

Compartment Review Presentation

Escanaba Forest Management Unit Compartment 33007 Entry Year 2017 Acreage: 640 County Menominee Management Area: Menominee End Moraine

Revision Date: 2015-07-10

Stand Examiner: Dustin Salter

Legal Description:

T37N R28W Sections 9 and 10

Identified Planning Goals:

This compartment is an equal mix of upland and lowland. The upland areas are predominantly aspen, spruce, and balsam fir. The Spruce Budworm has been present and active for over a decade in this compartment and area. The majority of the white spruce and balsam fir has been harvested, but the younger and sub-merchantable stems are dying. Some of the prescribed treatments are intended to salvage some of it. The lowland areas of the stand are a mix of tamarack, spruce, and low quality cedar. The Eastern Larch Beetle is present and has already caused pockets of mortality in the tamarack.

There are six stands prescribed for treatment. There is a large lowland conifer stand prescribed for a seed tree harvest. There are pockets of tamarack mortality within the stand and adjacent to it. This stand needs to be harvested prior to wide spread mortality of the tamarack, and the loss of a seed source. There are also two small lowland ash stands that will be harvested. There are three upland conifer stands prescribed as well. Two of these stand have been treated in the last 20 to 30 years and are regenerating, but now the younger spruce/fir is dying from the Spruce Budworm. So, the intent is to try and salvage as much as possible.

Soil and topography:

Some of the soil map units within this compartment are: Lupton-Tawas association, Pemene-Nadeau complex, and Pemene Fine Sandy Loam. The soils vary greatly throughout the compartment. In the swamp conifer stands there is black muck over sand, which is poorly drained and nearly level. The upland sites vary a little, but most of them have loamy fine sand over gravelly sand. These sites have undulating and gently rolling slopes.

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

This compartment is on the north end of a block of state land that is approximately 7 miles wide and 20 miles long. This block of land has very broken up ownership. The majority of the non-state ownership is owned by private individuals. There is little to no development in or around this compartment and the only development are cabins, houses, and a campground along the Menominee River. This compartment is about three-quarters of a mile from the Menominee River. The land is primarily used for recreation: hunting, fishing, trapping, and camping.

Unique Natural Features:

None Known

Archeological, Historical, and Cultural Features:

None Known

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Pemene Creek flows through the eastern half of the compartment.

Wildlife Habitat Considerations:

Much of this small compartment is now comprised of sapling aspen and lowland conifer forest, along with some white pine and balsam fir. Timber harvest treatments will focus on salvage of trees currently affected with spruce budworm and eastern larch beetle. A large mixed lowland conifer stand will be clearcut while retaining the dese pockets of cedar for wildlife values. Three upland conifer stands will be harvested to salvage spruce and fir. These treatments will create younger age classes of lowland conifer in areas where regeneration is likely. Pemene Creek will be protected by the designation of "special conservation area" stands along its bank. This designation will allow the development of some largersized trees, cavities and dens for wildlife, snags, and woody debris on the forest floor.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of medium-textured till and medium-textured glacial till with drumlins. The glacial drift thickness varies between 10 and 50 feet. Beneath the glacial drift are the Cambrian Munising Formation and intrusive igneous rocks. The Munising may have been used as a building stone in the past and it overlies Precambrian-aged rocks that may have metallic and non-metallic mineral potential. State lands in the area (primarily to the south) have been previously leased for metallic mineral exploration. There are mining operations approximately three miles to the northwest in Wisconsin. No gravel pits are located in the area, but there may be some potential within the compartment on drumlins. No economic oil and gas production has been found in the UP.

Vehicle Access:

The majority of the compartment is easily accessible. The Houte's Spur road, which leads off from County Road 577; is the primary access route into the east half of the compartment. With a couple of two track roads branching off the Houte's Spur road and leading into other areas of the compartment. There is a portable bridge over the Pemene Creek, once funding is obtained a permanent bridge will be constructed. The west half of the compartment is accessed with two track roads which branch off from the North State road, that is over one-half of a mile to the west of the compartment.

Survey Needs:

Two registered corners will potentially need to be set.

Recreational Facilities and Opportunities:

There are no developed facilities within this compartment. The major uses of this area are hunting, fishing, camping, trapping, and ORV riding.

