## CADILLAC FOREST MANAGEMENT UNIT

## COMPARTMENT REVIEW PRESENTATION

COMPARTMENT \# 150 ENTRY YEAR: 2012

## Compartment Acreage (GIS Acres): 1,641 County: Wexford

## Revision Date: 10/11/2010 8:51 AM

Stand Examiner: Andy Church
Legal Description: T24N, R10W Sections 1-3, 10-12.
RMU (if applicable): 237
Management Goals: Maintain a variety of cover types and age class diversity which favor a variety of game and non game species. Maintain visual impact integrity near main county roads and Manistee River. Preserve water quality by using BMPs. The Manistee is being nominated for Natural River Status and management plans should follow the guidelines set for the River.

Soil and Topography: Rubicon-Montcalm-Graycalm, Nester-Kawkawlin-Manistee and Tawas-CroswellLupton. Soils are poorly drained with perched water table in spots. Topography generally flat with steeper areas along Manistee River and tributaries.

Ownership Patterns, Development, and Land Use in and Around the Compartment: A private subdivision is located in S1/2SWNE of Section 10. A large pipeline corridor and a separate electric corridor traverse sections 11 and 12. A small private parcel on the south bank of the Manistee River is located in the NW corner of Section 10. This parcel has legal easement. Consumers' Energy owns timber rights on all of the significant red pine plantations.
Acquisition: N1/2SW Section 10. That portion of the W1/2NE South of the Manistee River Section 10. The SESESE of Section 12. The small parcel in the NWNW SEC. 10 lying South of the Manistee River.
Disposals: None.
Unique, Natural Features (include only non-site specific and non-sensitive information): Historical wood turtle* record from vicinity of compartment (sections 3, 4, 9, and 10). Historical great blue heron rookery to SW. Red-shouldered hawk occurrence to E. Northern goshawk documented to NW. Bald eagle record to SE. Ginseng documented to E. Hill's thistle records to NE. Bog record to NE. Pine barrens documented to E and NE. Potential for eastern massasauga, wood turtle, and Blanding's turtle. Potential for red-shouldered hawk and northern goshawk. Potential for eagle, osprey, and great blue heron rookery.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): Nothing on record.

Special Management Designations or Considerations: Maintain visual impact integrity near Manistee River. Preserve water quality BMPs.

## Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: Featured wildlife species are deer, ruffed grouse, and woodcock. The Manistee River runs along the north edge of the compartment. The river valley is utilized as a travel corridor for numerous wildlife species and is an important white-tailed deer wintering area. Wildlife habitat objectives are to continue to maintain species and age-class diversity across the compartment. (L. Smith. 9/24/10)

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift are the Mississippian Coldwater Shale and the Marshall Sandstone. The Marshall was previously used as a building stone. A gravel pit is located three miles to the north, but potential is considered to be limited. This area lies six miles south of the prolific Silurian Niagaran reef trend. There does not appear to be any potential for Niagaran reefs in this area. This area is not currently leased for oil and gas and potential is limited. The compartment is mostly surface only.

Vehicle Access: A forest road access plan is detailed on the compartment map.
Survey Needs: Survey Request in place for Section 10.
Recreational Facilities and Opportunities: None
Fire Protection: Areas of pine fuel types could support intense fires. Access due to terrain could affect fire growth in this compartment. Access would be fairly good for suppression equipment, except in areas the border the Manistee River. 10-4-10/BRA

Additional Compartment Information: None
$>$ The following 5 reports from the Operations Inventory System (OIPC) are attached:

- Cover Type by Age Class
- Cover Type by Management Objective
- Compartment Volume Summary
- Proposed Treatments - No Limiting Factors
- Proposed Treatments - With Limiting Factors
$>$ The following information is displayed, where pertinent, on the attached compartment maps:
- Base feature information, stand numbers, cover types
- Proposed treatments
- Proposed road access system
- Suggested potential old growth




Age Class

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aspen | 0 | 82 | 0 | 0 | 219 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 311 |
| Bog | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 52 | 53 |
| Herbaceous Openland | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| Low-Density Trees | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Lowland Aspen/Balsam Poplar | 0 | 51 | 57 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 17 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 142 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 37 | 197 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 100 |
| Lowland Shrub | 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| Natural Mixed Pines | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 428 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 428 |
| Upland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| Upland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| Upland Shrub | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Water | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| White Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 20 |
| Total | 192 | 133 | 57 | 0 | 242 | 0 | 718 | 0 | 7 | 0 | 1 | 19 | 0 | 0 | 273 | 1641 |

