Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41192
Entry Year 2018
Acreage: 1,105
County Alger
Management Area: Cusino Complex

Revision Date: 2016-08-31

Stand Examiner: Mario Molin

Legal Description:

T47N R17W Sections 34 & 35

Identified Planning Goals:

Management activities that coordinate multiple uses and benefits for the people of Michigan including recreation, timber production and protection/enhancement of wildlife habitat are desirable.

Soil and topography:

Generally flat, wet ground. Soils include: Type 57 - Carbondale, Lupton and Tawas muck soils; Type 243 – Markey Mucky Peat; and Type 252A – Finch-Kinross complex with 0-3% slopes.

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

The Wisconsin Central Railroad owns a strip of land near the very northern border of this compartment which has railroad tracks running east-west through it. The rest of the land in this compartment is owned by the State of Michigan, but access without crossing the railroad tracks is presently unavailable. There is no other development within this compartment, and the area is subject to moderate hunting pressure during the deer season.

Unique Natural Features:

Star Creek forms the eastern boundary of this compartment and Prairie Creek flows through it.

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

This compartment contains reaches of Star Creek and Hickey Creek. Both are designated as cold-water. Encroachment by beaver is a concern and standard BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations.

Wildlife Habitat Considerations:

This compartment lies immediately east of the community of Shingleton on the south side of M-28. Pre-settlement surveys showed the land cover to consist of open marsh and mixed forests. The topography is fairly flat and slight changes in elevation produced different mixes of tree species. The lowest forested areas contained cedar, tamarack, spruce, and tag alder. Those areas that were slightly above the water table were dominated by hemlock, yellow birch, white pine and red maple. Surveyors made specific mention that the white pine were 3 to 5 feet in diameter. The current land cover remains dominated by open marsh. Cedar and spruce continue to dominate the lowest forested areas. However, jack pine and red maple now play a larger role in the ecology while white pine and hemlock have been reduced in comparison to the circa 1850 forests. Historically, this compartment was considered a portion of the Petrel Deer Yard. However, due to public safety issues associated with M-28 efforts have been made to discourage deer activity in this compartment. Those efforts have been successful and currently deer do not yard on the south side of the highway. Dwarf bilberry and the northern blue butterfly, both State listed species can be found within this compartment. Wildlife habitat management goals include protecting the sensitive species and ecosystems with the compartment, promoting white pine and hemlock, and maintaining the closed canopy lowland conifer stands. Any cuttings will be conducted in a manner to ensure that deer are not lured across the highway. Variable retention principles will be employed. This compartment lies within the Cusino Complex Management Area and the featured species within this MA are American marten, moose, American black bear, gray jay, northern goshawk, ruffed grouse, and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subcrops below the glacial drift. The Black River is quarried for stone elsewhere in the UP. There is a gravel pit in Section 25, but potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access:

None

Survey Needs:

None

Recreational Facilities and Opportunities:

None

Fire Protection:

Difficult access and soft, wet ground would hamper all firefighting efforts.

Additional Compartment Information:

Access was a crossing on the railroad, crossing has been removed.

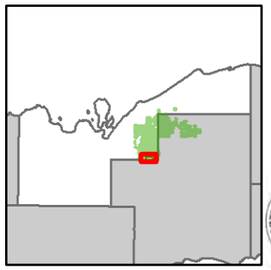
The following reports from the Inventory are attached:

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

Cover Type & Treatments Map



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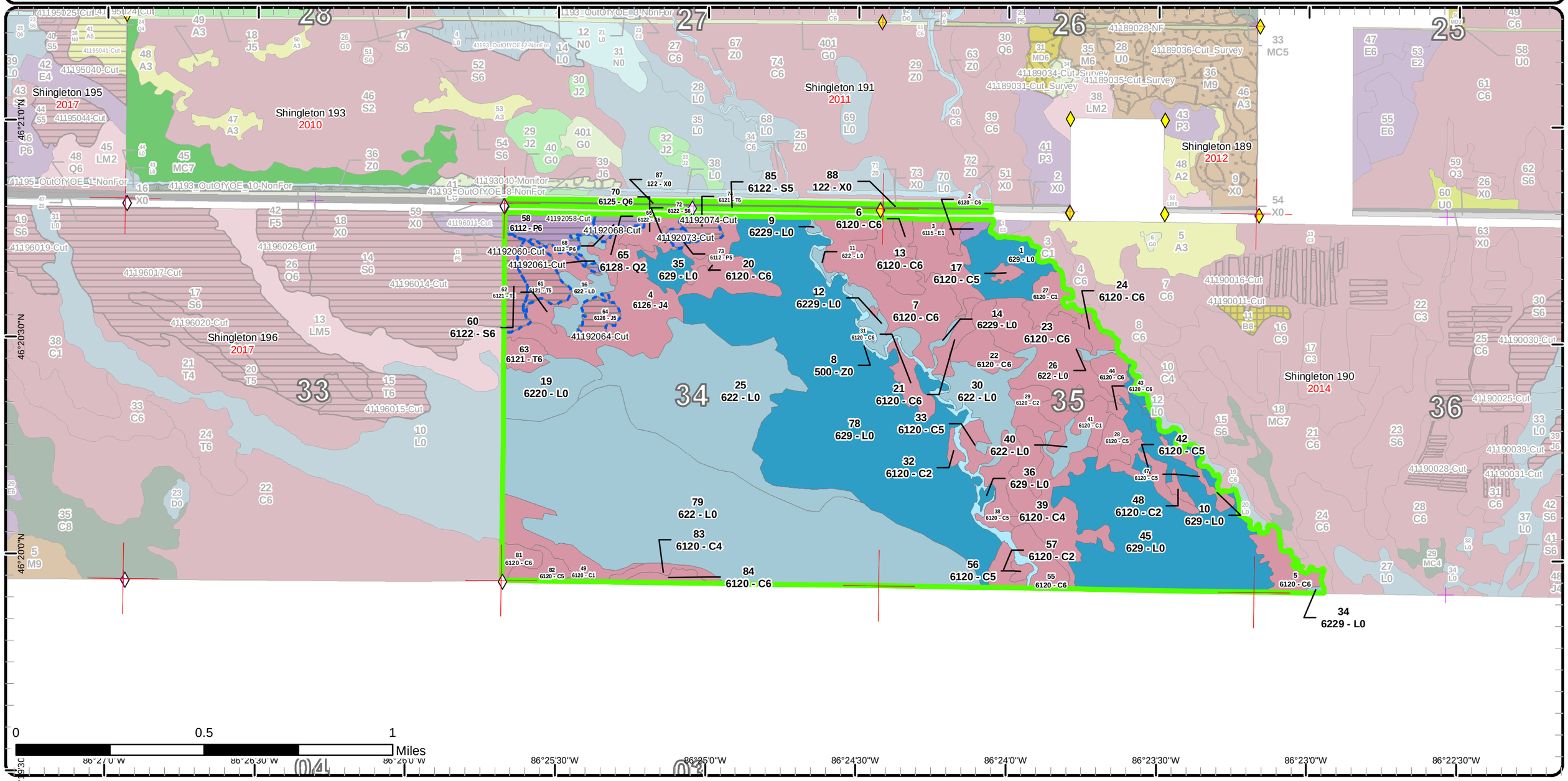
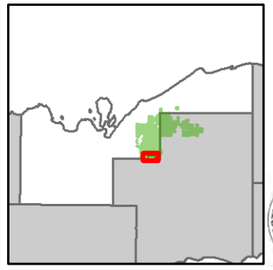
Compartment: 192
T46N, R17W, Sec: 34-36
County: Alger
Unit: Shingleton
Mgmt Area: Cusino Complex
YOE: 2018
Acres: 1,105 GIS Calculated
Examiner: Mario Molin
Map Revised: 12/6/2016
Map Phase: Post Review

