

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
1	D 0	D 0	19		0	0		treed bog	nonstocked	N		not scheduled	0	
comnts Fmd : Treed bog with tamarack and small cedar. Tag alder throughout.														
2	C 5	Q 2	11	88	8	40	27	cedar	low quality	N		not scheduled	0	
comnts Fmd : Low quality cedar stand. Very wet. Bordered by a treed bog to the south. Small diameter, short cedar, some with dead tops. Small creek runs through the western part of the stand. Carbondale, Lupton and Tawas mucks.														
3	L 0	L 0	13		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : lowland brush with flooded timber														
4	C 5	Q 2	133	88	8	40	27	cedar	low quality	N		not scheduled	0	
comnts Fmd : Poor quality, short heights, dead tops. Very open in spots and very wet. Some thicker patches of cedar with spruce in northern portions of the stand. Western corner has a higher basal area. Stand was cut in the early 1900's (1920 - old notes and old photos).														
5	L 0	L 0	196			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush bordering the Tahquamenon River throughout the compartment. Brush and tag alder.														
6	L 0	L 0	179			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush bordering the Tahquamenon River throughout the compartment. Brush and tag alder.														
7	L 0	L 0	39			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush bordering the Tahquamenon River throughout the compartment. Brush and tag alder.														
8	L 0	L 0	3			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush bordering the Tahquamenon River throughout the compartment. Brush and tag alder.														
9	L 0	L 0	37			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush bordering the Tahquamenon River throughout the compartment. Brush and tag alder.														
10	Z 0	Z 0	9			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Upper Tahquamenon River														
11	D 0	D 0	93		0	0		treed bog	nonstocked	N		not scheduled	0	
comnts Fmd : Treed bog with tamarack and small cedar. Tag alder throughout. Bog ground.														
12	P 5	P 2	6	56	10	50	48	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Small pocket of aspen with some spruce, white birch and tamarack along the east side of County Road 415. Open areas. Aspen in mature and showing some rot and decline. East and west ends of the stand have more spruce. There appears to be an old dumpsite within the stand. Possible site of old McMillan dump? Numerous old cars and appliances showing through the snow. Also mounds where it looks like other items are buried. Easy access off County Road 415. Winter cut due to the soil type. Management objective of lowland aspen, acceptable alternative management objective of a lowland aspen and lowland conifer mix.														
Wld : leave some cedar or spruce														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
13	D 0	D 0	289		0	0		treed bog	nonstocked	N		not scheduled	0	
comnts Fmd : Treed bog with tamarack and small cedar. Tag alder throughout. Bog ground.														
14	T 5	Q 2	34	56	7	60	45	tamarack	immature	N		20-29 years	0	
comnts Fmd : Small diameter tamarack with a component of cedar and black spruce. More of a solid tamarack stand near the county road. Wet stand. Lots of dead or nearly dead tamarack (larch casebearer - 1998-1999). Basal area varies throughout the stand. Older tamarack was hit by the outbreak , leaving the younger tamarack. Carbondale, Lupton and Tawas Muck soils.														
15	C 4	C 2	40	88	6	30	27	cedar	low quality	N		not scheduled	0	
comnts Fmd : Stand was cut through in the early 1900's (approx. 1920's - notes C 104 and old photos). Low quality cedar, short. Some dead tops. Stand density varies throughout. Understory of cedar and tag alder. More tamarack mixed in near the "D" type to the north. Carbondale, Lupton and Tawas muck.														
16	T 3	T 2	61	36		0	45	tamarack	immature	N		40-49 years	0	
comnts Fmd : Small diameter tamarack 15-20 ft tall on average. Understory of mainly tag alder. Bog type ground. Carbondale, Lupton and Tawas muck soils.														
17	Q 5	Q 3	77	73	7	50	40	mixed swamp conifer	two aged	N		30-39 years	0	
comnts Fmd : Small diameters, thicker understory of advanced regeneration (balsam, spruce, and some cedar) compared to adjacent Stand 37. Majority of the stand is a Q5 overstory of spruce and tamarack with a thick understory. Pockets of Q6 throughout the stand. Originally this stand and stands 18 and 37 were all one stand. Separated out to delineate the portions of the original stand that are ready for a harvest. Retaining this stand will help reduce the visual impact of the adjacent harvests. This stand should be checked in 20-30 years once the advanced understory has put on some additional growth. To harvest now would create excessive damage to the understory. Carbondale, Lupton and Tawas muck soils.														
18	Q 6	F 3	38	88	9	100	40	mixed swamp conifer	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Lowland mixed conifer stand. Pockets of higher tamarack basal area (large dbh and tall) and others with more black spruce. Some mortality in the tamarack, but much of it is still healthy, tall and larger diameter especially in the northern portions of the stand. Good balsam component throughout the stand, thick balsam understory also. Scattered white birch. Some cedar pockets. Stand is mature and ready for harvest. Harvest stand with other prescribed stands near the county road along with stand 42. Visual impact will be a concern due to the location along the county road and proximity to McMillan. Leave conifers 4 inches in diameter or less after harvest for visual concerns. Stand 17 will also help reduce the visual impact of the harvest. Western boundary of the stand follows the more open canopy and the higher cedar component (stand 17). Management objective is Q - mixed swamp conifer. Any combination of a lowland conifer species mix is acceptable alternative management objective. Wld : stay out of cedar canopies, not harvesting if cedar. Leave come paper birch														
19	P 6	F 2	10	56	10	80	60	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Mainly quaking aspen, black spruce and balsam on a low ground site. Typed as a P6 due to the low ground soils. Stand is semi open in the western end. Aspen is mature (over 50 years old). Prescribed for fimal harvest with a management objective of aspen (lowland). Will likely get a component of balsam and spruce regeneration also. Winter sale due to soils. Visual impact will be a concern due to stand location. Harvest with adjacent prescribed stands near the county road. Use a sale specification to harvest all conifer down to 2 inches in diameter to promote better aspen regeneration due to the thickness of the balsam understory in spots. This was agreed to by discussion with Wildlife Biologist. This small diameter conifer component will be retained in stand 18 after harvest, along with other harvested conifer stands. Wld : leave a conifer component														
20	L 0	L 0	5			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Low, open area with some brush along east side of County Road 415. Carbondale, Lupton and Tawas muck soils.														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
21	Q 5	Q 2	24	73	8	50	40	mixed swamp conifer	two aged	N		40-49 years	0	
