

Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 84 Entry Year 2015

Acreage: 1,930

Management Area: Houghton Lake Wetlands

County Missaukee

Revision Date: 08/23/2013 Stand Examiner: Jim Malloy

Legal Description:

T24N R5W Sections 25, 26, 27

Identified Planning Goals:

Limit development and motorized use of the area and manage towards a wildlife and wetland emphasis. Maintain a variety of cover types and age classes

Soil and topography:

Croswell Sand, Tawas Mucky Peat, Roscommon Mucky Sand and AuGres Loamy Sand. Flat, damp to wet lowland area; for the most part inaccessible to vehicle traffic

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

This compartment is in the Deadstream Swamp Natural Landmark boundary and is all state ownership. The Deadstream Swamp is dedicated under the Natural Heritage Act and the DNR's NRC. Manage towards a wildlife and wetland emphasis. Hunting and trapping are popular activities in this compartment.

Unique Natural Features:

A portion of the Deadstream Swamp is located in the eastern portion of this compartment. The Deadstream and Willow Run creek run through the compartment.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

As mentioned above, limit development and manage toward wildlife and wetland emphasis. The Deadstream Swamp is one of the largest northern white cedar swamps in the US. It was designated a National Landmark in January 1976. It is also the largest deer yard in the Lower Peninsula. Rules governing the dedicated lands include:

- a) All motorized land equipment shall be confined to public roads, and to department designated interior roads.
- b) The launching of motor driven boats from state-owned land shall be limited to those using 7-1/2 brake horsepower or less

Watershed and Fisheries Considerations:

The Deadstream flows through Compartment 84. The Deadstream is a Designated Trout Stream with a reputation for producing large brook trout. It has also been severely degraded by beaver damming in the past. Appropriate buffers to discourage beaver dams in trout streams are recommended. (R. O'Neal, 8/24/2013).

Wildlife Habitat Considerations:

This compartment is located within the Highplains Ecosystem, Grayling Outwash Plain Subsection, LTA 5149. The surrounding landscape is primarily forested but includes pockets of openlands. Historically, this area was composed of a matrix of emergent wetlands, lowland conifer swamp, and mesic northern forest. Presently, this area is composed of mixed lowland conifer and emergent wetlands in lowland areas and mixed hardwoods and aspen in upland areas. The Deadstream Swamp is a core black bear area and the largest deer wintering area in the Lower Peninsula. Wildlife habitat objectives for this compartment are to continue to manage for high structural diversity within stands and age class diversity across the compartment in those areas were treatments can be conducted. Featured species of special interest are bear, deer, turkey, beaver, woodcock, ruffed grouse, golden-winged warbler and snowshoe hare. (E. Victory, 8/21/13)

Mineral Resource and Development Concerns and/or Restrictions

Sections 25 - 27, T24N-R5W, Missaukee County

Surface sediments consist of peat and muck. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan Formation is quarried for gypsum in other areas of the

State. A gravel pit is located in Section 13 to the north, but gravel potential appears to be limited. East Norwich Field is located one mile north of this compartment. The field has produced over 15.9 million BO and 15.7 Bcf gas from the Devonian Richfield Formation. It is in secondary recovery operations currently. The entire Compartment is leased for oil and gas development. (T. Hoane, 3/6/2013).

Vehicle Access:

A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for closure. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

There are no developed recreational facilities within this compartment. Recreational opportunities are naturalistic-including hunting, trapping, hiking, berry & mushroom gathering (T.M.N. 7/8/13)

Fire Protection:

Access is very limited within this compartment. There is no private property and few ways for the public to access the lands. Very few fires have been responded to due the fuel type. In a drought year, the fuels could present a challenge of suppression, due the muck and peat soils. (B. Tower, 2013).

