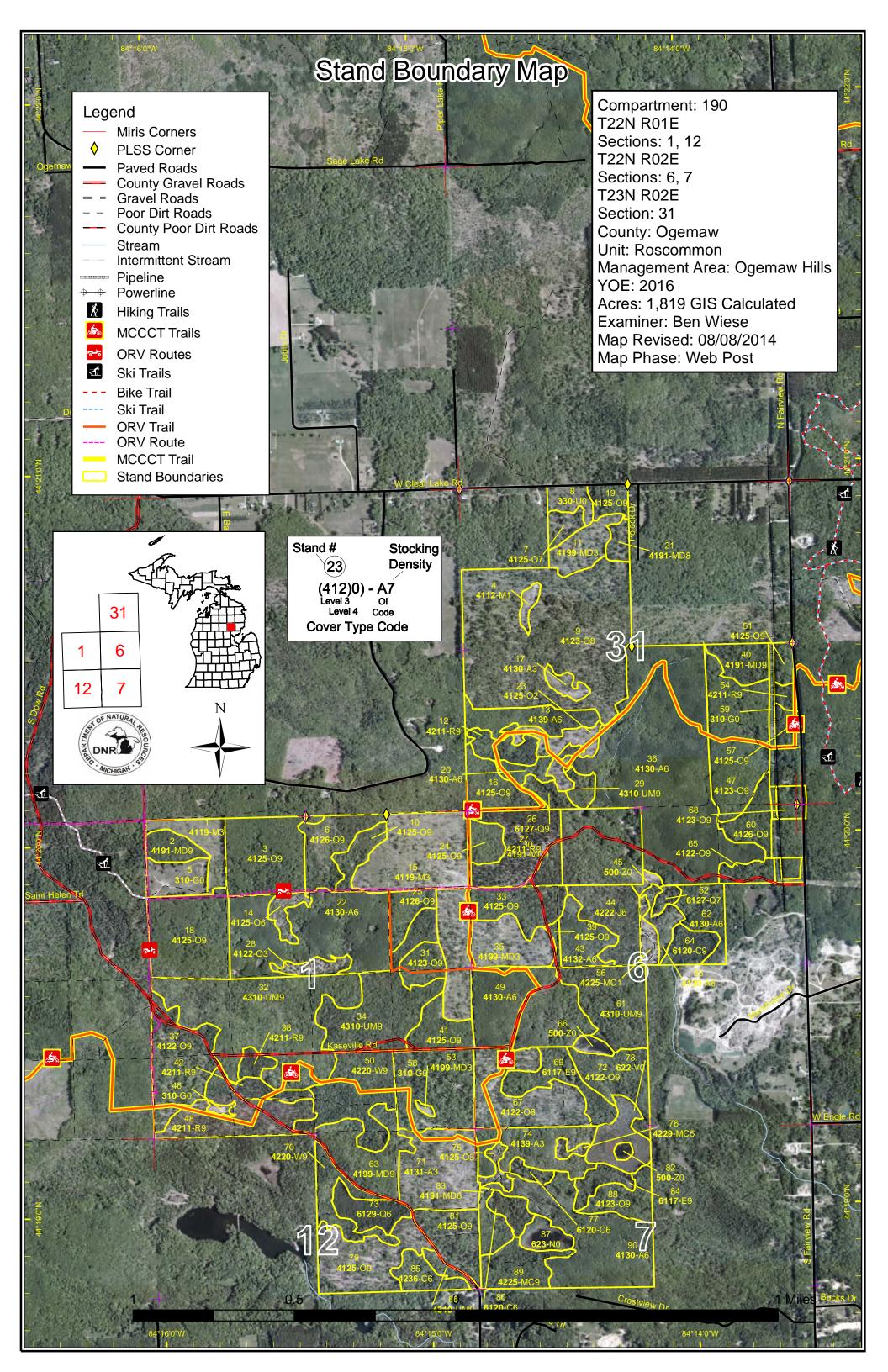
The following reports from the Inventory are attached:

