

* 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								
1	W 9	F 3	52	18	90	58	white pine	unevenaged	N			not scheduled	0	
<p>comnts Fmd : Was commercially cut in past by Unto Makela, and perhaps by Parks Division as well. Currently in 2007, this is a healthy stand, very little merchantable pulpwood understory to support any harvest. Most of spruce/fir is only one or two stick. Hold for now and grow the understory. Past cutting resulted in very little pine regeneration, - a trace along the roads. Needs more site disturbace or a prescribed burn post sale. Quite a rocky site with glacial boulders. See stand 91 - this was a success story for regenerating pine. Following is the sale history of this area (stand 1 & 31) as well as I can determine it: Art (Bocker) Antilla of Republic first issued permit #8/60A in March 1960 for NWNW of Sec 23 to cut marked pine & white spruce as well as pulpwood species. Permit closed Dec 1962 with comment "no market for aspen". This was followed by two permits issued to Parks Division for cutting marked pine & white spruce for milling at Camp Baraga sawmill to make picnic table stock, etc. These were permits #1/64 and 37/64 for cutting in the winters of 1963-64 and 1964-65 with inmate labor from Camp Baraga Prison Camp. This was followed by a commercial sale issued in May 1967 to Makela Forest Products, Inc. of Negaunee, permit #11/67A which wasn't completed until June of 1970 on 130 acres which included the N1/2NW of Sec 23. They were to cut in addition to marked pine, all merchantable aspen, birch, maple, fir, and spruce. This also was a scale sale. On the sale proposal for this last sale, it mentions that there is a lot of spruce/fir reproduction already established in 1967.</p> <p>Wld : Located in the NW1/4 of Sec 23.</p>														
2	Q 5	Q 1	42	7	50	44	mixed swamp conifer	unevenaged	N			not scheduled	0	
<p>Wld : Located in the S1/2NW of Sec 23.</p>														
3	A 3	F 2	55	23	4	30	55 aspen (upland)	immature	N			30-39 years	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit # 5-79A, cut by Holli Forest Products, Inc. between 1982-87. Not sure of date of completion, but this sale was only cut during winter months with a network of frozen road access, much of which was in the lowland or swamp areas. This stand was typed as "F5 A5 W8 R8" prior to cutting. Essentially all pulpwood species were cut with one or more sticks, and only marked red & white pine were cut. Currently the stand has F3 inclusions and pine sawlogs scattered throughout.</p> <p>Wld : Located in the SENW & S1/2NE of Sec 23.</p>														
4	A 3	F 2	50	21	4	30	55 aspen (upland)	immature	N			30-39 years	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit # 5-79A, cut by Holli Forest Products, Inc. between 1982-87. Not sure of date of completion, but this sale was only cut during winter months with a network of frozen road access, much of which was in the lowland or swamp areas. This stand was typed as "F5 A5 J4 W7 R7" prior to cutting. Essentially all pulpwood species were cut with one or more sticks, and only marked red & white pine were cut. Currently the stand has F3 inclusions and pine sawlogs scattered throughout.</p> <p>Wld : Located in the N1/2NE of Sec 23, for the most part.</p>														
5	A 3	F 2	22	21	4	30	55 aspen (upland)	immature	N			30-39 years	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit # 5-79A, cut by Holli Forest Products, Inc. between 1982-87. Not sure of date of completion, but this sale was only cut during winter months with a network of frozen road access, much of which was in the lowland or swamp areas. This stand was typed as "F5 A5 J4 W7 R7" prior to cutting. Essentially all pulpwood species were cut with one or more sticks, and only marked red & white pine were cut. Currently the stand has F3 inclusions and pine sawlogs scattered throughout.</p> <p>Wld : Located in the W1/2NW of Sec 24, east of ELF row.</p>														
6	R 7	F 2	5	15	30	62	red pine	unevenaged	N			30-39 years	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit # 5-79A, cut by Holli Forest Products, Inc. between 1982-87. Not sure of date of completion, but this sale was only cut during winter months with a network of frozen road access, much of which was in the lowland or swamp areas. This stand was typed as "F5 A5 W7 R7" prior to cutting. Essentially all pulpwood species were cut with one or more sticks, and only marked red & white pine were cut. Currently the stand has both pine and spruce/fir and aspen regeneration beneath the pine overstory. This stand is located on a ridge or hilltop.</p> <p>Wld : Located in the SENE of Sec 23, west of ELF row.</p>														