Fire Protection:

The eastern portion of this compartment has a high potential for a major fire. This is caused from the dying and dead balsam and spruce, due to the spruce budworm. There is also a large area of lowland conifer swamp that has little to no danger of fire. Water can be obtained from Pemene Creek that flows through 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

Report 1 – Total Acres by Cover Type and Age Class

Escanaba Mgt. Unit

Dustin Salter : Examiner

Year of Entry 2017



Age Class

	Nor	KOPES C	05 ×	61.5 43	51 53 51 53	8	HA LO	3 8 8			89 89 89 89	8 ,00	⁷ 10,	61. "	67 47	051 VB1	No. Contraction of the second	DX June	And the second second
Aspen	0	0	0	94	49	11	0	0	0	0	0	0	0	0	0	0	0	0	154
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	64
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Low-Density Trees	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Lowland Conifers	0	0	0	0	0	0	0	0	0	146	0	0	0	0	0	0	0	0	146
Lowland Deciduous	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7
Lowland Shrub	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	52
Upland Conifers	0	0	0	17	0	0	18	0	0	0	0	0	0	0	0	0	0	0	35
Upland Mixed Forest	0	44	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Upland Spruce/Fir	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	11
White Pine	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Total	94	44	0	131	49	11	18	0	11	149	62	0	71	0	0	0	0	0	640







ers ndaries oval w/ Constraints le ors W/ Constraints treatment for age/size rsity or exceptional site	Special Conservation Areas Ecological Reference Areas Cold Water Streams Riparian Area Other SCA (No Category Assigned)							
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Acres of Harvest

Compartment 7 Total Compartment Acres: 640

Commercial Harvest - 0 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 2

Cover Type by Harvest Method

		2000 000 000 000 000 000 000 000 000 00									Sec.	
Lowland Conifers		0	0	0	140	0	0	0	0	0	140	
Lowland Deciduous		3	0	0	0	0	0	0	0	0	3	
Lowland Mixed Forest		7	0	0	0	0	0	0	0	0	7	
Upland Conifers		13	0	0	0	0	0	0	0	0	13	
Upland Mixed Forest		20	0	0	0	0	0	0	0	0	20	
Upland Spruce/Fir		11	0	0	0	0	0	0	0	0	11	
	Total	54	0	0	140	0	0	0	0	0	194	

Proposed and Next Step Treatments by Harvest Method

			Terrest		Outino o	oo oo		An Control of	inion of the second second	No No	CO CO CO CO CO CO	See.
Current		194	0	0	0	0	0	0	0	2	197	Í
Next Step		0	0	0	0	0	0	194	0	0	194	
	Total	194	0	0	0	0	0	194	0	2	391	