<p>comnts Fmd : Mixed stand of spruce, cedar and tamarack. Overstory is sparse in areas, low quality. Most of the tamarack is dead except near the county road. Thick small diameter tamarack near the road. Understory of spruce, cedar and some tag alder. Fairly open in spots. Southeast portion is more of a Q4/L. Carbondale, Lupton and Tawas muck soils.</p>														
22	C 6	C 2	30	83	8	70	27	cedar	immature	N		not scheduled	0	
<p>comnts Fmd : Stand is a very mixed stand of open areas, thick cedar areas and other areas of a mixed conifer component. Open areas have fairly good cedar regeneration 6-10 ft tall. Throughout the stand, the cedar component is high enough to type out as a cedar stand. Stand was cut through in the early 1900's (1920's?) along with the majority of the area. Carbondale, Lupton and Tawas muck soil.</p>														
23	C 4	Q 3	24	83	7	30	27	cedar	two aged	N		40-49 years	0	
<p>comnts Fmd : Stand was cut in the past, around the 1920's. The majority of this area along with C 104 was all harvested around the same time. Stand consists now of "older" cedar with younger classes of spruce, balsam, cedar and some tamarack. Some good cedar regeneration. Open stand in many areas. Wet.</p>														
24	Q 6	S 2	16	94	9	110	38	mixed swamp conifer	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : Lowland mixed conifer stand with an aspen component (pockets). Black spruce, tamarack and balsam. Some scattered large diameter aspen. Stand consists of taller, larger spruce and tamarack with balsam than the adjacent "Q" stands. Not much of a cedar component. More of a cedar component in stands 25 and 28 - adjacent stands. Understory is more open than the adjacent stands. Stand is mature, ready for harvest. Western boundary of the stand is the N/S ice road. Harvest this stand along with stands 12, 26, 32 and 36 (all east of County Road 415. Access to the stand will be through stand 36. Management objective is mixed swamp conifer. Acceptable alternative management objective of a mix of lowland aspen and mixed swamp conifer. Carbondale, Lupton and Tawas mucks soil.</p> <p>Wld : leave cedar component</p>														
25	Q 6	Q 3	13	75	7	90	35	mixed swamp conifer	unevenaged	N		20-29 years	0	
<p>comnts Fmd : Small diameter mixed conifer stand with a good cedar component. The stand was cut in the early 1900's (1920's?) Lots of dead tamarack (larch casebearer - 1999). Areas with younger spruce and tamarack and pockets of more mature spruce. Many parts of the stand have a "scattered" or semi open overstory with a thick understory. Thick pockets of cedar. Areas with good cedar regeneration. Stand was delineated from adjacent stands that are being prescribed for harvest due to the cedar component and the thicker, advanced understory. Treating this stand at this time would damage a large portion of the advanced regeneration. Holding the stand will provide for diversity and aid in visual concerns with adjacent harvests.</p>														
26	S 6	F 3	15	88	9	70	38	black spruce-swamp	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : Stand consists of mainly black spruce, some large diameter. Lots of dead tamarack. Healthy, almost solid balsam understory, with scattered red maple saplings. Stand appears to be slightly "drier" than adjacent stands. Stand is mature and showing decline in the spruce and more so in the tamarack. Prescribed for final harvest with a management objective of black spruce. Acceptable alternative management objective of mixed swamp conifer species (Q type). Leave white pine in the stand as residual, and retain conifers 4 inches or less in diameter after harvest to help reduce visual impact due to proximity to McMillan and along county road. Stand can be easily delineated on the ground by the thick balsam understory compared to the adjacent stands. Stand should be harvested with other prescribed stands east of Co Rd 415.</p> <p>Wld : leave white pine</p>														
27	Q 5	Q 3	21	73	7	40	38	mixed swamp conifer	two aged	N		20-29 years	0	
<p>comnts Fmd : Spruce, cedar and tamarack with some smaller diameter balsam. Thick understory of the same species (30 ft tall, 2-3 inch diameter). Pockets of Q4/Q2 within the stand. Two aged stand with thick healthy understory. Scattered large diameter spruce. More cedar further east in the stand. Stand will aid in buffering the visual impact of the adjacent harvests from the county road. Check in 20-30 years for harvest once the understory is more mature. Carbondale, Lupton and Tawas mucks soils.</p>														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B	Tot. BA								
28	Q 6	Q 3	65	75	7	90	35	mixed swamp conifer	unevenaged	N		20-29 years	0	
<p>comnts Fmd : Small diameter mixed conifer stand with a good cedar component. The stand was cut in the early 1900's (1920's?) Lots of dead tamarack (larch casebearer - 1999). Areas with younger spruce and tamarack and pockets of more mature spruce. Many parts of the stand have a "scattered" or semi open overstory with a thick understory. Thick pockets of cedar. Areas with good cedar regeneration. Stand was delineated from adjacent stands that are being prescribed for harvest due to the cedar component and the thicker, advanced understory. Treating this stand at this time would damage a large portion of the advanced regeneration. Holding the stand will provide for diversity and aid in visual concerns with adjacent harvests.</p>														
29	C 6	Q 2	8	98	10	160	27	cedar	mature	N		not scheduled	0	
<p>comnts Fmd : Cedar stand with balsam and spruce component. Pockets of large diameter cedar. Some open areas with good cedar regeneration. No apparent deer browse problems. Carbondale, Lupton and Tawas mucks.</p>														
30	C 6	Q 2	27	98	10	160	27	cedar	mature	N		not scheduled	0	
<p>comnts Fmd : Cedar stand with balsam and spruce component. Pockets of large diameter cedar. Some open areas with good cedar regeneration. No apparent deer browse problems. Carbondale, Lupton and Tawas mucks.</p>														
31	Q 2	Q 2	3	61		0	30	mixed swamp conifer	nonstocked	N		40-49 years	0	
<p>comnts Fmd : Wet, open stand of stunted cedar and tamarack.</p>														
32	P 6	F 3	6	58	9	100	57	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	2	
<p>comnts Fmd : Small acreage aspen stand along the railroad tracks east of Co Rd 415. Appears to be slightly better ground than the surrounding stands with a good balsam fir understory. Some cedar and spruce in the understory. Aspen is fairly healthy but showing some decline and rot. Prescribed for final harvest. Harvest with other prescribed stands east of Co Rd 415 as one sale. Remove all conifers down to 2 inches in diameter (except cedar) through harvest to promote better aspen regeneration due to the thick balsam understory. This was agreed to through discussion with the wildlife biologist Survey work will be needed prior to managing this stand. Management objective is lowland aspen. Acceptable alternative management objective is a mix of lowland aspen and lowland conifers.</p> <p>Wld : protect the cedar understory. Leave a conifer component.</p>														
33	X 0	X 0	2			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Canadian National Railroad Right of Way.</p>														
34	X 0	X 0	1			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Canadian National Railroad Right of Way.</p>														
35	X 0	X 0	11			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Canadian National Railroad Right of Way.</p>														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							