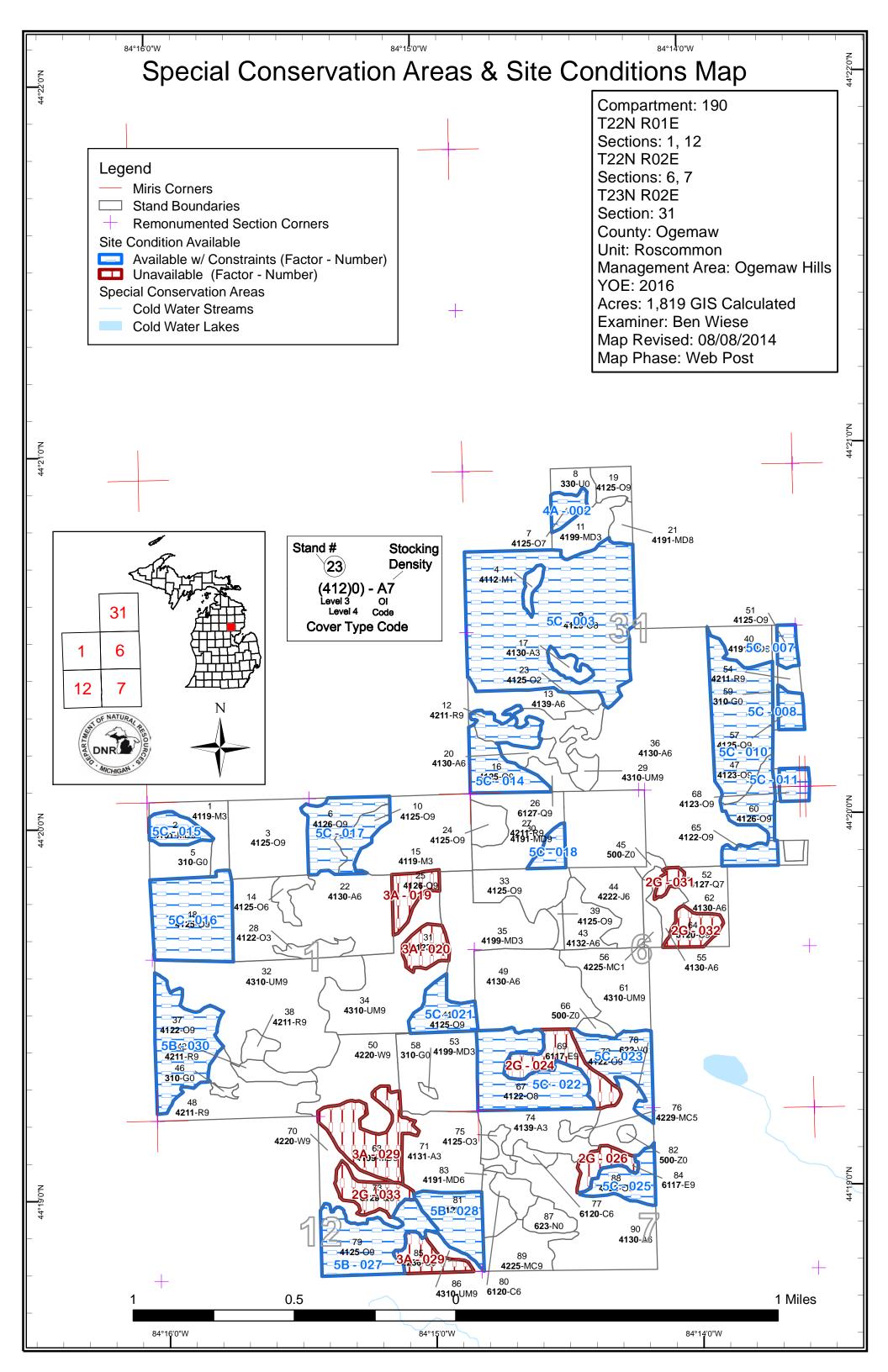
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Compartment 190 Year of Entry 2016

Roscommon Mgt. Unit

Ben Wiese: Examiner



	Age Class															
		6.9	70.79	,	\$6.0°	D. P.	\$5.05°	80.00	or of	Q1 8	86.7	on on one	70,70	× 02 / 32 / 32 / 32 / 32 / 32 / 32 / 32 /	1	, pr
Aspen	42	8	95	124	184	0	0	0	0	0	0	0	0	0	452	1
Bog	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	31	0	31	1
Herbaceous Openland	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25	
Jack Pine	0	0	0	23	0	0	0	0	0	0	0	0	0	0	23	
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
Lowland Conifers	0	0	0	0	0	6	0	13	0	0	0	0	3	0	22	
Lowland Deciduous	0	0	0	0	0	0	0	0	19	8	0	0	0	0	27	
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8	
Mixed Upland Deciduous	60	0	0	0	9	0	5	12	9	67	6	0	0	0	168	
Natural Mixed Pines	0	0	8	0	0	0	0	0	0	18	0	0	0	0	26	
Northern Hardwood	64	0	0	0	0	0	0	0	0	0	0	0	0	0	64	
Oak	14	0	17	0	0	0	0	7	36	324	185	34	10	0	627	
Red Pine	0	0	0	0	0	0	0	88	0	0	0	0	0	0	88	1
Upland Mixed Forest	0	0	0	0	0	0	0	9	33	136	0	0	0	0	178	1
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7	ĺ
White Pine	0	0	0	0	0	0	0	16	35	0	0	0	0	0	51	1
Total	244	8	120	147	192	6	5	145	132	552	191	34	45	0	1819	