Escanaba Mgt. Unit			Re	port 4	Treatme	nts	Compart Year of	tment: 7 Entry: 2017	TOP NATURAL PLO			
t a n d	Treat Nai	ment me	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
3	330070	03-Cut	140.4 (6129 - Mixed Coniferous Lowland Forest	Poletimber Well	84	141- 170	Harvest	Seed Tree with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal
<u>Hal</u> Pres Spe Nex	bitat Cur scription ecs: tt Step	<u>t:</u> No Cut all t remove the nort	rees grea d from the hern part	Site Condition: ater than 3" inches; e e harvest, if any othe of the stand, leave	except leave ers are iden an appropria	seed t tified wl ate buff	ree clump hen settin er along it	os/pockets thro g up the sale e	ughout the stand. T exclude them as well	Three dense pock I. There is a drair	ets of cedar ha n along the sou	ave been ith edge of
Acc Rec	eptable	Tamara	ick, spruc	e, cedar, balm/aspe	en.							
<u>Oth</u> <u>Cor</u> Pro	<u>er</u> nment: posed Sta	Mature Eastern the star a highe art Date:	mixed low Larch Be nd, potent r density 10/1	vland conifer stand. eetle has caused ma ially from the Spruce of tamarack. Old ne /2016	The stand i any pockets e Budworm. ext step com	s a mix of tama The n ments:	a of tamara arack mor orthern ar	ack, spruce, ar tality througho nd western par	nd cedar. The majo ut the entire stand. ts of the stand are h	rity of the cedar is There are also po eavier to spruce a	s very low qual ockets of dead and the rest of	ity. The spruce, within the stand has
8	330070	08-Cut	6.6 L	6132 - Mixed owland Forest with Cedar	Poletimber Well	116	141- 170	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
Hal Pres Spe Nex Tres Acc Rec	bitat Cur scription ccs: tt Step atments: eptable gen:	<u>t:</u> No Cut all t Ash, sp	rees grea ruce, bals	Site Condition: Siter than 3" inches; e	except mark	to reta dar.	in some s	cattered seed	trees/ clumps of spr	ruce and cedar.		
Oth Cor	<u>er</u> nment:	Lowland over. C	d ash star Ild next st	nd with cedar. The a ep comments:	ash, spruce,	and ba	alm are m	ature. The ceo	dar is low quality and	d there is high per	rcentage of it th	nat has blown
Pro	posed Sta	art Date:	10/1	/2016								
11	330070	11-Cut	2.9	6115 - Lowland Ash	Poletimber Well	85	Unspec ified	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Proposal
<u>Hal</u> Pre Spe	bitat Cu scription ecs:	<u>t:</u> No Cut all t	rees grea	Site Condition: ater than 3" inches; e	except leave	a buffe	er around	the bog and al	so the dense pocke	t of cedar in the S	E part of the s	tand.
<u>Nex</u> Trea	<u>tt Step</u> atments:											
<u>Acc</u> Rec	eptable jen:	Ash, sp	ruce, bals	sam fir, aspen, and o	cedar.							
<u>Oth</u> Cor	<u>er</u> nment:	Mature	low qualit	y black ash stand.	There is sm	all bog	included v	within the stand	d on the north end.	Old next step cor	nments:	
Pro	posed Sta	art Date:	10/1	/2016								
12 Hal	330070 bitat Cu	12-Cut	10.8	42320 - Upland Spruce Site Condition:	Poletimber Poor	70	Unspec ified	Harvest	Clearcut	42340 - Upland Spruce/Fir	Two-Aged	Proposal
Pre Spe	scription scs:	Cut all t and mo	rees grea rtality fror	ater than 5" inches; en the spruce budwo	except mark rm.	some	scattered	pine to retain.	3% retention does	not need to be lef	t, due to small	stand size
<u>Nex</u> Trea	tt Step atments:											
<u>Acc</u> Rec	eptable jen:	Spruce,	, balsam f	ïr, aspen, balm, anc	I white pine.							
<u>Oth</u> Cor	<u>er</u> nment:	Stand w Budwor with sal	vas shelte m is killin vaging th	erwood cut in 1993-9 g the residual spruc e remainder of the s	94 on contra e and also t pruce. Old	ct 018-9 he spru next ste	92-01. Th ice/fir rege	nere is about 30 eneration. The ents:	0 BA of residual BA, overstory should be	, most of which is e removed to rele	spruce. The sase the unders	Spruce story along
Pro	posed Sta	art Date:	10/1	/2016								

S t		Esc	Escanaba Mgt. Unit			eport 4	Treatmer	nts	Compar Year of	tment: 7 Entry: 2017	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
15 3	3007015-Cut	20.2	4311 - Pine, Aspen Mix	Poletimber Well	22	Immatu re	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Proposal
<u>Habita</u> Prescri Specs:	<u>at Cut:</u> No i <u>ption</u> Cut all	merchant	Site Condition: able species; excep	t cedar and	mark to	o retain so	ome scattered pi	ne. Leave a 100'	buffer along Peme	ene Creek.	
<u>Next Si</u> Treatm	<u>tep</u> nents:										
<u>Accept</u> <u>Regen</u> :	<u>table</u> Aspen, <u>:</u>	spruce, b	oalsam fir, tamarack	, and pine.							
<u>Other</u> Comm	Stand v ent: retaine which h	vas cut in d. This ca nas alread	1993 on contract 18 aused a two aged st ly caused some mor	8-92-01. Th and with you tality. Old	ere wa unger a next st	s quite a aspen. Th ep comm	bit of advanced s ne residual spruc ents:	softwood regenera e and balsam fir a	tion when the star re being attacked	nd was cut tha by the spruce	t was budworm,
<u>Propos</u>	ed Start Date	10/1	/2016								
19 3	33007019-NF	2.4	310 - Herbaceous Openland	Nonstockee	d 0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
Habita Prescri Specs: Next Si Treatm Accept Regen:	at Cut: Yes iption Prescri remova tep ients: table	bed fire, f I of comp	Site Condition: arming (dozing, disk eting trees and esta	ing, raking, blishment o	herbici f native	iding, see e hard and	ding (native or na d soft mast produ	aturalized species ucers such as red	only)), fertilizing a oak, crabapple or	and liming, bru others.	shhog/saw
<u>Other</u> Comm	Old no	ext step c	omments:								
<u>Propos</u>	ed Start Date	10/1	/2016								
20 3	3007020-Cut	13.5	42390 - Mixed Non- Pine Upland Conifers	Sawtimber Medium	57	Unspec ified	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Proposal
<u>Habita</u> Prescri Specs:	at Cut: No iption Cut all stand.	trees grea	Site Condition: ater than 3" inches.	Leave a 100	D' foot l	buffer alo	ng Pemene Cree	ek along with the d	ense pocket of ce	dar on the sou	th end of the
<u>Next Si</u> Treatm	tep_ nents:										
<u>Accept</u> <u>Regen</u> :	<u>table</u> Aspen, <u>:</u>	spruce, t	amarack, white pine	, balsam fir,	and ba	alm.					
<u>Other</u> Comm	Poor qu <u>ent:</u> Budwo the dor	uality aspe rm, causir mant sea	en and mixed conife ng significant mortal son to maximize asp	r stand. The ity. Some o pen sproutin	e asper f the ta g Old	n is over r imarack is next step	mature and the s s being attacked comments:	pruce and balsam by the Eastern La	fir have been hit rch Beetle. This s	hard by the Sp stand should b	ruce e harvested in
Propos	sed Start Date	10/1	/2016								
Acr	Total Treatme eage Propos	ent 1 ed:	96.7								