36	P 6	F 2	25	58	9	90	57	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	1
----	-----	-----	----	----	---	----	----	---	--------	---	---------------	------------------	---

comnts Fmd : Lowland aspen stand at the NE corner of the railroad tracks and Co Rd 415. Mainly mature aspen. Some balsam poplar mostly in the southern reaches of the stand. Some open lowland areas (P4). Mature black spruce along the edges and throughout the northern half of the stand. Southeast corner of the stand is more large diameter balsam and spruce near the old ice road. West side of the stand contains mature spruce to be included in the stand. Aspen clones are showing rot and decline. Surrounding "Q" stand has smaller diameters of tamarack and spruce without the aspen component. Delineation is fairly easy on the ground. Very slight topography difference from adjacent stands, better balsam component in the understory. Stand continues to the northeast to the old ice road. Stand is prescribed for final harvest with a management objective of lowland aspen. Acceptable alternative management objective of a mix of lowland aspen and swamp conifer. Treat stand along with other prescribed stands east of Co Rd 415 (12, 24, 26, 32). Survey work needed along private land prior to stand being managed. Wildlife biologist agreed to cutting conifer component down to 2 inches in diameter (except cedar) to promote better aspen regeneration due to the thick balsam understory present in the stand. This was agreed to through discussion with the wildlife biologist. Visual concerns of the cut will be lessened by the retention of stand 27 along the county road.

Wld : leave cedar and a conifer component

37	S 6	S 2	25	86	9	80	38	black spruce-swamp	mature	Y	final harvest	within 0-9 years	1
----	-----	-----	----	----	---	----	----	--------------------	--------	---	---------------	------------------	---

comnts Fmd : Black spruce stand along the west side of Co Rd 415. Larger diameters and taller than adjacent stand to the west. Primarily a black spruce stand with a component of tamarack, balsam and balsam poplar. Much of the tamarack in the stand is dead. Stand is mature. Lots of black spruce 2-3 inches in diameter within the stand. Prescribed for final harvest. Treat with stands 18, 19, and 42. Leave conifers 4 inches or less in diameter after the harvest to help reduce the visual impact of the sale due to the adjacency to the county road and the proximity to McMillan. Will also provide some structural diversity in the stand. Management objective of black spruce. Acceptable alternative management objective of mixed swamp conifer.