## **Report 2 – Proposed Treatment Summaries**

Roscommon Mgt. Unit Year of Entry 2016

Compartment 190
Total Compartment Acres: 1,819

## **Acres by Treatment Type**

Commercial Harvest - 364 Tree Planting - 5

Other - 0

Habitat Cut - 0

Opening Maintenance - 0

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Aspen Types		102	0	0	0	0	0	102	
Natural Pines		0	0	0	0	51	0	51	•
Oak Types		24	0	9	0	38	0	70	•
Planted Pines		5	0	0	0	0	0	5	
Upland Mixed Forest		0	0	0	0	136	0	136	
	Total	131	0	9	0	224	0	364	

#### Report 3 -- Treatments Prescribed with No Limiting Eactor

Compar Year of

tment: 190	TOF NATURAL A
Entry 2016	DNR
	MICHIGAN .

**Approval** Status

Cmpt. Review

Proposal

t					WILLI	NO LIIIII	ing ractor		
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective
3	71190003-Cut	38.0	4125 - Black, N. Pin Oak	High Density Log	100	111-140	Harvest	Crown Thinning	412 - Oak

<u>Prescription</u> Thin the oak to a residual basal area of 70-80. Leave the dominant healthy trees. Cut all red maple and leave them in large bunch piles.

Specs:

<u>Other</u> Comments: This is a healthy stand of oak, thinning will reduce crowding and create less competition for the residaul trees, allowing them to stay healthy and live longer. Cutting all of the red maple may reduce nutrient competition for the residual oak in the short term and may help induce stump sprouting in a small percentage of the oak that are harvested. Leaving large bunch piles of slash could be a benefit to wildlife. This harvest is similar to the Big Gap harvest in compartment 134. Logging access will likely be along the Ogemaw Hills Route which is also considered a forest road. Logging signs

should be posted at appropriate distances.

<u>Next</u> Steps:

Proposed

10/01/2015 Start Date:

71190024-Cut High 24 8.8 4125 - Black, N. Pin 103 111-140 Harvest Seed Tree 4310 - Pine, Oak Mix Cmpt. Review Oak Density Log Proposal

Prescription Seed tree harvest to develop the understory and induce oak stump srpouting. Leave large healthy crowned oak for mast and seed also leave healthy Specs: well-formed white pine and red maple.

Other Due to the age of the oak there is good chance that it will not coppice.

Comments:

<u>Next</u> Steps:

**Proposed** 

10/01/2015 Start Date:

71190032-Cut 87.9 4310 - Pine, Oak Mix 42200 - Natural 92 111-140 Harvest Crown Thinning Cmpt. Review 32 High Density Log White Pine Proposal

Prescription Thin to promote healthy white pine and oak. Heavy thinning, the residual basal area should be 90-110 but is variable due to the stand variability. Leave the best tree in place but favor oak over white pine and white pine over red maple. Leave the aspen for diversity, future snags and CWD. Specs:

The residual stand will have a dominant component of white pine with a lesser ammount of oak and red maple. <u>Other</u>

Comments:

<u>Next</u> Steps:

**Proposed** 

Start Date: 10/01/2015

71190033-Cut 21.2 4125 - Black, N. Pin High 106 81-110 Harvest Clearcut with 4121 - Oak, Aspen Cmpt. Review Oak Density Log Reserves Proposal

Prescription Clearcut with reserves, leave pine and large-crowned oak.

Specs:

Other The reserves will be considered retention, try to leave them in clumps.

Comments:

<u>Next</u> Steps:

<u>Proposed</u>

10/01/2015 Start Date:

#### Report 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 190 Year of Entry 2016

а **Treatment** Acres CoverType Size Stand BA **Treatment Treatment Cover Type Approval** n Density Method Objective Name Age Range Status **Type** d High 81-110 4310 - Pine, Oak Mix Cmpt. Review 71190034-Cut 47.8 4310 - Pine, Oak Mix 96 Harvest Crown Thinning 34 Density Log Proposal

Prescription Thin the stand heavily. Cut most of the oak but leave the healthy, large-crowned trees. Thin the pine where the density is high and or the spacing is Specs: close. Give the residual trees plenty of room to grow and encourage oak stump sprouting

Other The Ogemaw Hills Trail passes through the north part of this stand. Use appropriate trail protection specs and post Logging signs at appropriate Comments: distances.

Next Steps:

S t

**Proposed** Start Date:

10/01/2015

Cmpt. Review 36 71190036-Cut 74.0 4130 - Aspen High 40 81-110 Harvest Clearcut 413 - Aspen Density Proposal Pole

Prescription Clearcut to regenerate aspen and balance age classes.