Escanaba Mgt. Unit

Dustin Salter : Examiner

Compartment: 7 Year of Entry: 2017

Dominant Site Conditions

	5E
Aspen	
Cedar	0
Herbaceous Openland	
Low-Density Trees	0
Lowland Conifers	5
Lowland Deciduous	
Lowland Mixed Forest	
Lowland Shrub	
Natural Mixed Pines	
Upland Conifers	
Upland Mixed Forest	
Upland Spruce/Fir	
White Pine	
Total Forested Acres	5
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			
1	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: These areas are long term retention within the stand and provide for winter cover for wildlife.									
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	53	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: This stand was clearcut in 2003-04; except some pine and oak was retained within this harvest. The stand is fully stocked with aspen regeneration. If the overstory is removed now a substantial amount of the aspen regen will be destroyed.									



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
Unspecified Comments	Other SCA		SCA Removal	11
This stand was originall budworm. But, at the fir	y approved at the pre-review to salvage t nal review they decided they did not wan	the balsam and spruce that has been to salvage the affected wood. So,	en severely affected by the s the treatment was rem	pruce
Unspecified	Potential Old Growth		SCA Removal	53
Comments OLD GROWTH POTEN	ITIAL - WATER INFLUENCE ZONE			
Unspecified	Potential Old Growth		SCA Removal	10
Comments OLD GROWTH POTEN	ITIAL - WATER INFLUENCE ZONE			
Unspecified	Potential Old Growth		SCA Removal	5
Comments OLD GROWTH POTEN	ITIAL - WATER INFLUENCE ZONE			
Unspecified	Potential Old Growth		SCA Removal	4
Comments OLD GROWTH POTEN	ITIAL - WATER INFLUENCE ZONE			
Unspecified	Potential Old Growth		SCA Removal	7
Comments OLD GROWTH POTEN	ITIAL - WATER INFLUENCE ZONE			



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 Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved stocked trout populations and those of other coldwa year to year. Coldwater streams in Michigan typically contributions of groundwater to their stream flows. S designated as trout resources by Fisheries Order 21	oxygen conditions that allow naturally-reproduced or ter fish species (e.g., slimy sculpin) to persist from y provide these conditions due to substantial Such streams are established by Director's action and 10.