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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	Tot. BA								
7	Q 5	Q 2	20	72	6	40	38	mixed swamp conifer	sparse	N		not scheduled	0	
<p>comnts Fmd : Swamp is of greater value for wildlife cover at this time.</p> <p>Wld : Located in the NWNW Sec 24.</p>														
8	A 6	F 2	10	83	8	80	60	spruce-fir (uplands-including upland black spruce)	high risk	Y	final harvest	within 0-9 years	2	
<p>comnts Fmd : Final harvest with Reserves. Could be considered a removal also since we are releasing fir seedlings. This stand is essentially a hill or ridge in the center (with rock), and it was hit by severe windthrow in past decade. High risk for what is left. It's a tossup what to feature for a cover type from what's left (aspen & red maple came up a tie). Upland conifer will be the future stand since seedlings are now abundant, but a component of aspen and pine will not be unwelcome. Stand can be accessed from three sides (omitting the private east side). However, combine with stand #9 for sale purposes to make cutting more commercially feasible. Not a stand alone sale. Retention: leave red & white pine, OAK, CHERRY, BLACK & white spruce, and a few birch for aesthetics where appropriate. Not much else available.</p> <p>Wld : Leave 30 foot wide fringe of trees around perimeter of forest opening (stand 407). Retain all trees south of the 2-track leaving stand 407 and extending through this stand (this will provide buffer adjacent to waterbody). Leave all oak, cherry, white pine, red pine, black spruce and white spruce. Leave several white birch and red maple per acre, across breadth of stand. Where areas of stand are heavy to white birch, leave a higher density of white birch for habitat considerations. Located in the NWSW of Sec 24 for the most part.</p>														
9	R 9	F 2	40		16	70	60	red pine	high risk	N	shelterwood-seed	within 0-9 years	1	
<p>comnts Fmd : Shelterwood-seed with reserves. Cover type is somewhat misleading (averages red & white pine together) in that the stand is not uniform throughout. Pine is heaviest in the south and east part. We have lost a significant volume of the non-pine component to mortality and windthrow in the last decade, which is to be expected considering this is one of the last stands to be cut in this area. For example, most of the aspen is now down in this stand. Birch is dying out. The high risk coding thus applies to the non-pine component - if we wait 10 yrs, there won't be anything to cut. I don't foresee cutting much pine except for high risk trees and thinning the heaviest patches where it would improve spacing and crown release. Where the stand has been opened up, fir regen has taken over being F2 to F3 in places. Where pine is lacking, we should allow this fir to carry through to maturity, but in areas of heavier pine, we should consider a post-sale burn if natural seeding of pine is not adequate. Thus portions of this stand may be considered for prescribed burn after cutting. Stand #10 to the north does have significant red pine regen in places esp. on skid roads. Lastly, rock and boulders are not lacking in this stand. For retention, there are trace species which could be left, such as oak, cherry, white spruce, yellow birch, ironwood, etc.. CUT IN WINTER.</p> <p>Wld : Leave some scattered white birch and red maple across breadth of stand. Leave all oak, cherry, hemlock, cedar, white spruce, black spruce, and white pine. Located in the SWNE & NWSE of Sec 24.</p>														
10	F 3	F 3	47	5	1	30	63	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