- Miris Corners
- Remonumented Section Corners
- Survey Grade GPS Corners
- Field Grade GPS Corners
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



Stand Boundary Map



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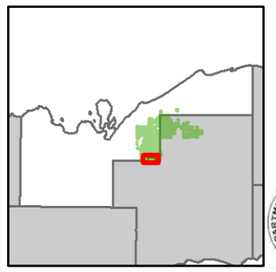
Miris Corners
Remonumented Section Corners
Survey Grade GPS Corners
Field Grade GPS Corners
Compartment Boundary
Stand Boundaries
611 - Lowland Deciduous Forest
612 - Lowland Coniferous Forest
122 - Roads/Parking Lot
500 - Water
622 - Lowland Shrub
629 - Mixed non-forested wetland

0 0.5 1 Miles

Special Conservation Areas & Site Conditions Map



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Map Phase: Post Review

- Miris Corners
- Remonumented Section Corners
- Survey Grade GPS Corners
- Field Grade GPS Corners
- Compartment Boundary
- Unavailable
- Stand Boundaries
- Deer Winter Range

0 0.5 1 Miles

Report 1 – Total Acres by Cover Type and Age Class

Shingleton Mgt. Unit **Compartment 192 Year of Entry 2018**

Mario Molin : Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Cedar	0	0	0	14	0	12	24	0	0	9	0	0	199	0	0	0	17	2	**275**
Jack Pine	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	49	**54**
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	**18**
Lowland Conifers	0	0	0	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	**10**
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	**2**
Lowland Shrub	682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**682**
Lowland Spruce/Fir	0	0	0	0	0	0	1	0	17	0	0	0	0	0	0	0	0	0	**18**
Tamarack	0	0	0	0	0	4	0	0	18	0	0	0	0	0	0	0	0	0	**22**
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**
Water	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**12**
Total	**704**	**0**	**0**	**14**	**0**	**20**	**31**	**0**	**58**	**9**	**0**	**0**	**199**	**0**	**0**	**0**	**17**	**53**	**1103**

Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 192

Total Compartment Acres: 1,105

Commercial Harvest -

Harvests with Site Condition - 45

Next Step Harvest - 0

Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	5	0	0	0	0	0	0	0	0	**5**
Lowland Aspen/Balsam Poplar	18	0	0	0	0	0	0	0	0	**18**
Lowland Spruce/Fir	8	0	0	0	0	0	0	0	0	**8**
Tamarack	13	0	0	0	0	0	0	0	0	**13**
Total	**45**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**45**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	45	0	0	0	0	0	0	0	0	**45**
Next Step	0	0	0	0	0	0	45	0	0	**45**
Total	**45**	**0**	**0**	**0**	**0**	**0**	**45**	**0**	**0**	**90**

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
58	41192058-Cut	12.4	6112 - Lowland Aspen	Poletimber Well	71	81-110	Harvest	Clearcut with Retention	6130 - Fir, Aspen, Maple	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Blocked by Railroad**

Prescription Specs: Clearcut with island retention.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of lowland deciduous and coniferous

Other Comment:

Proposed Start Date: 10/01/2017

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
60	41192060-Cut	8.0	6122 - Black Spruce	Poletimber Well	71	111-140	Harvest	Clearcut with Retention	6124 - Lowland Spruce-Fir	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Blocked by Railroad**

Prescription Specs: Clearcut with island retention. Stand is carry over from adjacent compartment and should be cut at same time. Retention can be in larger parent stand.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Spruce and fir

Other Comment:

Proposed Start Date: 10/01/2017

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
61	41192061-Cut	9.4	6121 - Tamarack	Poletimber Medium	71	1-50	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Blocked by Railroad**

Prescription Specs: Clearcut with island retention.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Tamarack with a mix of other lowland conifers

Other Comment:

Proposed Start Date: 10/01/2017

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
64	41192064-Cut	5.4	6126 - Lowland Jack Pine	Poletimber Medium	71	1-50	Harvest	Clearcut with Retention	6126 - Lowland Jack Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Blocked by Railroad**

Prescription Specs: Clearcut with island retention

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Jack pine with a mix of conifers

Other Comment:

Proposed Start Date: 10/01/2017

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
68	41192068-Cut	4.1	6112 - Lowland Aspen	Poletimber Well	71	1-50	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Blocked by Railroad**

Prescription Specs: Clearcut without retention, small acreage and low density.