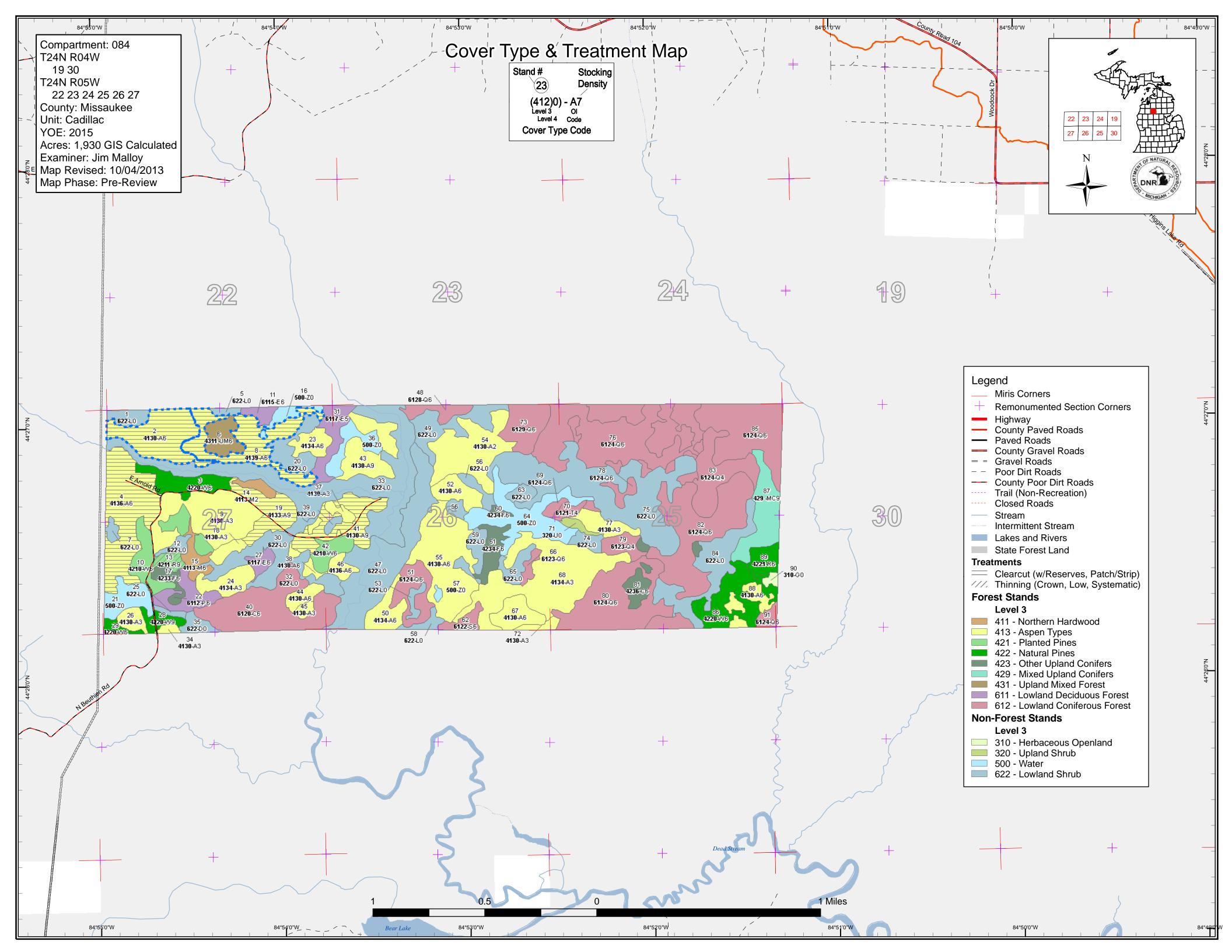
Additional Compartment Information:

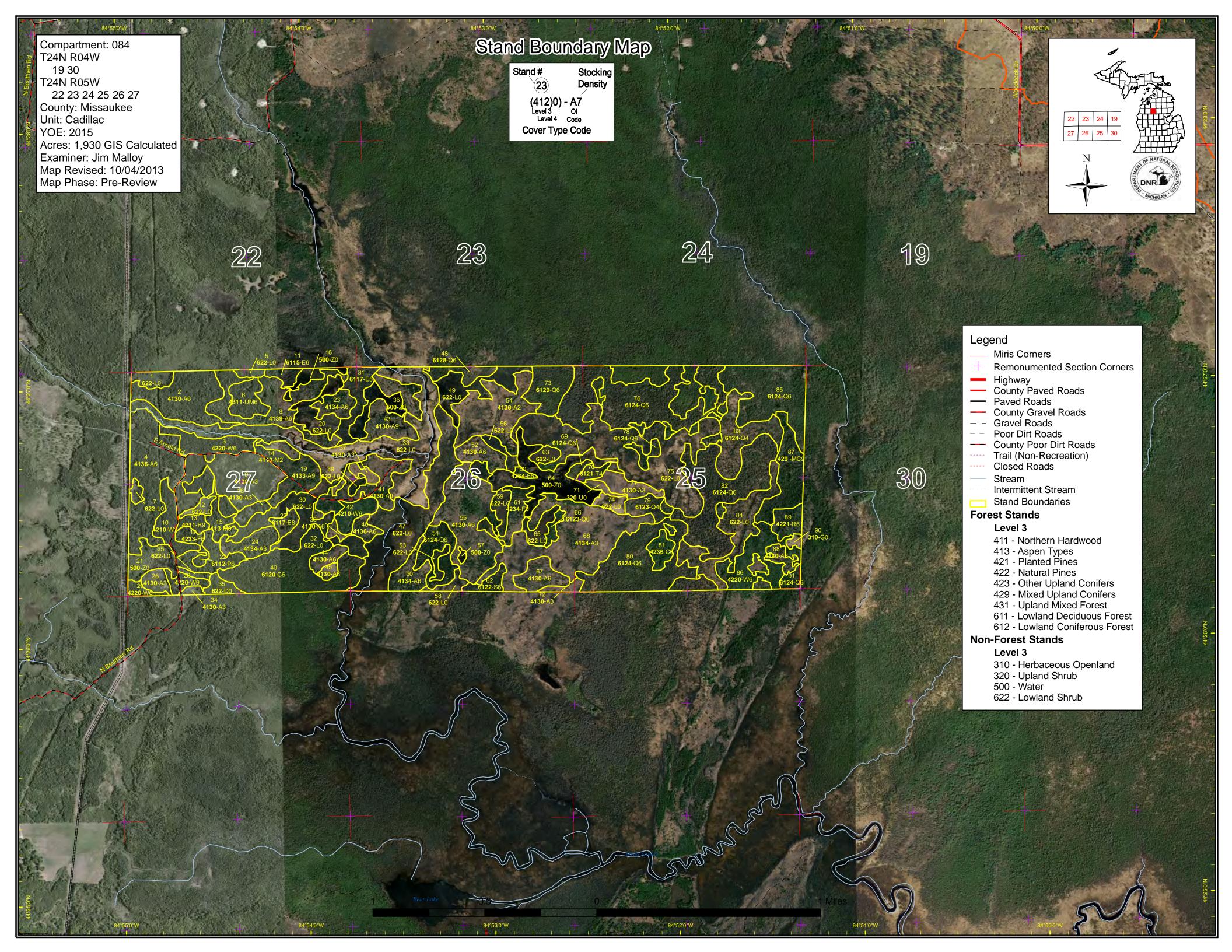
The following reports from the Inventory are attached:

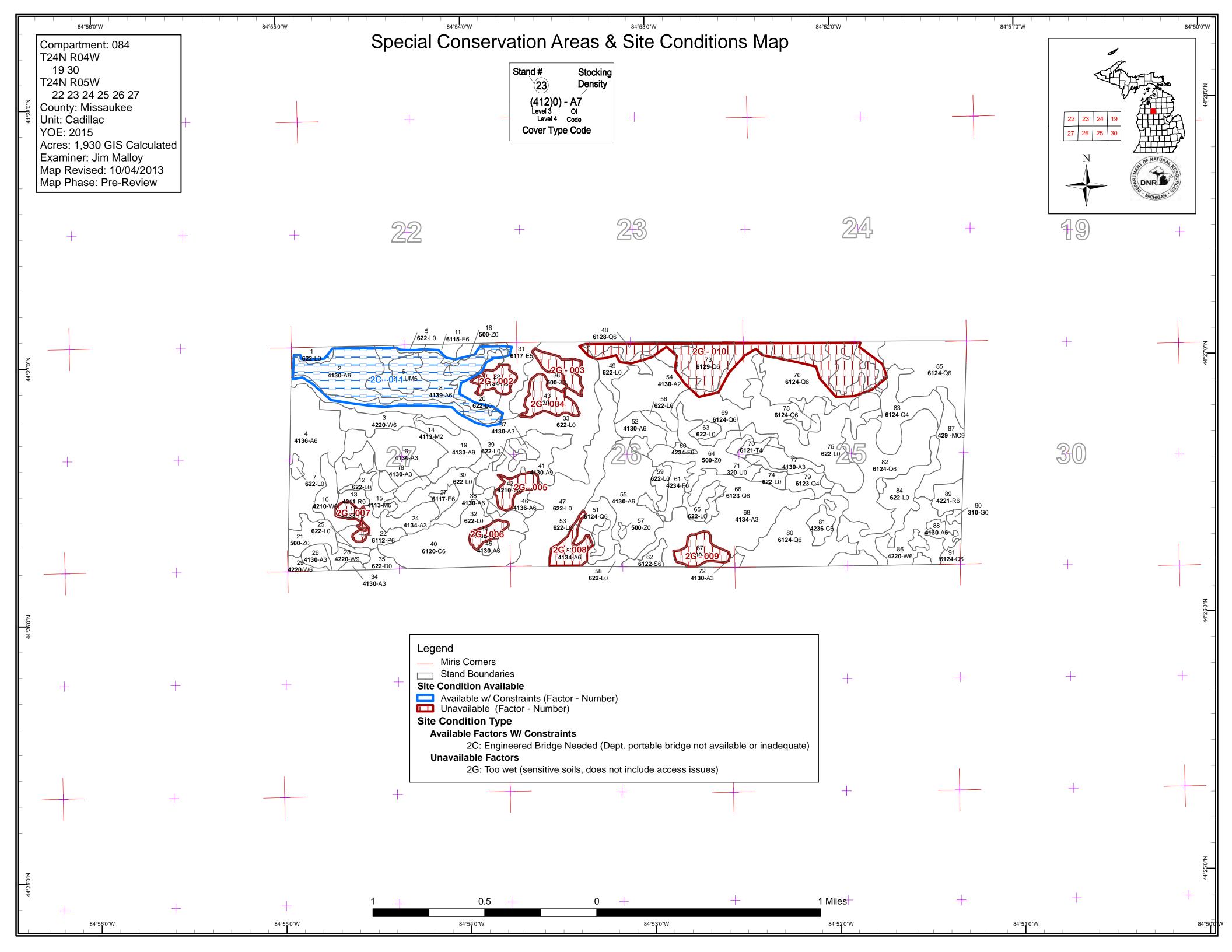
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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 084 Year of Entry 2015

Cadillac Mgt. Unit
James Malloy : Examiner



Age Class 11.00 M 700,709 70,79 10,0 80°. 20.25 % % 70× Aspen Cedar Herbaceous Openland Lowland Aspen/Balsam Poplar Lowland Conifers Lowland Deciduous Lowland Shrub Lowland Spruce/Fir Northern Hardwood Red Pine Tamarack Treed Bog Upland Conifers Upland Mixed Forest Upland Shrub Upland Spruce/Fir Water White Pine Total



Report 2 – Proposed Treatment Summaries

Cadillac Mgt. Unit Year of Entry 2015

Compartment 084 Total Compartment Acres: 1,930

Acres by Treatment Type

Other - 0

Commercial Harvest - 209 Tree Planting - 0

Habitat Cut - 0 Opening Maintenance - 0

		Cover Type by Harvest Method							
		/	See of	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No. S.	No OO	Cinting Off	S. J. S.	S. R. S.
Aspen Types		204	0	0	0	0	0	204	
Planted Pines		0	0	0	0	5	0	5	
	Total	204	0	0	0	5	0	209	

Cadillac Mgt. Unit

Report 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 084
Year of Entry 2015

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n	Treatment	Acres	Cove

a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	63084004-Cut	63.1	4136 - Aspen, Mixed Conifer	High Density Pole	52		Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal

<u>Prescription</u> Final harvest stand and leave all red pine and 10 BA of white pine. Cut all balsam. Add Grouse and Hare spec to final sale specs.

Specs:

Other above and below ground pipeline runs through middle of stand.

Comments: Will need temp bridge over Addis Creek

<u>Next</u> Steps:

Proposed

Start Date: 10/01/2014

13 63084013-Cut 5.4 42110 - Planted High 71 81-110 Harvest Low Thinning 42210 - Natural Cmpt. Review Red Pine Proposal

Prescription Thin pine to a residual BA of 80.