# Table 2 - Proposed Treatment Summaries 

Data updated yesterday after 6:00 PM


| S | Data updated yesterday after 6:00 PM |  |  |  | -- Treatments Prescribed ith No Limiting Factor |  |  | Compartment: 150 Year of Entry 2012 <br> Cover Type Objective |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \mathrm{n} \\ & \mathrm{~d} \end{aligned}$ | Treatment Name | Acres | Stage1 CoverType | Size Density | Stand Age | Treatment Type | Treatment Method |  | Approval Status |
| 25 | 63150025-Cut | 68.7 | 4134 - Aspen, Spruce/Fir | High Density P | 38 | Harvest | Clearcut with Reserves | Aspen | Cmpt. Review Proposal |

Prescription Final harvest portion to break up age of stand. Leave all Cedar, Hemlock and Oak. Winter cut only. Buffer Silver Creek and tributaries at Specs: appropriate distances. Retention: Buffers, Cedar, Hemlock, and Oak. Acceptable alternative regen: Maple/Fir.

Other Mostly upland, but some lowland pockets. Thick fir understory in wet areas. Drainages mixed throughout. Scattered Cedar and Hemlock in wet Comments: areas.

## Next

Steps:

| 34 | 63150034-Cut | 25.2 | 6112 - Lowland Aspen | High Density Pole | 52 | Harvest | Clearcut with Reserves | Lowland Aspen | Cmpt. Review Proposal |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Prescription Final harvest. Leave all Cedar, Hemlock, and Oak. Buffer Buttermilk Creek and Manistee River at appropriate distances. Retention: Buffers, Specs: Cedar, Hemlock, and Oak. Acceptable alternative regen: Swamp Hardwoods |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| $\underline{\text { Other }}$ Comments: Wet. Poor quality Aspen stand. Small drainage through middle armored by Cedars. |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Next |  |  |  |  |  |  |  |  |  |
| Steps: |  |  |  |  |  |  |  |  |  |
| 43 | 63150043-Cut | 5.1 | 6118 - Lowland Deciduous with Cedar | High Density Pole | 87 | Harvest | Clearcut | Aspen | Cmpt. Review Proposal |
| Prescription Final Harvest portion. Habitat cut. Retention: uncut portion. Acceptable alternative regen: Maple/Fir$\underline{\text { Specs: }}$ |  |  |  |  |  |  |  |  |  |
| Other Comments: $H$ abitat cut. |  |  |  |  |  |  |  |  |  |
| Next |  |  |  |  |  |  |  |  |  |
| Steps: |  |  |  |  |  |  |  |  |  |
| 49 | 63150049-Cut | 19.7 | 42100 - Planted White Pine | Medium Density Pole | 62 | Harvest | Clearcut with Reserves | Aspen | Cmpt. Review Proposal |

Prescription Final Harvest. Leave all Cedar and Hemlock. Buffer Buttermilk Creek at appropriate distance. Retention: Strip of uncut timber shown on map, Specs: Buffer along creek, Cedar, and Hemlock. Acceptable alternative regen: Maple/Fir.

Other Center of stand thinned last rotation. South and North portion still in unthinned planted rows of White Pine and White Spruce. The cut portion Comments: has thick understory of Aspen. Scattered Aspen throughout. White Pine is very poor quality.
Next
Steps:

66 63150066-Cut 40.0 \begin{tabular}{c}
$6119-$ Mixed <br>
Lowland Deciduous <br>
Forest

$\quad$ High Density Pole $50 \quad$ Harvest $\quad$

Clearcut with <br>
Reserves

 

Lowland Deciduous <br>
with Cedar

$\quad$

Cmpt. Review <br>
Proposal
\end{tabular}

Prescription Final Harvest portion of stand to diversify age class, and guard against flooding of regen. Winter cut only. Leave all Cedar and Hemlock.
Specs: Retention: Uncut portion of stand, Cedar, and Hemlock. Acceptable alternative regen: Swamp hardwoods.
Other Mostly lowland with areas of high ground. Pockets of Cedar, and pockets of Swamp Hardwoods throughout. Many drainages throughout. Two Comments: small planted WP fingers in stand south of st\#71.