Wld : leave aspen and birch and a conifer component

38	C 5	C 2	9	86	6	50	34	cedar	low quality	N		not scheduled	0
----	-----	-----	---	----	---	----	----	-------	-------------	---	--	---------------	---

comnts Fmd : Low quality cedar stand with some tamarack and spruce. Wet. Small creek running north through the stand. Carbondale, Lupton and Tawas muck soils.

39	Q 5	Q 3	25	76	8	60	38	mixed swamp conifer	two aged	N		10-19 years	0
----	-----	-----	----	----	---	----	----	---------------------	----------	---	--	-------------	---

comnts Fmd : Stand has high variability. Open areas with short open grown trees, pockets of spruce, and other areas of swamp conifer typically found in this area. Fairly wet ground. Quality varies throughout the stand. Access is questionable through lowground on private land to the south. Many pockets of younger regeneration within the stand. Carbondale, Lupton and Tawas mucks.

40	Q 5	Q 2	16	64	8	40	38	mixed swamp conifer	immature	N		not scheduled	0
----	-----	-----	----	----	---	----	----	---------------------	----------	---	--	---------------	---

comnts Fmd : Semi open stand of tamarack and black spruce. Some cedar within the stand. Stand buffers a small creek flowing north through the stand. Older tamarack has died off. Younger, smaller diameter tamarack is healthy.

41	Q 5	Q 3	14	73	7	40	38	mixed swamp conifer	two aged	N		40-49 years	0
----	-----	-----	----	----	---	----	----	---------------------	----------	---	--	-------------	---

comnts Fmd : Thick stand of lowland conifers. Black spruce, cedar and tamarack with thick understory of the same species. Two aged stand. Overstory is small diameters and shorter than other "Q" types in the area. Carbondale, Lupton and Tawas soils.

42	S 6	S 3	27	86	9	100	42	black spruce-swamp	mature	Y	final harvest	within 0-9 years	2
----	-----	-----	----	----	---	-----	----	--------------------	--------	---	---------------	------------------	---

Treatment Limiting Factors:

- Road needed (resources not presently available)
- Too wet

comnts Fmd : Fairly nice black spruce stand. Thick in most of the southern portion of the stand. Lots of spruce less than 4 inches in diameter. Some open areas further north in the stand. Mature spruce. Prescribed for a final harvest with a management objective of black spruce. Acceptable alternative management objective of mixed swamp conifer. Treat with stands 18, 19, and 37 as one sale. Access to the stand is from east along the north side of the railroad. At least one culvert will be needed for a creek crossing. Areas of advanced balsam and spruce regeneration in the stand should be protected if stand is harvested. More remote location. Visual impact is not a concern. Road into the stand for harvesting will be blocked and obliterated after sale is complete.