Specs:

Other Allow for natural regen and encroachment from adjacent stands.

Comments: Will need temp bridge over Addis Creek

Next Steps:

Proposed

Start Date: 10/01/2014

19 63084019-Cut 23.4 4133 - Aspen, High 62 Harvest Clearcut with 4133 - Aspen, Cmpt. Review Mixed Pine Density Log Reserves Mixed Pine Proposal

<u>Prescription</u> Final harvest leave red pine and a buffer along creek to the north per fish div. Add Grouse and Hare spec to final sale specs.

Specs:

Other Will need temp bridge over Addis Creek

Comments:

Next Steps:

Proposed

Start Date: 10/01/2014

41 63084041-Cut 29.4 4130 - Aspen High 51 Harvest Clearcut with 4130 - Aspen Cmpt. Review Proposal

<u>Prescription</u> Final harvest leave oak. buffer along creek. Add Grouse and Hare spec to final sale specs.

Specs:

Other Will need temp bridge over Addis Creek

Comments:

Next

Steps: Proposed

Start Date: 10/01/2014

Total Treatment

Acreage Proposed: 121.4

Cadillac Mgt. Unit Report 4 -- Treatments Prescribed with Compartment: 084 a Limiting Factor s Year of Entry 2015 t **Treatment** Acres CoverType Size Stand BA **Treatment Treatment Cover Type Approval** n Density Method Objective **Status** d Name Age Range Type 4130 - Aspen Cmpt. Review 2 63084002-Cut 41.8 4130 - Aspen High 56 Harvest Clearcut with Density Reserves Proposal Pole Prescription Final harvest. Leave all red pine and 10 BA of white pine. Add Grouse and Hare spec to final sale specs. Specs: Other Innaccessable due to need to cross Deadstream Creek Comment: Possiable access along pipeline to the west during extreme frozen conditions. <u>Next</u> Steps: Proposed Start Date: 10/01/2014 **Limiting Factor** 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate) Cmpt. Review 8 63084008-Cut 45.9 4139 - Aspen, High 53 Harvest Clearcut with 4133 - Aspen, Mixed Deciduous Density Reserves Mixed Pine Proposal Pole Add Grouse and Hare spec to final sale specs. **Prescription** Specs: **Other** Innaccessable due to need to cross Deadstream Creek Comment: Possiable access along pipeline to the west during extreme frozen conditions. Next

Steps:

Proposed

Start Date: 10/01/2014

Limiting Factor 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)

Total Treatment

87.7 **Acreage Proposed:**

Cadillac Mgt. Unit
Jim Malloy: Examiner

Compartment 084 Year of Entry 2015

Availability for Management Total Acres Acres

Dominant Site Conditions

Total	710103	710103	ים	Jiiiiiiai	it Site	Condi
Acres	Available	Not Available		No	2G	2C
611	529	82	Aspen	444	82	85
75	75		Cedar	75		
16	16		Lowland Aspen/Balsam Poplar	16		
425	341	84	Lowland Conifers	341	84	
28	28		Lowland Deciduous	26		2
7	7		Lowland Spruce/Fir	7		
14	14		Northern Hardwood	14		
16	16		Red Pine	16		
4	4		Tamarack	4		
30	30		Upland Conifers	30		
15	15		Upland Mixed Forest			15
21	14	7	Upland Spruce/Fir	14	7	
100	89	11	White Pine	89	11	
1,362	1,177	185	Total Forested Acres	1,076	185	102
	86%	14%	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.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Not Available	2G: Too wet (sensitive soils, does not include access issues)	11				
C	Comments:						
003	Not Available	2G: Too wet (sensitive soils, does not include access issues)	12	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)			
C	Comments:						

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004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	18				
С	Comments:						
005	Not Available	2G: Too wet (sensitive soils, does not include access issues)	11				
С	omments:						
006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	7				
С	omments:						
007	Not Available	2G: Too wet (sensitive soils, does not include access issues)	7				
С	omments:						
800	Not Available	2G: Too wet (sensitive soils, does not include access issues)	14				
С	omments:						
009	Not Available	2G: Too wet (sensitive soils, does not include access issues)	15				
С	omments:						