Specs:

Other ORV trail is the north boundary of the harvest. Use appropriate protection specs. Create one to three islands for retention, maybe in areas where the terrain is steep. Comments:

<u>Next</u>

Steps: **Proposed** 

10/01/2015 Start Date:

42110 - Planted 141-170 Harvest Clearcut 4211 - Planted Red 71190038-Cut 48 High 73 Cmpt. Review 38 Red Pine Density Log Pine Proposal

Prescription Clearcut. Chip slash for site prep.

Specs:

Other 1 4 1 Comments:

Next Site prep as needed to plant red pine. This may include roller chopping, herbicide application, trenching, or burning.

Steps:

**Proposed** 

10/01/2015 Start Date:

71190039-Cut 2.3 4125 - Black, N. Pin Hiah 81-110 Harvest Clearcut 411 - Northern Cmpt. Review 39 94 Density Log Hardwood Proposal

Prescription Clearcut. Mark to leave the healthy and well-formed pine to create diversity within the stand.

Specs:

<u>Other</u> Due the the small size of the stand it is recommended that no retention pockets be left.

Comments:

<u>Next</u>

Steps: **Proposed** 

10/01/2015 Start Date:

50 71190050-Cut 35.1 42200 - Natural High 82 171-200 Harvest Crown Thinning 4220 - Natural Cmpt. Review White Pine **Density Log** White Pine Proposal

Prescription Manage for white pine. Low and crown thin to a residual basal area of 90-110. Remove suppressed trees first and co-dominants to create space for Specs: residual tree growth. Remove most of the oak but leave the ones that are healthy with large canopies for diversity and seed. Remove most of the aspen but leave some for diversity, future snags and coarse woody debris.

<u>Other</u> Comments:

<u>Next</u> Steps:

**Proposed** 

10/01/2015 Start Date:

# Report 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 190
Year of Entry 2016

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a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
70	71190070-Cut	15.5	42200 - Natural White Pine	High Density Log	72	141-170	Harvest	Crown Thinning	4220 - Natural White Pine	Cmpt. Review Proposal

<u>Prescription</u> Specs: Thin to promote growth and vigor of the white pine and to reduce competion for the healthy dominant oak. The residual basal area should be 90-110 but will vary based on stem density, size and spacing. Leave the best formed healthy trees.

<u>Other</u>

s

Comments:

Next Steps:

Proposed

Start Date: 10/01/2015

 90
 71190090-Cut
 28.2
 4130 - Aspen
 High Density
 35
 111-140
 Harvest
 Clearcut
 413 - Aspen
 Cmpt. Review Proposal

Pole

<u>Prescription</u> Clearcut to regenerate aspen and to balance age classes.

Specs:

Other Leave one to three islands for retention.

Comments:

Next Steps:

Proposed

Start Date: 10/01/2015

**Total Treatment** 

Acreage Proposed: 363.7

Roscommon Mgt. Unit Report 4 -- Treatments Prescribed with a Site Condition

Size

Density

Stand

Age

BA

Range

**Treatment** 

Type

**Treatment** 

Method

Compartment: 190
Year of Entry 2016

**Cover Type** 

Objective

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Status

#Type! #Type!

CoverType

Acres

Prescription

Specs:

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n

Other Comment:

Next Steps:

Proposed

Start Date: #Type!

Limiting Factor

Total Treatment

**Treatment** 

Name

Acreage Proposed: 0.0

**GAMBERGP** 

Ben Wiese: Examiner

Compartment 190 Year of Entry 2016

Avail	ability for	Management							
Total	Acres	Acres	[	Domina	nt Site	e Con	dition	s	
Acres	Available	Not Available		No	5C	5B	4A	3A	2G
452	452		Aspen	452					
31	11	20	Cedar	11				10	10
23	23		Jack Pine	23					
22	6	16	Lowland Conifers	6					16
27		27	Lowland Deciduous						27
168	139	29	Mixed Upland Deciduous	123	15			29	
26	26		Natural Mixed Pines	26					
64	64		Northern Hardwood	64					
626	606	20	Oak	111	400	89	6	20	
88	88		Red Pine	77	11				
178	178		Upland Mixed Forest	178					
51	51		White Pine	51					
1,754	1,642	112	Total Forested Acres	1,121	426	89	6	59	53
	94%	6%	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.

	ominant Site ond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Available	4A: No merchantable products (see product standards)	6				
Cor	mments:						
003	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	136				
Co	mments:						

Roscommon Mgt. Unit
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007	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5							
Co	omments:									
800	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6							
Co	Comments:									
010	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	68							
Co	omments:									
011	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6							
Co	omments:									
014	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28							
Co	omments:									
015	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9							
Co	omments:									