Wld : leave any cedar and stay out of cedar pockets

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	avg. D			Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	B H	Tot. BA								
43	L 0	L 0	21			0		lowland brush	nonstocked	N		not scheduled	0	
44	L 0	L 0	38			0		lowland brush	nonstocked	N		not scheduled	0	
45	Q 5	Q 3	133	74	8	50	35	mixed swamp conifer	two aged	N		30-39 years	0	
<p>comnts Fmd : Semi open stand. Pockets of cedar and other pockets of spruce and balsam. Understory is a mix of balsam, spruce, tag alder and cedar. Quality decreases the further north in the stand. Northeast portion of the stand is primarily tamarack with some mortality. Two aged stand. Understory is thick in spots. Carbondale, Lupton and Tawas mucks.</p>														
46	S 6	S 3	10	98	10	140	47	black spruce-swamp	mature	Y	final harvest	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u>                      Road needed (resources not presently available)                      Too wet</p>														
<p>comnts Fmd : Nice tall black spruce stand. Very uniform diameters. Almost "park like" in areas. Good component of large diameter cedar. Very thick F3 understory in areas where blowdown or mortality has occurred. Mature black spruce. Tamarack in the stand is almost all dead. Hold stand for 10-20 years, then harvest if the prescribed stands to the south are managed this entry year. Access is very questionable.</p> <p>Wld : leave cedar and stay out of cedar canopies</p>														
47	H 6	F 3	6		11	70	45	hemlock	unevenaged	N		not scheduled	0	
<p>comnts Fmd : Small knob of mixed conifer, primarily hemlock, in the middle of the treed bog. Stand consists of hemlock, white pine and tall spruce over smaller red maple, cedar and balsam. Thick understory throughout. Cedar regeneration along the edges of the stand. Real mix of species. Only real access to the stand is by snowmobile or via the river.</p>														
48	M 6	F 2	12		11	120	55	northern hardwood	unevenaged	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u>                      Too wet                      Water quality/bmps</p>														
<p>comnts Fmd : Primarily hardwoods (red maple) stand with a thick edge of hemlock, white pine, and small balsam. Large diameter hemlock and white pine (16-20+ inches). Center of the stand is mainly M6/M9. Extreme west end is spruce, white pine, cedar and hemlock. Isolated island of timber with absolutely no access. Unique large diameter characteristic to the stand, bordering along the Tahquamenon River. Kinross-Augres soil complex.</p>														
49	L 0	L 0	7			0		lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Lowland brush bordering the Tahquamenon River throughout the compartment. Brush and tag alder.</p>														
50	Z 0	Z 0	46			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Upper Tahquamenon River</p>														
51	D 0	D 0	153		0	0		treed bog	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Treed bog with tamarack and small cedar. Tag alder throughout. Bog ground.</p>														
52	Q 4	Q 1	98	73	7	30	27	mixed swamp conifer	low quality	N		60-69 years	0	
<p>comnts Fmd : Poor, low quality spruce and cedar with a few tamarack. Southern reaches of the stand turn into more of a treed bog. Stand is very open in spots. Cedar has some dead tops.</p>														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
53	L 0	L 0	30			0		lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Lowland conifer stand of black spruce, cedar and some tamarack. Primarily spruce. Only access to this area would possibly through private land to the north from Co Rd 442 (2-3 miles in across all swamp).</p>														
54	Q 6	Q 2	155	66	7	90	35	mixed swamp conifer	immature	N		40-49 years	0	
<p>comnts Fmd : Poor, low quality spruce and cedar with a few tamarack. Southern reaches of the stand turn into more of a treed bog. Stand is very open in spots. Cedar has some dead tops.</p>														
55	Q 4	Q 1	41	73	7	30	27	mixed swamp conifer	low quality	N		60-69 years	0	
<p>comnts Fmd : Stand of mostly lowland conifers. Low/wet area with very difficult access. Syphon Creek borders the stand to the west. Carbondale, Lupton and Tawas soil type. Tamarack was hit by larch casebearer.</p>														
56	Q 6	Q 2	44	74	8	70	38	mixed swamp conifer	immature	N		not scheduled	0	
<p>comnts Fmd : Stand of mostly lowland conifers. Low/wet area with very difficult access. Syphon Creek borders the stand to the east. Tahquamenon River Spreads are to the south. Carbondale, Lupton and Tawas soil type. Tamarack was hit by larch casebearer.</p>														
57	Q 6	Q 2	18	74	8	70	38	mixed swamp conifer	immature	N		not scheduled	0	
<p>comnts Fmd : Low wet area with extremely difficult access. Short, supressed trees. Stand condition 8 = Possible SCA = buffer zone for the Tahquamenon River Spreads (Upper Tahquamenon River - "sheet flow".) Parts of the stand are more of a treed bog. Stand buffers the area known as the Tahquamenon River Spreads. Unique area.</p>														
58	C 4	C 2	51	96	6	30	28	cedar	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : VERY wet stand. Stand has the Tahquamenon River Spreads flowing through the stand. Access is extremely difficult. Soils are histosols and aquents - flooded. Stand condition 8 = possible SCA = Tahquamenon River Spreads (Upper Tahquamenon River "sheet flow".)</p>														
59	Q 4	L 0	25	86	8	30	35	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Water quality/bmps</p>														
<p>comnts Fmd : VERY wet stand. Stand has the Tahquamenon River Spreads flowing through the stand. Access is extremely difficult. Soils are histosols and aquents - flooded. Stand condition 8 = possible SCA = Tahquamenon River Spreads (Upper Tahquamenon River "sheet flow".)</p>														
60	C 4	Q 1	60	89	7	30	27	cedar	low quality	N		not scheduled	0	
<p>comnts Fmd : Very wet. Treed bog in spots. Small diameter short cedar. Fairly open throughout. Lupton and Tawas soils.</p>														
61	D 0	D 0	40		0	0		treed bog	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Treed bog with tamarack and small cedar. Tag alder throughout. Bog ground. Stand condition 8 = possible SCA = buffer for Tahquamenon River Spreads (Upper Tahquamenon River "sheet flow".)</p>														
62	T 5	T 2	47	78	7	60	40	tamarack	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Water quality/bmps Too wet</p>														
<p>comnts Fmd : Low quality tamarack stand bordering on the Upper Tahquamenon River. Very wet. Tamarack in the area was hit hard by larch casebearer. Tamarack and spruce in the understory.</p>														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
63	D 0	D 0	21		0	0		treed bog	nonstocked	N		not scheduled	0	
comnts Fmd : Treed bog with tamarack and small cedar. Tag alder throughout. Bog ground.														
64	T 5	Q 2	22	78	8	40	38	tamarack	low quality	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Inferior quality														
comnts Fmd : Stand is in bad shape. Majority of the tamarack is dead or dying. Many areas have more dead tamarack than live tamarack. Spruce component is fairly healthy.														
65	C 5	Q 2	96	98	8	60	27	cedar	immature	N		not scheduled	0	
comnts Fmd : Fairly open cedar stand. Patchy. Majority of the stand is cedar with a good component of Q5/Q6 in areas. Some areas have a thick "L" type understory. Areas with large diameter cedar. More spruce in the northeast portion of the stand. Carbondale, Lupton and Tawas soils.														
66	S 6	F 3	48	97	9	100	43	black spruce-swamp	mature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u>														