Next Step Treatments: Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Aspen

Other Comment:

Proposed Start Date: 10/01/2017

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
73	41192073-Cut	1.8	6112 - Lowland Aspen	Poletimber Medium	71	1-50	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Blocked by Railroad**

Prescription Specs: Clearcut without retention, stand is small with low density.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Aspen with other species

Other Comment:

Proposed Start Date: 10/01/2017

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
74	41192074-Cut	3.7	6121 - Tamarack	Poletimber Well	71	51-80	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Blocked by Railroad**

Prescription Specs: Clearcut with island retention.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Tamarack with a mix of other species

Other Comment:

Proposed Start Date: 10/01/2017

Total Treatment Acreage Proposed: 44.8

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 192

Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions 2J
276	0	*0*	276	**Cedar**	276
55	0	*0*	55	**Jack Pine**	55
18	0	*0*	18	**Lowland Aspen/Balsam Poplar**	18
10	0	*0*	10	**Lowland Conifers**	10
2	0	*0*	2	**Lowland Deciduous**	2
682	0	*0*	682	**Lowland Shrub**	682
19	5	*0*	13	**Lowland Spruce/Fir**	13
22	0	*0*	22	**Tamarack**	22
10	10	*0*	0	**Urban**	
12	0	*0*	12	**Water**	12
1,105	15		1,089	Total Forested Acres	1,089
	1%		99%	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
3	**Unavailable**	**2J: Blocked by Railroad**	1,088	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

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
	Potential Old Growth		**SCA Removal**	621

Comments

Doesn't meet current SCA criteria.