## Report 5 – Site Conditions

Roscommon Mgt. Unit
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016	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41
С	omments:		
017	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30
С	omments:		
018	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6
С	omments:		
019	Not Available	3A: Potential old growth / biodiversity	10
С	omments:		
020	Not Available	3A: Potential old growth / biodiversity	10
С	omments:		
021	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14
С	omments:		

## Report 5 – Site Conditions

Roscommon Mgt. Unit
Ben Wiese: Examiner

022	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39					
Co	omments:							
023	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23					
Co	Comments:							
024	Not Available	2G: Too wet (sensitive soils, does not include access issues)	19					
Co	omments:							
025	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14					
Co	omments:							
026	Not Available	2G: Too wet (sensitive soils, does not include access issues)	8					
Co	omments:							
027	Available	5B: Maintain for regeneration purposes	34					
Co	omments:							

## Report 5 – Site Conditions

Roscommon Mgt. Unit
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028	Available	5B: Maintain for regeneration purposes	20
С	omments:		
029	Not Available	3A: Potential old growth / biodiversity	39
С	omments:		
030	Available	5B: Maintain for regeneration purposes	36
С	omments:		
031	Not Available	2G: Too wet (sensitive soils, does not include access issues)	3
С	omments:		
032	Not Available	2G: Too wet (sensitive soils, does not include access issues)	10
С	omments:		
033	Not Available	2G: Too wet (sensitive soils, does not include access issues)	13
С	omments:		

Compartment: 190 Year of Entry: 2016

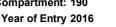


## Report 6 - PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* 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
Comments				

Roscommon Mgt. Unit Compartment: 190





## Report 7 - 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.

Conservation	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical ristes of cultural and historical significance that may occur upon to bottomlands. They include thousands of Native American settler and British outposts, nineteenth century logging camps, mines at the Great Lakes, there are shipwrecks and other remains documbe identified by Natural heritage data from the State Historic Prethis compartment will be implemented in such a manner as to me the sensitive nature of this information, no further detail about logical sides.	errestrial areas and Great Lakes nents and burial sites, as well as French and homesteads. Beneath the waters of nenting the maritime trade. Such sites may servation Office. Proposed treatments in aintain the integrity of these sites. Due to
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions stocked trout populations and those of other coldwater fish spec conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish spec year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from se conditions due to substantial

S t				Report 8	– Forested	Stands Compartment: 190 Year of Entry: 2016
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4119 - Mixed Northern Hardwoods	High Density Sapling	14.2	6		Cut in 2008 as part of Tomahawk Oak 71-012-06-01. Planted to red pine in 2010.
2	4191 - Mixed Upland Deciduous with Conifer	High Density Log	9.1	85	141-170	This is a small, healthy, unmanaged stand of oak and pine with a lot of coarse woods debris.
3	4125 - Black, N. Pin Oak	High Density Log	38.0	100	111-140	Cut in 1988-1989 as part of Block 472. The specs were to cut all aspen, red maple and jack pine containing at least one 100-inch pulp stick. The current stand is red oak canopy with a red maple understory.
4	4112 - Maple, Beech, Cherry Association	Low Density Sapling	3.3	5		This stand was the landing for the harvest of the surrounding stands in 2008-2009.
6	4126 - White, Black, N. Pin Oak	High Density Log	20.8	89	111-140	Mature oak stand the red maple wa cut in 1988-1989 as part of Block 472. The red maple understory is dense, a combination of single stem and stump sprouts.
7	4125 - Black, N. Pin Oak	Low Density Log	6.2	93	1-50	Oak and cherry stand with scattered trace ammounts of red pine and white pine. There are scattered openings and the density is variable.
9	4123 - Red Oak	Medium Density Log	135.9	93	81-110	Cut in 08-09 as part of Eastwood Oak 71-025-06-01. The stand is two-aged with a sapling cohort of oak, maple, cherry and aspen and mature oak.
10	4125 - Black, N. Pin Oak	High Density Log	9.6	89	81-110	This oak stand was cut in 1988-1989 as part of Block 472. The red maple was removed and has regenerated into a dense understory.
11	4199 - Other Mixed Upland Deciduous	High Density Sapling	14.3	5	1-50	Cut in 08-09 as part of Eastwood Oak 71-025-06-01. The stand is two-aged with a sapling cohort of oak, maple, cherry and aspen and scattered mature oak.
12	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	10.9	79	81-110	Large mature red pine stand appears to be of natural origin but is a plantation that was established in 1935.
13	4139 - Aspen, Mixed Deciduous	High Density Pole	18.4	40	111-140	Pole-sized aspen mixed with red maple.
14	4125 - Black, N. Pin Oak	High Density Pole	6.3	26	1-50	Pole and sapling oak with red maple approximately 75% forested.
15	4119 - Mixed Northern Hardwoods	High Density Sapling	46.2	5		Cut in 2008 as part of Tomahawk Oak 71-012-06-01. Planted to red pine in 2010.  There are scattered super canopy white oak. The natural regeneration is dense in places and sparse in others.
16	4125 - Black, N. Pin Oak	High Density Log	17.3	103	111-140	MAture stand of black/red hybrid oak with examples of each. White pine is mostly poles and saplings. There is a pocket of bigtooth aspen in the northwest part of the stand.