Road needed (resources not presently available)														
Too wet														
Adjacent landowner denies access														
comnts Fmd : Mature black spruce stand with tamarack and balsam. Much of the larger diameter tamarack is dead. Good, thick F3 understory. Nice tall spruce throughout the stand. Some areas in the stand are more open with lower overstory basal area. Majority of the stand is very nice, tall black spruce. Access is very questionable due to the location. Multiple culverts and over 1 1/2 miles or winter road for access from the east. Private land to the south along with railroad crossing needed (permits, insurance) really limits the possibility for access. Prescribed for final harvest with numerous limiting factors. If access can be gained to the stand, set up as one sale with stands 67, 68, 82, 83, and 87 (all limiting factored stands north of the railroad. Management objective of black spruce. Acceptable alternative management objective of mixed swamp conifer.														
67	P 6	S 2	10	67	9	100	50	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u>														
Road needed (resources not presently available)														
Too wet														
Adjacent landowner denies access														
comnts Fmd : Mature balsam poplar stand with spruce, tamarack and some quaking aspen. Much of the larger diameter tamarack is dead. Thick S2 understory in spots, open "L" type in others. Both the balsam poplar and the aspen are in bad shape, dying out. Poor quality stand in need of regeneration. Open areas have smaller diameters. Edges of the stand bordering stands 66 and 68 have more black spruce. Access is very questionable due to the location. Multiple culverts and over 1 1/2 miles or winter road for access from the east. Private land to the south along with railroad crossing needed (permits, insurance) really limits the possibility for access. Prescribed for final harvest with numerous limiting factors. If access can be gained to the stand, set up as one sale with stands 66, 68, 82, 83, and 87 (all limiting factored stands north of the railroad. Management objective of balsam poplar. Acceptable alternative management objective of balsam poplar with a mixed swamp conifer component.														
Wld : leave any cedar														
68	S 6	S 3	7	98	10	140	47	black spruce-swamp	mature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u>														
Road needed (resources not presently available)														
Too wet														
comnts Fmd : Nice tall black spruce stand. Very uniform diameters. Almost "park like" in areas. Good component of large diameter cedar. Very thick F3 understory in areas where blowdown or mortality has occurred. Mature black spruce. Tamarack in the stand is almost all dead. Stand is prescribed but with limiting factors due to very questionable access. Management objective is black spruce. Acceptable alternative management objective of mixed swamp conifers. Multiple (at least 3) culverts/creek crossings needed and multiple miles of road to freeze in. Access from the south would require permission from private land and crossing permits (requiring very high liability insurance) from the railroad. If stands are able to be harvested, treat stands 66, 67, 68, 82, 83, 87 as one sale to make sure the value of the sale offsets any additional costs associated with accessing the sale.														
Wld : leave cedar and stand out of cedar canopies														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	B	Tot. BA							
69	Q 6	Q 2	5	72	9	80	51	mixed swamp conifer	low quality	N	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u>														
Adjacent landowner denies access Land survey needed														
comnts Fmd : Lowland stand of white birch, spruce, balsam and cedar. Some black ash and balsam poplar. Mortality in some white birch and balsam. Low quality stand. Understory of balsam and black ash. Prescribed for final harvest with a management object of mixed swamp conifer. Acceptable alternative management objective of lowland aspen/birch with a mix of swamp conifer. Access is very questionable due to the location (multiple culverts needed and over a mile of winter road construction. If access is gained through the private, set up as one sale with stands 66, 67, 68, 82, 83, and 87 (all limiting factored stands north of the railroad). Carbondale, Lupton and Tawas mucks.														
Wld : leave any cedar														
70	P 6	F 2	15	72	10	110	51	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	2	
<u>Treatment Limiting Factors:</u>														
Adjacent landowner denies access Land survey needed														
comnts Fmd : Lowland stand of white birch, black ash, balsam poplar, balsam and cedar. Some of the white birch is in bad shape, dying out. Small diameter black ash. Areas of "Q", "P", and "E". Balsam is healthy. Cedar is patchy. Stand is mature. Scattered large diameter spruce. Understory of balsam and black ash. Prescribed for final harvest with a management object of lowland aspen. Acceptable alternative management objective of lowland aspen with a mix of swamp conifer. Access is from the south through the private land. Access could be limited. Survey work is also needed. Winter cut. If access is gained through the private, set up as one sale with stands 73, 78, and 84 (all accessed through the private). Carbondale, Lupton and Tawas mucks.														
Wld : leave large spruce and any cedar														
71	P 3	E 2	6	36		0	51	balsam poplar & swamp aspen and swamp white birch	immature	N		30-39 years	0	
comnts Fmd : Stand was harvested back in the late 1960's to early 1970's. No cutting records. Cut shows on the 1978 photos but not on the 1964's. Regeneration is a real mix of species (white birch, yellow birch, balsam poplar, black ash, balsam, spruce). P3/E3/B3/. Scattered merchantable yellow birch, white birch, and balsam - left from the cut. Regeneration is 25-30 ft tall. Good yellow birch regeneration.														
72	S 6	S 2	12	80	7	120	34	black spruce-swamp	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : Thick, small diameter black spruce with some cedar tamarack and balsam. Good balsam understory in areas with open canopy. Very uniform, small diameters. Small pocket of cedar in the middle. Stand is mature but small diameters. Hold for 10 years for diversity due to the amount of spruce being prescribed in the immediate area along with the adjacent cuts.														
73	A 6	F 3	9	72	11	110	68	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
<u>Treatment Limiting Factors:</u>														
Adjacent landowner denies access Land survey needed														
comnts Fmd : Stand is mainly large, mature and overmature aspen with some balsam poplar, hard maple and soft maple. A few clumps of basswood. Thick F3 understory in most of the stand. Stand is located on a slope with a few drainages, fingers with "seepages" on the hillside. Slope appears to be manageable for harvesting. Care will have to be taken due to the number of drainages. Portions of the stand may need to be excluded from the harvest around these drainages. Harvest as much of the stand as possible without damage to the site. Large diameter aspen throughout. Stand is prescribed for final harvest. Access is through the private to the south and survey work is needed. If access is gained through the private, set up as a sale with stands 70, 78, and 84 (all will be accessed through private to the south). Management objective is aspen. McMillan fine sandy loam soil.														
Wld : leave a conifer component														