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.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	6120 - Lowland Cedar	Poletimber Well	2.6	112	81-110	
3	6115 - Lowland Ash	Sapling Poor	1.9	30	1-50	
4	6126 - Lowland Jack Pine	Poletimber Poor	49.2	35	1-50	
5	6120 - Lowland Cedar	Poletimber Well	9.2	83	111-140	
6	6120 - Lowland Cedar	Poletimber Well	2.9	112	81-110	
7	6120 - Lowland Cedar	Poletimber Well	32.9	112	111-140	
13	6120 - Lowland Cedar	Poletimber Well	23.8	112	81-110	
17	6120 - Lowland Cedar	Poletimber Medium	1.8	112	51-80	Slow-growing cedar stand that was partially cut around 1960. Some of the merchantable trees are probably residuals that were then too small to cut, and the stand's density is variable as a result. The understory is a mix of scattered cedar & spruce up to 15' tall/3" DBH and lowland brush. Other
20	6120 - Lowland Cedar	Poletimber Well	1.3	40	1-50	
21	6120 - Lowland Cedar	Poletimber Well	5.0	112	111-140	
22	6120 - Lowland Cedar	Poletimber Well	11.0	112	81-110	
23	6120 - Lowland Cedar	Poletimber Well	34.5	112	51-80	
24	6120 - Lowland Cedar	Poletimber Well	4.5	112	111-140	
27	6120 - Lowland Cedar	Sapling Poor	10.5	40	1-50	Lots of drainage's in the stand, stand is poorly stocked cedar saplings, more are seeding in and will likely become better in the distant future.
28	6120 - Lowland Cedar	Poletimber Medium	5.9	112	51-80	
29	6120 - Lowland Cedar	Sapling Medium	9.6	56	1-50	OPIC: A few scattered trees are reaching merchantable size. The larger of these are probably residuals that were too small to cut in 1960.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	6120 - Lowland Cedar	Poletimber Well	6.5	116	81-110	OPIC: Tamarack was present but most of it has died out of this stand.
32	6120 - Lowland Cedar	Sapling Medium	1.6	56	1-50	OPIC - FMD: A few trees are reaching merchantable size. Soils = Type 57 - Carbondale, Lupton and Tawas soils
33	6120 - Lowland Cedar	Poletimber Medium	4.8	112	51-80	
38	6120 - Lowland Cedar	Poletimber Medium	9.8	112	51-80	
39	6120 - Lowland Cedar	Poletimber Poor	27.0	112	1-50	
41	6120 - Lowland Cedar	Sapling Poor	6.5	56	1-50	OPIC - FMD: A few scattered trees are reaching merchantable size. The larger of these are probably residuals that were too small to cut in 1960. Soils = Type 57 - Carbondale, Lupton and Tawas soils
42	6120 - Lowland Cedar	Poletimber Medium	7.1	112	51-80	
43	6120 - Lowland Cedar	Poletimber Well	1.1	112	111-140	
44	6120 - Lowland Cedar	Poletimber Well	5.7	112	141-170	
47	6120 - Lowland Cedar	Poletimber Medium	3.7	112	1-50	
48	6120 - Lowland Cedar	Sapling Medium	1.5	56	1-50	
49	6120 - Lowland Cedar	Sapling Poor	14.0	25	1-50	Cedar regeneration, Small saplings of cedar regeneration.
55	6120 - Lowland Cedar	Poletimber Well	8.5	112	81-110	
56	6120 - Lowland Cedar	Poletimber Medium	1.4	112	51-80	
57	6120 - Lowland Cedar	Sapling Medium	4.5	56	Unspecified	OPIC - FMD: Submerchantable cedar along Prairie Creek - slow-growing on a very wet site. Soils = Type 57 - Carbondale, Lupton and Tawas soils

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
58	6112 - Lowland Aspen	Poletimber Well	12.4	71	81-110	OPIC - FMD: Stand of mixed conifers where balsam fir is becoming dominant. Aspen and red maple are also significant components, but the aspen is showing signs of decline and many have already died. Cutting now would likely regenerate the stand to aspen.The mixed conifer pulpwood includes spruce and tamarack. There are also scattered large red & white pine, a few paper birch, and some stunted black cherry present. The understory varies from dense conifer regen to lowland brush.The pine and birch should be left standing for aesthetics. Acceptable regeneration includes all conifers and aspen.Soils = Type 252A - Finch-Kinross Complex 0-3% slopesFactor limit: Access for harvesting timber is not feasible/practical without crossing the strip of land owned by Wisconsin Central Railroad. At this time, there are no provisions for legally doing so.
60	6122 - Black Spruce	Poletimber Well	8.0	71	111-140	
61	6121 - Tamarack	Poletimber Medium	9.4	71	1-50	
62	6121 - Tamarack	Sapling Poor	3.7	45	1-50	
63	6121 - Tamarack	Poletimber Well	5.4	71	81-110	
64	6126 - Lowland Jack Pine	Poletimber Medium	5.4	71	1-50	
65	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	4.0	40	1-50	
66	6122 - Black Spruce	Poletimber Well	4.2	71	81-110	
68	6112 - Lowland Aspen	Poletimber Well	4.1	71	1-50	Two-aged stand featuring 1-3 stick aspen 6-8" DBH along with pockets of smaller (1-4" DBH) aspen and lowland brush. Mixed softwood includes balsam fir and tamarack.Cut now - acceptable regeneration includes aspen and all conifers. TSI with inmates/hand tools to eliminate non-merchantable residuals will result in denser aspen regeneration.Soils = Type 252A - Finch-Kinross Complex 0-3% slopesFactor limit: Access for harvesting timber is not feasible/practical without crossing the strip of land owned by Wisconsin Central Railroad. At this time, there are no provisions for legally doing so.
70	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	5.6	56	51-80	The jack pine is generally of lower quality due to poor form, and other species may do better on this site. Some patches may have been cut more recently resulting in age/size class diversity.
72	6122 - Black Spruce	Poletimber Well	1.0	56	81-110	OPIC - FMD: Spruce that has just reached merchantable size - still growing well. The understory is a mix of black spruce & balsam fir that haven't reached merchantable DBH.Soils = Type 252A - Finch-Kinross Complex 0-3% slopes
73	6112 - Lowland Aspen	Poletimber Medium	1.8	71	1-50	Poor quality aspen over lowland brush on a wet site.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	6121 - Tamarack	Poletimber Well	3.7	71	51-80	Stand is in decline with many of the larger sized trees already dead.
81	6120 - Lowland Cedar	Poletimber Well	4.1	166	81-110	
82	6120 - Lowland Cedar	Poletimber Medium	5.4	166	1-50	
83	6120 - Lowland Cedar	Poletimber Poor	3.9	166	1-50	
84	6120 - Lowland Cedar	Poletimber Well	3.6	166	1-50	
85	6122 - Black Spruce	Poletimber Medium	5.4	71	1-50	OPIC - FMD: Thin strip of land between the section line and the privately-owned Wisconsin Central railroad lands. Soils = Type 57 - Carbondale, Lupton and Tawas soils