s t	Roscommor	Mgt. Unit		Report 8	– Forested	Stands Compartment: 190 Year of Entry: 2016
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	4130 - Aspen	High Density Sapling	4.7	6		Cut in 08-09 as part of Eastwood Oak 71-025-06-01. The stand is two-aged with a sapling cohort of oak, maple, cherry and aspen and scattered mature oak.
18	4125 - Black, N. Pin Oak	High Density Log	41.5	103	141-170	Mature oak that was cut in 1988-1989 as part of Block 472. The red maple was cut and has since regenerated into a fully stocked understory and is now just entering the canopy.
19	4125 - Black, N. Pin Oak	High Density Log	7.3	73	81-110	Small upland mixed upland stand of oak, maple and pine. There is a developing cohort of red maple saplings and poles.
20	4130 - Aspen	High Density Pole	6.0	40	111-140	Pole size aspen and red maple stand.
21	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	5.1	62	51-80	Mixed mature stand of oak, pine and cherry, Density is variable with open areas of hawthorn, oak and maple saplings.
22	4130 - Aspen	High Density Pole	68.7	27	111-140	Aspen and oak pole-sized stand.
23	4125 - Black, N. Pin Oak	Medium Density	13.9	6	1-50	Cut in 08-09 as part of Eastwood Oak 71-025-06-01.
24	4125 - Black, N. Pin Oak	High Density Log	8.8	103	111-140	Mature oak stand with a white pine understory and a trace ammount of red pine poles and saplings.
25	4126 - White, Black, N. Pin Oak	High Density Log	10.3	168	141-170	Mature, large, healthy white oak and black/red oak. The stand appears to be unmanaged. There is a trace ammount of super canopy red pine and white pine.
26	6127 - Lowland Pine	High Density Log	5.6	54	81-110	Small lowland white pine with a variable density and age.
27	42110 - Planted Red Pine	High Density Log	28.8	72	81-110	Red and white pine stand that was heavily thinned in 1999 as part of the Block 884 timber sale. The stand is more open to the south.
28	4122 - Oak, Pine	High Density Sapling	6.2	26	1-50	Pole and sapling oak and white pine. Oak is both stump sprouts and from single stem, the sprouts are larger in diameter.
29	4310 - Pine, Oak Mix	High Density Log	5.1	79		Mature pine with oak, red maple and white pine in the understory.
30	4191 - Mixed Upland Deciduous with Conifer	High Density Log	6.2	103	111-140	Upland log-size stand with a mix of oak and pine.
31	4123 - Red Oak	High Density Log	9.8	99	111-140	This is a unique, small, unmanaged stand of large, healthy mature oak and white pine. There are two small ponds possibly vernal. The white oak is not evenly distributed and the white pine is present in the understory, mid-canopy, and canopy.

S t				Report 8	– Forested	Stands Compartment: 190 Year of Entry: 2016
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
32	4310 - Pine, Oak Mix	High Density Log	87.9	92	111-140	This stand is mixed log-sized oak and white pine with a trace ammount of bigtooth aspen. It appears to be unamaged. The white pine is likely multi aged.
33	4125 - Black, N. Pin Oak	High Density Log	21.2	106	81-110	This is an unmanged stand of oak and bigtooth aspen with white pine. The oak is poor to medium quality and is senescing, There is a moderate to heavy white pine understory.
34	4310 - Pine, Oak Mix	High Density Log	47.8	96	81-110	Poor to medium quality log sized black and red oak mixed with white pine and red pine. The oak is senescing, the pine is healthy. A small ammount of oak is present in the sub-canopy. There is a moderate ammount of coarse woody debris mostly from natural mortality.
35	4199 - Other Mixed Upland Deciduous	High Density Sapling	45.7	6		Two-aged stand with super canopy white oak and a mix of maple, aspen, pine and oak. The stand was regenerated in 2008 as part of Tomahawk Oak.
36	4130 - Aspen	High Density Pole	144.1	40	81-110	Pole-size aspen stand with a mix of red oak and red maple, there is a compnent of ash seedlings and saplings. The stand is healthy with vigorous growth.
37	4122 - Oak, Pine	High Density Log	35.6	106	81-110	This sand was thinned in 1999 as part of the Block 884 timber sale. This is a log sized white and red oak stand with a component of white pine. The north tip of the stand is mostly white pine. The oak is healthy. Red maple and white pine are both well developed in the understory, the red maple is very dense in places, there are pockets of aspen saplings.
38	42110 - Planted Red Pine	High Density Log	4.8	73	141-170	Red pine stand that was set up for thinning in 1999 as part of the Block 884 timber sale, the stand was never harvested.
39	4125 - Black, N. Pin Oak	High Density Log	2.3	94	81-110	Mature oak stand that is ready to be regenerated. There is a light ammount of coarse woody debris.
40	4191 - Mixed Upland Deciduous with Conifer	High Density Log	12.1	73	51-80	Upland stand of mixed pine, oak, aspen and maple.
41	4125 - Black, N. Pin Oak	High Density Log	14.3	99	111-140	This is a small, unmanaged stand of mature red oak and white pine with a componnent of bigtooth aspen. The stand is healthy and adds good diversity to the compartment.
42	42110 - Planted Red Pine	High Density Log	7.1	75	111-140	The stand was harvested in 1999 as part of the Block 884 timber sale. It is now two-aged with a overstoryt of red pine and an understory of oak and pine.
43	4132 - Aspen, Jack Pine	High Density Pole	15.7	36	81-110	Mixed pole-sized aspen, oak and pine.