Next
Steps:

| a <br> $\mathbf{n}$ <br> d | Treatment <br> Name | Acres | Stage1 <br> CoverType | Size <br> Density | Stand <br> Age | Treatment <br> Type |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{7 0}$ | $\mathbf{6 3 1 5 0 0 7 0 - C u t}$ | 13.4 | 6117-Lowland <br> Deciduous, Mixed <br> Coniferous | High Density Pole | 52 | Harvest |

Prescription Final harvest. Leave all Cedar and Hemlock. Buffer Buttermilk Creek at appropriate distances. Winter cut only. Retention: Buffer, Cedar and Specs: Hemlock. Acceptable alternative regen: Swamp hardwoods.

Other Wet hummocky ground. Scattered Cedar and Swamp Hardwoods throughout. Good maple regen.
Comments:
Next
Steps:


Prescription Harvest every 3rd row. Cut all Aspen and Red Maple. Leave all Oak, and Mixed Hardwoods (other than Aspen and Red Maple). Buffer Specs: Manistee River at appropriate distances. Retention: Remaining Rows, Buffers, Oak, and Mixed Hardwoods.

Other Planted White Spruce, and White Pine stand growing on steps down to Manistee River. WP very poor quality. Setup for harvest last rotation but Comments: never cut.

Next
Steps:

Cadillac Mgt. Unit
Table 4 -- Treatments Prescribed with
Compartment: 150
Data updated yesterday after 6:00 PM
a Limiting Factor
Year of Entry 2012

| n <br> $\mathbf{n}$ <br> d | Treatment <br> Name | Acres | Stage1 <br> CoverType | Size <br> Density | Stand <br> Age | Treatment <br> Type | Treatment <br> Method | Cover Type <br> Objective | Approval <br> Status |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{9}$ | $\mathbf{6 3 1 5 0 0 0 9 - C u t}$ | 45.9 | 6112 - Lowland <br> Aspen | High Density Pole | 58 | Harvest | Clearcut with <br> Reserves | Lowland Aspen | Cmpt. Review <br> Proposal |

Prescription Final harvest. Leave all Hard Maple, Oak, Cedar and Hemlock. Winter cut only. Access through private. Survey corners needed. Retention: Specs: Hard Maple, Oak, Cedar, and Hemlock. Acceptable alternative Regen: Swamp Hardwoods.

Other Wet. Thick understory. Many drainages throughout. Small pockets of Cedar mixed throughout stand. Mostly lowland with pockets of high Comment: ground. High ground compromised of Northern Hardwoods.

## Next

Steps:

Limiting Factor and No
Treatment Reason

2A: Adjacent landowner denies access
Access through private.

Total Treatment Acreage Proposed:
45.9

| Treatment | Acres | Stage1 <br> CoverType | Size <br> Dame |  | Stand | Treatment | Treatment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | | Cover Type |
| :---: |
| Consity |$\quad$| Age |
| :---: |

## Prescription <br> Specs:

Other
Comments:
Next
Steps:

| S | Cadillac | Mgt. Unit | 5 - Forested Stands <br> Data updated yesterday after 6:00 PM |  |  |  | Compartment: 150 <br> Year of Entry: 2012 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \mathrm{a} \\ & \mathrm{n} \\ & \mathrm{~d} \end{aligned}$ | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range |  | General Comments: |
| 1 | 6112 - Lowland Aspen | High Density Pole | 6.4 | 53 | 81-110 | Aspen stand along Manistee River. |  |
| 4 | 42110 - Planted Red Pine | High Density Pole | 6.2 | 55 | 171-200 | Consumer's Red Pine stand. Never thinned. |  |
| 5 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Log | 10.7 | Uneven Age | 81-110 | Some Cedar adjacent to river, but mostly Aspen/Fir stand. Heavy deer browse. Northern Hardwoods regenerating on hillside. |  |
| 6 | 429 - Mixed Upland Conifers | High Density Pole | 6.9 | 72 | 81-110 | Upland tree species on hillside, Cedar along Silver creek. Stand is within buffer of Silver Creek. Good hardwood regen throughout. |  |
| 7 | 42110 - Planted Red Pine | $\begin{aligned} & \text { High Density } \\ & \text { Log } \end{aligned}$ | 2.8 | 55 | 171-200 |  | mer's Red Pine stand. |
| 9 | 6112 - Lowland Aspen | High Density Pole | 65.6 | 58 | 81-110 | Wet. Thick understory. Many drainages throughout. Small pockets of Cedar mixed throughout stand. Mostly lowland with pockets of high ground. High ground compromised of Northern Hardwoods. Corners needed. |  |
| 12 | 42260 - Natural Pine, Mixed Deciduous | High Density Pole | 1.5 | 56 | 81-110 | Pine/Aspen hillside sloping to Silver creek. |  |
| 15 | 4139 - Aspen, Mixed Deciduous | High Density Pole | 9.7 | Uneven Age | 81-110 | located along silver creek. hawthorn in bottomlands along river, hard maple and aspen along hillside. steep. area too sensitive to harvest. |  |
| 16 | 6120 - Lowland Cedar | High Density Pole | 0.6 | 94 | 111-140 | Nice small cedar pocket. Sspen overtopping shorter Cedar and Hemlock. |  |
| 18 | 6120 - Lowland Cedar | Medium Density Pole | 16.0 | Uneven Age | 51-80 | Shelterwood harvested last rotation. Adequate regen of aspen and maple underneath canopy of Cedar, Hemlock, Fir. |  |
| 19 | $\begin{aligned} & 42110 \text { - Planted Red } \\ & \text { Pine } \end{aligned}$ | High Density Pole | 18.4 | 55 | 171-200 | Consumer's Red Pine stand. Two islands to East never thinned. |  |
| 20 | 6139 - Mixed Lowland Forest | High Density Pole | 16.0 | Uneven Age | 81-110 | Occasional supercanopy Pines. Pockets of Swamp Hardwoods, Cedar and Hemlock mixed throughout. Large drainage through middle of stand. |  |
| 21 | 6115 - Lowland Ash | High Density Pole | 18.6 | 102 | 81-110 | Swamp Hardwoods lining Manistee river. Heavy deer browse. Many drainages throughout. |  |
| 25 | 4134 - Aspen, Spruce/Fir | High Density Pole | 194.3 | 38 | 81-110 | Mostly upland, but some lowland pockets. Thick fir understory in wet areas. drainages mixed throughout. Scattered Cedar and Hemlock in wet areas. |  |
| 26 | 4130 - Aspen | High Density Sapling | 6.9 | 6 |  | Regenerating well. Mostly Aspen. |  |



| S | Cadillac | Mgt. Unit | 5 - Forested Stands <br> Data updated yesterday after 6:00 PM |  |  |  | Compartment: 150 Year of Entry: 2012 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \mathrm{a} \\ & \mathrm{n} \\ & \mathrm{~d} \end{aligned}$ | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range |  | General Comments: |  |
| 55 | 6112 - Lowland Aspen | High Density Sapling | 5.6 | 13 |  | Regenerating well. Wetter areas have Tag Alder. |  |  |
| 56 | 42110 - Planted Red Pine | High Density Log | 10.2 | 55 | 171-200 | Consumer's Red Pine stand. |  |  |
| 57 | 42110 - Planted Red Pine | High Density Log | 31.7 | 55 | 171-200 | Consumer's Red Pine Stand. |  |  |
| 58 | 4136 - Aspen, Mixed Conifer | High Density Pole | 24.6 | 36 | 81-110 | nice aspen stand. Difficult to access. wait one more rotation till harvest. |  |  |
| 59 | 4130 - Aspen | High Density Sapling | 15.6 | 6 |  | Regenerating well. Mostly Aspen. |  |  |
| 60 | 4130 - Aspen | High Density Sapling | 6.3 | 7 |  |  | great regen |  |
| 62 | 6112 - Lowland Aspen | High Density Sapling | 16.7 | 6 |  |  | Mostly Aspen. |  |
| 66 | 6119 - Mixed Lowland Deciduous Forest | High Density Pole | 125.1 | 50 | 81-110 | Mostly lowland with areas of high ground. Pockets of Cedar, and pockets of Swamp Hardwoods throughout. Wait one more rotation to harvest for age class diversity. Many drainages throughout. Two small planted WP fingers in stand south of st\#71. |  |  |
| 67 | 6132 - Mixed Lowland Forest with Cedar | High Density Pole | 45.4 | Uneven Age | 81-110 | Mix of Swamp Conifers and Swamp Hardwoods along Manistee River. Some nice Cedar pockets. |  |  |
| 70 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole | 16.7 | 52 | 51-80 | Wet hum Har | nd. Scattered Cedar and oughout. Good maple |  |
| 71 | 429 - Mixed Upland Conifers | High Density Pole | 29.5 | 58 | 171-200 | Planted White Spruce, White Pine and Red Pine stand growing on steps down to Manistee River. WP very poor quality. Setup for harvest last rotation but never cut. Is RP growing in this stand ours? |  |  |
| 73 | 42110 - Planted Red Pine | High Density Log | 307.8 | 55 | 171-200 | Consumer's Red Pine stand. |  |  |
| 76 | 6128 - Lowland Coniferous, Mixed Deciduous | High Density Pole | 17.1 | Uneven Age | 111-140 | Cedar/Fir stand along Manistee River. Sidehill growing Northern Hardwoods. |  |  |
| 77 | 4110 - Sugar Maple Association | High Density Pole | 16.4 | 56 | 51-80 | Young Hard Maple stand. |  |  |