<p>comnts Fmd : Stand was commercially cut in Fall of 2002 by St. John Forest Products (Oro Logging) permit #105-99-01. This was a shortwood operation. All oak, cherry, cedar, hemlock, ash, and yellow birch was left (these being trace species in this sale). Only marked (high risk trees) red & white pine was cut. A significant number of residual pine sawtimber trees remained (generally in small patches, but some scattered individuals also) following the cut, and now in 2007 there has been seeding of red pine in sites such as skid trails and haul roads where mineral soil was exposed. The regeneration is currently in 2007 made up of advance spruce/ fir left behind after logging, newly seeded spruce, fir, & pine, red maple stump sprouts, and some aspen seedlings in open areas. Cover type is a generalization of "F3" but is actually a mixture of species. In future yrs with new imagery, a separation of smaller cover types stands will probably become more evident. Access to this sale was from the east side in two places: One at the very southeast corner of the stand & the other from the grass field stand #11 just south of small swamp stand #37.</p> <p>Wld : Located in the W1/2NE of Sec 24.</p>														
11	A 3	F 2	48	15	2	10	65	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in the winter of 1991-92 by T&T Logging (Earl St. John) under permit # 36-89, "Old Homestead Block". All red & white pine, cedar, and 1 & 2 stick spruce was left. Currently in 2007, this is a mixture of aspen, spruce/fir, and red maple stump sprouts, as well as scattered red & white pine sawtimber.</p> <p>Wld : Located in the NENE of Sec 24.</p>														

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12	Q 6	Q 1	8		7	70	28	mixed swamp conifer	unevenaged	N		not scheduled	0	
<p>comnts Fmd : Stand runs heavier to cedar. Currently provides good wildlife cover as both high grounds on either side have been cut.</p> <p>Wld : Located in the SENE & NESE of Sec 24.</p>														
13	R 8	F 2	32		14	40	60	red pine	unevenaged	N		50-59 years	0	
<p>comnts Fmd : Was commercially cut in 2002 by Oro Logging (St.John Forest Products, Inc.) under permit #105-99-01, "Old Homestead Sale". This was a shortwood operation. Reserve trees were all oak, cherry, cedar, hemlock, ash, and yellow birch. Only marked red & white pine were cut. Currently has spruce/fir regen, red maple stump sprouts, some aspen saplings, some red & white pine seedlings where the ground was most disturbed, eg. on skid trails, etc.</p> <p>Wld : Located in the NESE of Sec 24 for the most part.</p>														
14	J 3	J 3	18	13	2	30	58	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in winter of 1991-92 by T&T Logging (Earl St.John) under permit # 36-89, "Old Homestead Block". Red & white pine was left as well as cedar and 1 & 2 stick spruce. For aesthetics we also left all birch and maple. Site was too rocky to disk trench so we went with natural regeneration, and now in 2007 jack pine has become the dominant specie being most numerous in the west half and south facing slope dropping towards creek bottomland. There are residual trees as well (scattered red & white pine, birch & maple, and spruce/fir). The northern swamp edge is heavier to spruce/fir regen and the eastern half of stand as well. The grass openings have been seeding in to conifers.</p> <p>Wld : Located in the SE1/4 of Sec 24.</p>														
15	F 3	F 3	25	15	2	30	55	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
<p>comnts Fmd : Was cut commercially in the winter of 1991-92 by Holli Forest Products, Inc. under permit # 037-89-01 TV-13 Access Block". A frozen winter road of about 1/4 mile was used to access this sale from the southeast off of the TV 13 road (see map). This avoided crossing the bridge over West Branch Creek. Permission was also obtained to cross the private NENE of Sec 25. All red & white pine was left as well as 1 & 2 stick spruce. Currently in 2007 this stand is a mixture of spruce/fir of various sizes, aspen saplings, and some pine seedlings/saplings (jack, red , & white). Overall it can be considered an upland conifer stand but is a mixture. Also it has sawtimber size residual red & white pine (mostly white pine) that are more or less situated in patches, seemingly heaviest in the north near the creek bottom edge. Note: See sale map - an uncut buffer of at least 100 ft was left along the creek bottom edge.</p> <p>Wld : Located in the S1/2SE of Sec 24.</p>														
16	R 9	F 3	13		15	80	56	spruce-fir (uplands-including upland black spruce)	unevenaged	N	removal	within 0-9 years	3	