42220 - Natural Jack Pine

44

High Density Pole

23.0

36

51-80

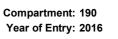
Pole-sized jack pine and oak with low density oak seedlings and

saplings in the understory.

S t				Report 8	– Forested	Stands Compartment: 190 Year of Entry: 2016
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	4123 - Red Oak	High Density Log	48.3	93	111-140	Very nice red oak stand. There is more black oak in the south part of the stand.
48	42110 - Planted Red Pine	High Density Log	33.1	75	111-140	Harvested in 2010 by cutting marked trees and all aspen, jack pine and red maple. Oak saplings are developing in the understory, most are less than three feet tall.
49	4130 - Aspen	High Density Pole	52.1	37	111-140	Pole-sized stand ofaspen, oak, white pine, and red maple.
50	42200 - Natural White Pine	High Density Log	35.1	82	171-200	Natural white pine stand with a mix of mature oak. The stand density is high and growth is stagnant. The understory is well stocked with white pine and a moderate ammount of oak seedlings less than three feet tall. Much of the canopy oak is suppressed and senescing.
51	4125 - Black, N. Pin Oak	High Density Log	5.0	93	81-110	Small stand of large healthy oak located betwen power lines and a road.
52	6127 - Lowland Pine	Low Density Log	3.1	147	1-50	Lowland stand of white pine mixed with cedar, red maple and some paper birch. Alder and winterberry in the understory.
53	4199 - Other Mixed Upland Deciduous	High Density Sapling	37.7	96	1-50	Harvested in 1999 as part of the Block 884 timber sale.
54	42110 - Planted Red Pine	High Density Log	3.4	70	111-140	Large, healthy red pine and oak with a small component of white ash poles and saplings infected with EAB.
55	4130 - Aspen	High Density Pole	7.5	15	51-80	Pole/sapling size aspen stand that was regenerated in 1999 as part of the Block 884 timber sale.
56	42250 - Pine, Oak	Low Density Sapling	5.6	22	1-50	Harvested in 1999 as part of the Block 884 timber sale. The stand is saplings and pole sized jack pine, pin oak and white pine.
57	4125 - Black, N. Pin Oak	High Density Log	6.0	84	51-80	This is a small, mature stand of healthy with a component of white pine located between Fairview Road and power lines.
60	4126 - White, Black, N. Pin Oak	High Density Log	13.0	93	81-110	Mature, healthy, oak stand. Based on the stump sprouts and an oak core that showed a growth increase, the red maple was removed 25-35 years ago. These red maple poles and saplings are just entering the canopy.
61	4310 - Pine, Oak Mix	High Density Log	33.2	86	111-140	This stand is a mix of log sized white pine and oak with a compnent of aspen, red pine and red maple. The south part of the stand has a low pocket of cedar.
62	4130 - Aspen	High Density Pole	15.2	40	81-110	Vigorous, healthy stand of pole and sapling aspen, oak and maple.
63	4199 - Other Mixed Upland Deciduous	High Density Log	28.9	95	141-170	Mature mixed upland stand. Nice white pine.