S t	Escanaba	Mgt. Unit		Report 8	- Forested	Stands Compartment: 7 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	429 - Mixed Upland Conifers	Sapling Well	17.1	26	Immature	Stand was clearcut in 1989 on contract 33-86-01; except some residual mature pine was left. About half of the stand is dense with aspen/balm and the other half has a mix of upland conifer.
2	6120 - Lowland Cedar	Poletimber Poor	53.1	116	1-50	This stand was cut between 2012 and 2014 on contract 026-11- 01. All species were cut; except cedar and some seed trees. Some areas of this stand will be too dense with cedar to regenerate the tamarack and spruce, but other areas are more open and there will be enough sunlight for spruce and tamarack to regenerate. The residual cedar varies from 0 to 170 BA. It is too soon to see regeneration.
3	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	145.6	84	141-170	Mature mixed lowland conifer stand. The stand is a mix of tamarack, spruce, and cedar. The majority of the cedar is very low quality. The Eastern Larch Beetle has caused many pockets of tamarack mortality throughout the entire stand. There are also pockets of dead spruce, within the stand, potentially from the Spruce Budworm. The northern and western parts of the stand are heavier to spruce and the rest of the stand has a higher density of tamarack.
4	4130 - Aspen	Poletimber Well	49.1	35	1-50	Good quality aspen stand with a dense understory of upland conifer in most areas.
6	4136 - Aspen, Mixed Conifer	Sapling Well	76.1	27	Immature	This stand was clearcut between 1986 and 1990 on contract 022-86-01; except some pine and oak were retained. Decent quality aspen stand with denser pockets of balsam fir and spruce. There are also some dense pockets of mature pine.
8	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	6.6	116	141-170	Lowland ash stand with cedar. The ash, spruce, and balm are mature. The cedar is low quality and there is high percentage of it that has blown over.
9	6120 - Lowland Cedar	Poletimber Well	5.3	116	171-200	Stand was thinned in 1993-94 on contract 018-92-01. In 2005 the growth rate of the residual cedar had increased by 50% following the thinning. In 2015 growth rates have doubled since the thinning. The crowns have filled in now, except where the spruce is dying out of the stand.
10	4130 - Aspen	Poletimber Well	17.7	28	Immature	Stand was clearcut in 1987 on contract 26-86-01. Good quality aspen stand with some balsam fir and spruce in the understory.
11	6115 - Lowland Ash	Poletimber Well	3.3	85	Unspecified	Mature low quality black ash stand. There is small bog included within the stand on the north end.
12	42320 - Upland Spruce	Poletimber Poor	10.8	70	Unspecified	Stand was shelterwood cut in 1993-94 on contract 018-92-01. There is about 30 BA of residual BA, most of which is spruce. The Spruce Budworm is killing the residual spruce and also the spruce/fir regeneration. The overstory should be removed to release the understory along with salvaging the remainder of the spruce.
13	4311 - Pine, Aspen Mix	Sapling Medium	43.8	7	Immature	Stand was clearcut in 2008 on contract 027-07-01; except some pine and cedar were retained. The aspen regeneration is not real dense or of a high quality. The areas that did not fill in with aspen are filling in with upland coninfers.

S t a	Escanaba	Mgt. Unit		Report 8	B – Forested	Stands Compartment: 7 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
14	42200 - Natural White Pine	Sawtimber Poor	9.9	94	1-50	Stand was thinned in 1992, than again in 1997, than a shelterwood cut was done in 2008 on contract 027-07-01. About 30 BA of pine was retained. FTP 33-662 was created to mechanically scarify the stand, but this was never completed. The FTP can be canceled. This stand has regenerated on its own with a mix of upland conifer species and aspen/balm. Possibly next entry remove the overstory when the regeneration is ready to be released.
15	4311 - Pine, Aspen Mix	Poletimber Well	20.2	22	Immature	Stand was cut in 1993 on contract 18-92-01. There was quite a bit of advanced softwood regeneration when the stand was cut that was retained. This caused a two aged stand with younger aspen. The residual spruce and balsam fir have are being attacked by the spruce budworm and has already caused some mortality.
16	6120 - Lowland Cedar	Sawtimber Well	5.9	116	Unspecified	Good quality cedar stand, that provides a buffer along Pemene Creek as well as a travel corridor. The spruce and tamarack are dying out of the stand.
17	42250 - Pine, Oak	Sawtimber Poor	52.5	94	1-50	Stand was clearcut in 2003/04 on contract 046-02-01. A substantial amount of mature pine and oak was retained from harvest. Along the west and east edges of the stand there is a high density of residual pine and oak and in the center of the stand there is very little.
18	4130 - Aspen	Poletimber Well	10.7	41	Unspecified	Good quality aspen stand.
20	42390 - Mixed Non- Pine Upland Conifers	Sawtimber Medium	17.7	57	Unspecified	Poor quality aspen and mixed conifer stand. The aspen is over mature and the spruce and balsam fir have been hit hard by the Spruce Budworm, causing significant mortality. Some of the tamarack is being attacked by the Eastern Larch Beetle. This stand should be harvested in the dormant season to maximize aspen sprouting.

Compartment: 7 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
5	3302 - Low Density Conifer Trees	46.2		This stand was clearcut in the winter of 2009-10 on contract 028-07-01. There were seed tree clumps left throughout the stand. This stand is being managed for a mix of spruce, tamarack, and cedar. There are some seedlings showing above the 10"+ of snow that was on the ground at the time of inventory. Most of the trees within the seed tree clumps have already died.
7	622 - Lowland Shrub	46.2	No	Pemene Creek flows through this stand. This stand is the floodplain of the creek and is a mix of lowland shrub, cattails, and grasses.
19	310 - Herbaceous Openland	2.4	Yes	This stand last had a prescribed burn done in 1997 on FTP W33-377 to remove encroaching vegetation. This stand was burned with some other stands in comp 8 to the south. The stand is filling in with balm and cherry sprouts.