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
76	Q 3	Q 3	12	44		0	35	mixed swamp conifer	immature	N		40-49 years	0	
<p>comnts Fmd : Mix of black spruce, white birch, balsam, black ash, cedar and some tag alder. Occasional merchantable trees (1-2 sticks) - likely left after the 1962 harvest. Very thick stand. Good regeneration. Stand was cut in the early 1960's - shows as a very recent harvest on the 1964 photos. Carbondale, Lupton and Tawas muck.</p>														
78	M 6	M 2	18		10	120	55	northern hardwood	unevenaged	Y	selection	within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u>                      Adjacent landowner denies access                      Land survey needed</p> <p>comnts Fmd : Stand was partially harvested by stump diameter cut in 1974 (west half). Portions of the stand that were cut harder have good advanced regeneration with less quality in the overstory. Other parts of the stand have very little understory but very nice quality in the overstory. Decline in the red maple throughout the stand. Beech bark disease. Occasional yellow birch and black cherry. Stand is ready for harvest and prescribed for a selection cut. Areas with lower quality overstory and good advanced regeneration can be thinned to 60-70 basal area. Mark for a residual basal area of 80 on average in the areas with better overstory quality. Management objective of northern hardwoods. Access is from the south through the private land. Access could be limited. Survey work is needed also. Stand has a moderate slope to it but it is manageable (harvested in the past). Old road from previous cut should be used as a main skid trail but not as a haul road. If access is gained through the private, set up as one sale with stands 70, 73, and 84 (all accessed through private). Possible winter or dry summer month cutting restrictions due to the drainages and "seepages" within the stand along the hillside. McMillan fine sandy loam soil.</p> <p>Wld : leave a conifer component</p>														
79	Q 6	Q 3	27	68	8	80	36	mixed swamp conifer	low quality	N		20-29 years	0	
<p>comnts Fmd : Stand lies south of the railroad tracks. Very "patchy" with open areas of lower merchantable basal area but thicker understory. Wet, standing water in spots. Hemlock mixed in along the edge of the hardwoods stand (stand 84). Small diameters. Pockets of dead tamarack. Carbondale, Lupton and Tawas mucks.</p>														
80	Q 3	Q 3	6	44		0	35	mixed swamp conifer	immature	N		40-49 years	0	
<p>comnts Fmd : Mix of black spruce, white birch, balsam, black ash, cedar and some tag alder. Occasional merchantable trees (1-2 sticks) - likely left after the 1962 harvest. Very thick stand. Good regeneration. Stand was cut in the early 1960's - shows as a very recent harvest on the 1964 photos. Carbondale, Lupton and Tawas muck.</p>														
81	Q 5	Q 3	79	76	8	60	35	mixed swamp conifer	two aged	N		10-19 years	0	
<p>comnts Fmd : Mixed conifer stand with a good cedar component. Pockets of large diameter cedar. Areas of thicker, more advanced regeneration/understory with less of an overstory. Lots of variability to the stand, Q6 to Q4, C5 to Q5. Tamarack in the stand is mostly dead. Many parts of the stand are very thick. Parts of the stand are more of a spruce type. Possible to harvest the stand in 10 years of access is gained for limiting factored stands prescribed this entry year north of the railroad. Carbondale, Lupton and Tawas muck.</p>														
82	P 6	F 3	10	75	11	90	55	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u>                      Road needed (resources not presently available)                      Too wet</p> <p>comnts Fmd : Large diameter aspen, all pulp quality, limby and overmature over balsam, spruce and a few tamarack. Lowland (soil type) aspen out in the middle of the swamp conifer stand. Less quality and lower basal area in the souther portion of the stand. Access to the stand is very quesitonable due to the location. Multiple culverts needed and approx. 2 miles of winter road for access from the east. Private land and railroad to the south negates access from that direction, further limiting the access possibilities. Prescribed for final harvest with limiting factors. If access is gained, set up as one sale with stands 66, 67, 68, 83, and 87 (all limiting factor stands north of the railroad). Management objective of lowland aspen. Acceptable alternative management objective of lowland aspen mixed with swamp conifer.</p> <p>Wld : leave cedar</p>														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
83	P 6	F 3	3	75	11	90	55	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u>														
Road needed (resources not presently available)														
Too wet														
comnts Fmd : Large diameter aspen, all pulp quality, limby and overmature over balsam, spruce and a few tamarack. Lowland (soil type) aspen out in the middle of the swamp conifer stand. Access to the stand is very questionable due to the location. Multiple culverts needed and approx. 2 miles of winter road for access from the east. Private land and railroad to the south negates access from that direction, further limiting the access possibilities. Prescribed for final harvest with limiting factors. If access is gained, set up as one sale with stands 66, 67, 68, 82, and 87 (all limiting factor stands north of the railroad). Management objective of lowland aspen. Acceptable alternative management objective of lowland aspen mixed with swamp conifer.														
Wld : leave cedar														
84	M 6	M 3	14		10	120	55	northern hardwood	unevenaged	Y	selection	within 0-9 years	2	
<u>Treatment Limiting Factors:</u>														
Adjacent landowner denies access														
Land survey needed														
comnts Fmd : Stand is fairly nice hardwoods. Mix of red maple, sugar maple, with some yellow birch beech and basswood. Clumps of aspen along the north edge of the stand. Thinned in 1975 - old notes state by stump diameter cut. Overall quality of the overstory is good. Some nice pockets of sugar maple sawlogs. Some decline in the red maple throughout the stand. Beech bark disease. Stand is ready for harvest and prescribed for a selection cut with a residual basal area of 70 sq ft. Management objective of northern hardwoods. Present basal area of the stand is 110-120 sq ft. Manage the stand now with the adjacent stands because of access. Access is from the south through the private land. Access could be limited. Stand has a moderate slope to it but it is manageable (harvested in the past). West end of the stand may be difficult to manage due to the slope. If access is gained through the private, set up as one sale with stands 70, 73, and 84 (all accessed through private. Possible winter or dry summer month cutting restrictions due to the drainages and "seepages" within the stand along the hillside. McMillan fine sandy loam soil.														
Wld : leave a conifer component														
85	L 0	L 0	4			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Carbondale, Lupton and Tawas muck														
86	Q 5	Q 3	55	76	8	60	35	mixed swamp conifer	two aged	N		20-29 years	0	
comnts Fmd : Swamp conifer stand with lots of variability in size, heights, and density of the understory throughout the stand. Much of the tamarack in the overstory is dead (over 70%). More regeneration and thicker in those areas with less overstory. Pockets of Q6 and other pockets of Q4. Difficult to delineate between the areas. Type as one Q5 stand with lots of variability. Pockets of cedar. Carbondale, Lupton and Tawas mucks.														
87	P 6	P 2	24	58	10	70	57	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u>														
Road needed (resources not presently available)														
Too wet														
comnts Fmd : Lowland aspen stand. Open "center" of the stand ("L"). Edges of the stand have more tamarack where it transitions to the adjacent stands. Numerous dead spruce and tamarack throughout the stand, mainly west and south. Aspen appears to be fairly healthy, nice heights, good diameters. Mature. Access is very questionable due to the stand location. Multiple culverts and over 2 miles of winter road construction needed for access to the east. Private land and railroad negates access from the south. Prescribed for final harvest with limiting factors. If access is gained, set up as one sale with stands 66, 67, 68, 82, and 83 (all limiting factor stands north of the railroad). Management objective of lowland aspen. Acceptable alternative management objective of lowland aspen and mixed swamp conifer.														
Wld : leave any cedar														