Stand	Cover Type	Acres	Managed Site	General Comments:
1	629 - Mixed non-forested wetland	17.6	No	OPIC - FMD: Tag alder etc. plus a few scattered treesSoils = Type 57 - Carbondale, Lupton and Tawas soils
8	500 - Water	11.7	No	
9	6229 - Mixed lowland shrub	0.5	No	Lowland brush/marshland along Prairie Creek
10	629 - Mixed non-forested wetland	4.5	No	Scattered cedar, ash, tamarack and paper birch with tag alder and willow brush.
11	622 - Lowland Shrub	1.3	No	Lowland brush/marshland along Prairie Creek
12	6229 - Mixed lowland shrub	7.5	No	Lowland brush/marshland along Prairie Creek
14	6229 - Mixed lowland shrub	1.3	No	Lowland brush in a drainage corridor leading to Prairie Creek
16	622 - Lowland Shrub	10.1	No	
19	6220 - Alder/willow	20.0	No	
25	622 - Lowland Shrub	89.5	No	
26	622 - Lowland Shrub	1.0	No	Lowland brush with scattered conifers and black ash
30	622 - Lowland Shrub	19.6	No	OPIC: Very wet lowland brush/marsh area. Numerous pockets of conifers, black ash and balsam poplar are also present, but the site indices appear to be too low for commercial timber production.
34	6229 - Mixed lowland shrub	0.5	No	
35	629 - Mixed non-forested wetland	6.8	No	
36	629 - Mixed non-forested wetland	1.1	No	
40	622 - Lowland Shrub	4.8	No	
45	629 - Mixed non-forested wetland	92.7	No	Scattered cedar, ash, tamarack and paper birch with tag alder and willow brush.
78	629 - Mixed non-forested wetland	194.1	No	

Stand	Cover Type	Acres	Managed Site	General Comments:
79	622 - Lowland Shrub	208.9	No	
87	122 - Road/Parking Lot	6.0	No	OPIC - FMD: Highway M-28 R.O.W. At the 2007 Compartment Review, it was decided to remove all Scotch Pine along M-28. [6/20/06 km] FTP# W41-1296 - Scotch Pine Removal (8/20/10) FTP# W41-1296 cancelled. Suggest new FTP under new system for scotch pine removal.
88	122 - Road/Parking Lot	4.1	No	OPIC - FMD: HIGHWAY M-28 RIGHT-OF-WAY. [6/20/06 km] FTP# W41-1296 - Scotch pine removal.