Report 5 – Site Conditions

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Jim Malloy: Examiner

Compartment 084 Year of Entry 2015

010	Not Available	2G: Too wet (sensitive soils, does not include access issues)	101				
С	comments:						
011	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	126	2G: Too wet (sensitive soils, does not include access issues)	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3D: Recreational / Scenic values	3G: Other Influence zones - See comments
C	Comments:						

Cadillac Mgt. Unit Compartment: 084

Year of Entry: 2015



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				

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Report 7 - DEDICATED CONSERVATION AREA DETAILS



* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Conservati Area	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 resites of cultural and historical significance that may occur upon to bottomlands. They include thousands of Native American settlem and British outposts, nineteenth century logging camps, mines at the Great Lakes, there are shipwrecks and other remains docum be identified by Natural heritage data from the State Historic Presthis compartment will be implemented in such a manner as to matthe sensitive nature of this information, no further detail about local	errestrial areas and Great Lakes nents and burial sites, as well as French and homesteads. Beneath the waters of enting the maritime trade. Such sites may servation Office. Proposed treatments in aintain the integrity of these sites. Due to
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen condistocked trout populations and those of other coldwater fish speci 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.	es (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wilproposed for legal dedication, but for which legal dedication by le nomination process is defined by Part 351, Wilderness and Natu Environmental Protection Act, 1994 PA 451. The program is admrequire the submittal of a Natural Areas Nomination Packet to the proposed sites in various stages of review. Final dedication of no Areas is accomplished through legislative action.	egislature has not occurred. The ral Areas, of the Natural Resources and ninistered by the DNR. Nominations DNR. This is an active program, with
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high d communities are ecologically and socially significant in their effect as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and and Environmental Protection Act, 1994 PA 451. The program is require the submittal of a Natural Areas Nomination Packet to the proposed sites in various stages of review. Final dedication of no Areas is accomplished through legislative action.	administered by the DNR. Nominations e DNR. This is an active program, with

s t	Cadillac Mgt. Unit Report 8 – Forested Stands		Stands Compartment: 084 Year of Entry: 2015			
a n d	Level 4 Cover Type	Size Density Acre		Stand Age	BA Range	General Comments:
2	4130 - Aspen	High Density Pole	41.8	56		Hummoky. A mix of aspen, red maple, balsam fir and white pines.
3	42200 - Natural White Pine	High Density Pole	19.4	55		Planted white pine with scattered aspen and maple. White pine in good shape.
4	4136 - Aspen, Mixed Conifer	High Density Pole	63.1	52		Aspen mixed with scattered pines and red maple. Pipelines in stand.
6	4311 - Pine, Aspen Mix	High Density Pole	14.5	52		Planted white pine and aspen. Aspen is overtopping the planted pine in areas.
8	4139 - Aspen, Mixed Deciduous	High Density Pole	45.9	53		Stand is mostly aspen and red maple with a light balsam fir understory. Wet areas within the stand as you move east. Transitions into lowland hardwood to the NE.
9	4130 - Aspen	High Density Sapling	52.3	11		Stand cut in 2002 with sale #63-033-02-02. Aspen is doing good.
10	42101 - Planted White Pine, Mixed Deciduous	High Density Pole	26.5	63		Small stand of red pine in north of stand along pipeline.
11	6115 - Lowland Ash	High Density Pole	5.4	51		Lowland ash the is flooded and dying/dead. Scattered aspen and red maples.
13	42110 - Planted Red Pine	High Density Log	5.4	71	81-110	Stand was thinned in 1998.
14	4113 - R.Maple, Conifer	Medium Density	4.8	2		stand was habitat cut. hummoky with maple sprouts and white pine seedlings.
15	4113 - R.Maple, Conifer	High Density Pole	9.3	53		
17	42330 - Upland Fir	High Density Pole	7.3	58		Wet balsam fir with maple and aspen.
18	4130 - Aspen	High Density Sapling	5.8	15		Stand was final harvested in 1998 with sale 63-022-95-01. Long delay due to need for temp bridge.
19	4133 - Aspen, Mixed Pine	High Density Log	23.4	62		stand is a mix of white pine aspen red pine and balsam fir.
22	6112 - Lowland Aspen	High Density Pole	16.2	34		aspen and maple with balsam understory. gets wetter toward west and south.
23	4134 - Aspen, Spruce/Fir	High Density Pole	10.5	48		
24	4134 - Aspen, Spruce/Fir	High Density Sapling	14.2	15		Stand was final harvested in 1998 with sale 63-022-95-01. Long delay due to need for temp bridge.