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
88	T 5	Q 2	38	78	8	40	38	tamarack	low quality	Y		30-39 years	0	
<p><u>Treatment Limiting Factors:</u>                      Too wet                      Inferior quality</p> <p>comnts Fmd : Stand is in bad shape. Majority of the tamarack is dead or dying. Many areas have more dead tamarack than live tamarack. Spruce component is fairly healthy. Small creek through the southern portion of the stand.</p>														
89	T 3	D 0	19	36		0	45	tamarack	immature	N		50-59 years	0	
<p>comnts Fmd : Small diameter tamarack with some spruce and cedar. Bog type ground. Carbondale, Lupton and Tawas mucks.</p>														
90	Q 4	Q 2	29	76		30	27	mixed swamp conifer	low quality	N		not scheduled	0	
<p>comnts Fmd : Small creek runs through the stand.</p>														
91	Q 6	Q 2	24	82	7	120	37	mixed swamp conifer	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u>                      Delayed treatment for age/size class diversity                      Adjacent landowner denies access</p> <p>comnts Fmd : Stand is a mix of black spruce and cedar. Eastern 2/3 of the stand is mainly spruce while the western 1/3 is mostly cedar near the creek. Spruce is mature and healthy. Thick understory in spots. Leave for 10 years for diversity due to the amount of prescribed harvesting in the area. Private land limiting access is also a factor. If treated in 10 years, harvest only the eastern 2/3 of the stand with the spruce and leave the portion with more cedar as a separate cedar stand.</p>														
92	L 0	L 0	1			0		lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Carbondale, Lupton and Tawas muck</p>														
93	Q 4	L 0	12	59	7	30	34	mixed swamp conifer	low quality	N		30-39 years	0	
<p>comnts Fmd : Open "Q" type bordering on the "L" to the east. Small diameter white birch, black spruce and balsam poplar. Very wet, low quality.</p>														
94	X 0	X 0	11			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : County Road 415 Right of Way.</p>														
474	G 0	L 0	5			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Wet ground field/grass type. Stand has characteristics of both a "G" and an "L". Carbondale, Lupton and Tawas muck soils</p>														
475	G 0	L 0	4			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Wet ground field/grass type. Stand has characteristics of both a "G" and an "L". Carbondale, Lupton and Tawas muck soils</p>														
477	G 0	L 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Wet ground field/grass type. Stand has characteristics of both a "G" and an "L". Carbondale, Lupton and Tawas muck soils</p>														

Total Acres..... 3381