s t	Roscommor	Roscommon Mgt. Unit		Report 8	– Forested	Stands Compartment: 190 Year of Entry: 2016
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
64	6120 - Lowland Cedar	High Density Log	9.9	130	111-140	
65	4122 - Oak, Pine	High Density Log	7.2	98	51-80	
67	4122 - Oak, Pine	Medium Density Log	39.1	96	1-50	Cut in 2008 as part of Tomahawk Oak 71-012-06-01. The stand is a mix of white and black oak with a high percentage of white pine. The understory is well stocked with oak saplings less than three feet tall and also a mix of aspen, maple and white pine.
68	4123 - Red Oak	High Density Log	8.4	100	111-140	Healthy, mature red oak stand with a dense red maple understory. This is a small stand located between Fairview Road, power lines and PVT ownership.
69	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	18.8	86	81-110	The stand is a combination of lowland and upand, there are "wet runs" throughout the stand. Thre is a mix of upland and lowland species with large mature red maple and a trace ammount of red pine.
70	42200 - Natural White Pine	High Density Log	15.5	72	141-170	Small stand of natural white pine mixed with white oak and red/back oak. Many of the dominant trees are crowded. Thinning this stand would reduce competition for the mature oak and would create room to grow for the white pine. Opening the canopy through thinning will also allow for understory development.
71	4131 - Aspen, Oak	High Density Sapling	37.4	6	1-50	Cut in 2008 as part of Tomahawk Oak 71-012-06-01. The stand is two-aged, there are super canopy white oak and white pine and sapling aspen, maple and oak. The red maple is mostly stump sprouts
72	4122 - Oak, Pine	High Density Log	22.6	95	81-110	The stand is mixed with mature oak and log/pole sized white pine. The species distribution are uneven. There are areas in the stand that are lower but not considered lowland.
73	6129 - Mixed Coniferous Lowland Forest	High Density Pole	12.9	70		Lowland conifer stand, treed bog.
74	4139 - Aspen, Mixed Deciduous	High Density Sapling	26.5	25	111-140	
75	4125 - Black, N. Pin Oak	High Density Sapling	4.2	25	1-50	
76	42290 - Natural Mixed Pine	Medium Density Pole	2.4	25	1-50	Natural mixed pine stand. The stand may have been a landing for the previous harvest. There are small dense pockets of jack pine, small openings and open grown trees.
77	6120 - Lowland Cedar	High Density Pole	3.8	124		Cedar swamp with super canopy white pine, and hemlock around the edge. The stand has pockets of blowdown and individual stems.

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t						Year of Entry: 2016
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
79	4125 - Black, N. Pin Oak	High Density Log	33.9	110	51-80	Harvested in 2010 by cutting marked trees and all aspen, jack pine and red maple. The stand is now two-aged wih a super canopy of black/red oak and red pine with a sapling class of aspen and red maple.
80	6120 - Lowland Cedar	High Density Pole	7.2	124	200+	Lowland cedar with super canopy white pine and scattered paper birch. There are pockets of blowndown trees and individual stems. The basal area is very high in some places. There are pockets of blowndown trees and also individual stems.
81	4125 - Black, N. Pin Oak	High Density Log	19.8	94	51-80	Harvested in 1999 as part of the Block 884 timber sale. The stand is two-aged with a oak and pine overstory and a maple aspen understory which is well developed. The red maple and aspen were removed from the stand, the oak and pine were not thinned. The basal area is variable due to the harvest method. There are some low, wet areas in the south part of the stand.
83	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.5	42	81-110	Pole-sized mixed upland stand. White oak and white pine were left when the stand was harvested.
84	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	8.0	92		Mixed lowland stand, mostly red maple.
85	42360 - Upland Cedar	High Density Pole	10.4	123	171-200	Lowland cedar mix.
86	4310 - Pine, Oak Mix	High Density Log	3.9	72	81-110	Small upland stand of white pine and oak.
88	4123 - Red Oak	High Density Log	13.9	109	111-140	Mature healthy stand of large red oak and super canopy white pine. This is a unique stand that borders lowland to the north.
89	42250 - Pine, Oak	High Density Log	17.8	90	81-110	Mixed stand of white pine, red pine and oak. There is lowland in the north part of the stand.
90	4130 - Aspen	High Density Pole	55.9	35	111-140	Pole-sized aspen oak and red maple. There was a small wildfire in 2011-2012, there was very little damage to the trees.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	3102 - Grass	13.3	No	Unspecified	
8	3301 - Low Density Deciduous Trees	7.4	No	Unspecified	
45	50 - Water	2.1	No	Unspecified	
46	3105 - Mixed Upland Herbaceous	1.5	No	Unspecified	
58	3105 - Mixed Upland Herbaceous	1.0	No	Unspecified	
59	3102 - Grass	9.4	No	Unspecified	
66	50 - Water	3.3	Unspecified	Unspecified	
78	6225 - Bog	16.3	No	Unspecified	
82	50 - Water	1.6	No	Unspecified	
87	6239 - Mixed Emergent Wetland	8.1	No	Unspecified	