s t	Cadillac Mgt. Unit			Report 8	– Forested	Stands Compartment: 084 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4130 - Aspen	High Density Sapling	7.0	11		Stand cut in 2002 with sale 63-033-02-02.
27	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	5.9	42		
28	42200 - Natural White Pine	High Density Log	7.1	55	51-80	variable white pine stand close to log size overall. pipeline through stand.
29	42200 - Natural White Pine	High Density Pole	4.3	62		stand is a mix of white pine red pine spruce balsam fir and a few aspen.
31	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	16.9	48		
34	4130 - Aspen	High Density Sapling	2.3	8		Portion of stand cut with adjacent sale in compartment 85
37	4130 - Aspen	High Density Sapling	5.6	15		young aspen along with scattered oaks. Was cut as The Forks Jack Pine (63-016-96-02) in 1998
38	4130 - Aspen	High Density Pole	4.1	24		aspen along edge of lowland complex.
40	6120 - Lowland Cedar	High Density Pole	62.6	118		
41	4130 - Aspen	High Density Log	29.4	51		aspen and maple with balsam and understory oaks
42	42101 - Planted White Pine, Mixed Deciduous	High Density Pole	11.1	55	171-200	could be planted pine.
43	4130 - Aspen	High Density Log	29.2	65		Isolated aspen with no reasonable access with equipment. Creeks and wet tag alder surrounding.
44	4130 - Aspen	High Density Pole	7.0	56		poor access through wet areas to access stand. wildlife is habitat cutting portion of stand.
45	4130 - Aspen	High Density Sapling	3.0	3		New stand added. created by wildlife habitat cut.
46	4136 - Aspen, Mixed Conifer	High Density Pole	6.1	36		
48	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.5	120		
50	4134 - Aspen, Spruce/Fir	High Density Pole	14.2	50		Drainage through middle of stand

s t	Cadillad	Cadillac Mgt. Unit			Forested	Stands Compartment: 084 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	6124 - Lowland Spruce- Fir	High Density Pole	20.0	60		Wet areas within stand that drain to the south. Mix of Blasam and scattered aspen.
52	4130 - Aspen	High Density Pole	13.4	43		Pole to log sized aspen with white pine and balsam fir.
54	4130 - Aspen	Medium Density	46.9	18		Heavy beaver activity in this area. Stand was harvested in winter of 1996. Regen of aspen is in pockets with scattered balsam fir and open areas.
55	4130 - Aspen	High Density Pole	59.9	34		Stand is growing well. Contains a few drainages to Willow Run Creek. A mix of aspen, balsam fir, and black spruce.
60	42340 - Upland Spruce/Fir	High Density Pole	1.9	36		
61	42340 - Upland Spruce/Fir	High Density Pole	12.1	48		
62	6122 - Black Spruce	High Density Pole	6.8	65		
66	6123 - Lowland Fir	High Density Pole	3.9	54		
67	4130 - Aspen	High Density Pole	14.9	52		Portion of stand not cut during the winters of 1995-1998 by wildlife.
68	4134 - Aspen, Spruce/Fir	High Density Sapling	84.7	15		Stand cut winter of 1997-98. Has a few wet areas scattered throughout. Beaver flooding to the north finged by black spruce and beaver activity along edge of flooding.
69	6124 - Lowland Spruce- Fir	High Density Pole	4.1	54		
70	6121 - Tamarack	Low Density Pole	4.4	50		
72	4130 - Aspen	High Density Sapling	4.0	18		Stand was cut with compartmetn 85 to the south during the winter of 1995.
73	6129 - Mixed Coniferous Lowland Forest	High Density Pole	60.6	120		
76	6124 - Lowland Spruce- Fir	High Density Pole	83.7	68		
77	4130 - Aspen	High Density Sapling	11.6	15		Stand has a ground blind with shooting lanes cut into it. Stand was cut in winter of 1998
78	6124 - Lowland Spruce- Fir	High Density Pole	5.0	58		Likley to have scattered cedar and maple.