Gen Cmts:

| 2 | $50-$ Water | 3.3 | Manistee River |
| :---: | :---: | :---: | :---: |
| 3 | 3105 - Mixed Upland Herbaceous | 25.3 | Hawthorns planted throughout. |
| 8 | 6220 - Alder/willow | 1.7 | tag alder along tributary to manistee river. |
| 10 | 3105 - Mixed Upland Herbaceous | 9.6 | Planted Hawthorn in field. |
| 11 | 6220 - Alder/willow | 1.8 | Tag Alder along Silver Creek. |
| 13 | 6220 - Alder/willow | 1.5 | tag alder drainage leading to buttermilk creek. |
| 14 | 3205 - Mixed Upland Shrub | 10.9 | Autumn Olive was planted. |
| 17 | 6220 - Alder/willow | 6.1 |  |
| 22 | $50-$ Water | 8.7 | Manistee River |
| 23 | $50-$ Water | 1.5 | Manistee River |
| 24 | 6220 - Alder/willow | 15.3 | Tag Alder pocket with scattered Swamp Hardwoods throughout. Some sapling Firs on islands. |
| 27 | 6220 - Alder/willow | 4.4 | Tag Alder pockets along Manistee River. |
| 32 | 6220 - Alder/willow | 1.6 | Tag alder armoring drainage. |
| 33 | 6220 - Alder/willow | 12.4 | mostly tag alder. scattered aspen fir and maples. |
| 35 | 3205 - Mixed Upland Shrub | 3.1 | Aspen starting to creep in fron edges. |
| 36 | 6220 - Alder/willow | 4.7 | Mostly Tag Alder with Willow and Cattails. |
| 37 | $50-$ Water | 3.5 | Manistee River |
| 41 | 6220 - Alder/willow | 7.1 | tag alder and grass along buttermilk creek. |


| Stand | Cover Type | Acres | Gen Cmts: |
| :---: | :---: | :---: | :---: |
| 44 | 6220 - Alder/willow | 1.0 |  |
| 45 | 6220 - Alder/willow | 1.2 | tag alder pocket |
| 47 | 6220 - Alder/willow | 17.9 | Wet. Sapling Birch and Tamarack present. |
| 50 | 6220 - Alder/willow | 3.7 | Tag Alder and Willow. |
| 53 | 6220 - Alder/willow | 3.4 | Wet. Tag Alder with occasional Tamarack and Birch sapling. |
| 61 | 6229 - Mixed lowland shrub | 18.4 | Powerline. Is a mix of upland and lowland. Mostly lowland. |
| 63 | 6220 - Alder/willow | 3.0 | Tag Alder and grass along Buttermilk Creek. |
| 64 | 3205 - Mixed Upland Shrub | 3.3 | Trees starting to fill in. Mix of pine and cherry trees. |
| 65 | 3205 - Mixed Upland Shrub | 1.1 | Pine and Cherry starting to creep in from sides. |
| 68 | 6225 - Bog | 0.7 |  |
| 69 | 6225 - Bog | 2.7 | Bog |
| 72 | 3302 - Low Density Conifer Trees | 0.9 | Landing for Red Pine stand. Red Pine regen. |
| 74 | 3205 - Mixed Upland Shrub | 2.8 |  |
| 75 | $50-$ Water | 9.9 | Manistee River. |

## 7 - 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.

Data updated yesterday after 6:00 PM
Stand SCA Type $\quad$ SCA Name $\quad$ Acres $\quad$ Comments

## 8 - 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.

| Conservation <br> Area | Type | Description |
| :---: | :---: | :--- | | Data updated yesterday after 6:00 PM |
| :---: | | ERA = Ecological Reference Area |
| :--- |
| HCVA = High Conservation Value Area |
| SCA = Special Conservation Area |