s t	Cadillac Mgt. Unit			Report 8	- Forested \$	Stands	Year of Entry: 2015		
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range		General Comments:	MICHIGAN	
79	6123 - Lowland Fir	Low Density Pole	9.7	60					
80	6124 - Lowland Spruce- Fir	High Density Pole	58.4	58					
81	42360 - Upland Cedar	High Density Pole	12.4	120		pocket of cedar	within large weltand comp	olex.	
82	6124 - Lowland Spruce- Fir	High Density Pole	79.1	65			mix of spruce, fir, and cec ground to support large wir		
83	6124 - Lowland Spruce- Fir	Low Density Pole	31.8	52			rarious lowland conifers wi	th scattered	
85	6124 - Lowland Spruce- Fir	High Density Pole	55.1	58		More cedar to the NE	E of stand. Large wetland	complex.	
86	42200 - Natural White Pine	High Density Pole	32.0	52					
87	429 - Mixed Upland Conifers	High Density Log	29.5	114		compartment. Large w	nall ridge along eastern ed nite pine and upland cedar nunting camp located in mi	with other	
88	4130 - Aspen	High Density Pole	11.1	26					

42210 - Natural Red

Pine

6124 - Lowland Spruce-Fir

89

91

High Density Pole

High Density Pole 10.5

4.5

48

52

Appears to be a natural stand and a mix of red and white pines.

Report 9 - Nonforested Stands

Compartment: 084 Year of Entry: 2015



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	6223 - Inundated Shrub Swamp	7.5	No	Unspecified	Leatherleaf with a few scattered spruce
5	622 - Lowland Shrub	2.8	Unspecified	Unspecified	
7	622 - Lowland Shrub	3.0	Unspecified	Unspecified	
12	6220 - Alder/willow	4.3	Unspecified	Unspecified	
16	50 - Water	6.6	Unspecified	Unspecified	
20	622 - Lowland Shrub	17.7	No	Unspecified	
21	50 - Water	16.3	Unspecified	Unspecified	
25	6220 - Alder/willow	2.4	Unspecified	Unspecified	
30	6220 - Alder/willow	3.8	Unspecified	Unspecified	
32	6220 - Alder/willow	36.0	Unspecified	Unspecified	
33	6220 - Alder/willow	106.1	Unspecified	Unspecified	
35	6224 - Treed Bog	6.1	Unspecified	Unspecified	
36	50 - Water	12.9	Unspecified	Unspecified	
39	6223 - Inundated Shrub Swamp	2.2	No	Unspecified	leatherleaf with a few scattered trees.
47	6229 - Mixed lowland shrub	73.9	Unspecified	Unspecified	
49	6220 - Alder/willow	23.3	No	Unspecified	Also areas of cattails and heavy beaver activity
53	6229 - Mixed lowland shrub	3.6	Unspecified	Unspecified	
56	622 - Lowland Shrub	9.1	Unspecified	Unspecified	
			_		

Cadillac Mgt. Unit

Report 9 - Nonforested Stands

Compartment: 084 Year of Entry: 2015



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
57	50 - Water	1.2	Unspecified	Unspecified	
58	6220 - Alder/willow	4.8	Unspecified	Unspecified	
59	6229 - Mixed lowland shrub	10.0	Unspecified	Unspecified	
63	6229 - Mixed lowland shrub	5.0	Unspecified	Unspecified	
64	50 - Water	43.1	Unspecified	Unspecified	
65	6220 - Alder/willow	8.3	Unspecified	Unspecified	
71	3205 - Mixed Upland Shrub	3.4	No	Unspecified	Heavy beaver activity along flooding. Scattered balsam fir saplings, oak, and aspen.
74	6229 - Mixed lowland shrub	5.8	No	Unspecified	Heavy tag alder with stream running east through middle of stand.
75	622 - Lowland Shrub	105.9	No	Unspecified	TAG ALDER!!!!!!!!
84	6220 - Alder/willow	39.3	Unspecified	Unspecified	
90	310 - Herbaceous Openland	2.1	Unspecified	Unspecified	