<p>comnts Fmd : Removal cut with Reserves. Stand is difficult to get to being surrounded by swamps and creeks. Within the last decade, the stand suffered severe windthrow of the understory species and much of the spruce/fir is down. Birch is dying out. The pine weathered the wind quite well. Hardest hit was the north part, but fir seedlings 1 to 2 feet tall are abundant among the blowdown and will restock the openings. The swamp edges have the better timber at present. We will leave most of the pine, marking some high risk trees. However, because of the windthrow making the remaining timber volume marginal for a commercial operation, and the difficult access, - this stand should be a low priority sale. Can be cut if timber demand supports it. Could freeze a road across swamp stand #50 from the east (no creek to cross). Also could freeze a road from south from stand 25 but this would be a longer swamp road. With a portable bridge, we could come across creek from north stand #19. I used "F" as the mgt objective simply because all the regeneration on the ground now will develop into an "F" type in the future with a pine overstory component. Pine won't restock the area without a disturbance to scarify the soil, or a fire. Some pine will follow if we log here, but it will be a winter job. Method of cut is "removal" because we will be removing most of the overstory (except for the pine) from above the new spruce/fir regeneration resulting from the windthrow. Need at least 100 ft buffer along creeks.</p> <p>Wld : Leave all oak, cherry, white spruce, black spruce, hemlock, cedar, and white pine. Located in the SWSW of Sec 24, & N1/2NW of Sec 25.</p>														

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					D B	Tot. BA								
17	R 9	F 2	4	15	80	63	red pine	old growth (potential or actual)	N		not scheduled	0		
<p>comnts Fmd : SCA stand, riprarian buffer as well as aesthetic value. Stand consists of a small hill in center of stand sloping down in all directions. Spruce/fir understory is from 2 to 5 inch diameter, not seedlings. See comment under stand 74 for history of cutting here (1970-75).</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the NWSW of Sec 24.</p>														
18	S 5	S 2	7	76	7	40	37	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : This stand was within the permit area for Clarence Antilla scale sale permit #21/70A which he cut between 1970-75, but I'm not sure how much timber was actually cut from this stand, perhaps the edges were cut.</p> <p>Wld : Located in the SWSW of Sec 24.</p>														
19	F 3	F 3	10	32	3	20	59	spruce-fir (uplands-including upland black spruce)	immature	N		20-29 years	0	
<p>comnts Fmd : Was commercially cut between 1970-75 by Clarence Antilla of Republic under permit #21/70A. A scale sale. All merchantable aspen & birch were to be cut, as well as all jack pine 8 inch & larger in stump diameter. Also all fir 2 stick & larger, all black spruce 3 stick & larger, and all white spruce 12 inch & larger in stump diameter. Also all marked red & white pine. Presently in 2007, this stand is thick with spruce/fir regeneration, 2 to 4 inch dbh, up to 30 ft tall or so. Scattered merchantable size spruce/fir that were probably advance regen left when this stand was cut. A trace of white pine, large sawtimber wildlife trees and a few jack pine.</p> <p>Wld : Located in the SWSW of Sec 24, east of ELF row.</p>														
20	S 5	F 1	30	90	7	60	37	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones Water quality/bmps</p> <p>comnts Fmd : SCA stand, riprarian buffer. Sort of a long, narrow swamp situated east-west and bordering the high land stand #25. As always, the better timber is adjacent to the high land. Remainder is of marginal commercial vlaue. Mostly black spruce, tamarack, and alder but I did find cedar along the Skinnies Lake outlet creek (about 4 ft wide). In the last entry period around 1997, there was an area of flooded timber near the center of the NW1/4 (beaver related).</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the N1/2 of Sec 25.</p>														
21	S 3	S 3	10	33	3	0	28	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Stand gives the impression that this was once a pond that grew over with a bog and then went from a treed bog to what is present today. A slow process of becoming a spruce swamp.</p> <p>Wld : Located in the W1/2SW of Sec 25.</p>														
22	B 5	Q 2	19	80	8	50	54	paper birch	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Too wet Bridge needed (portable bridge not available or inadequate) Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : Majority of this stand is swamp (has a creek passing through it flowing northerly). This is a marginal timber sale opportunity area due to swampy terrain, difficult access & operability. Birch is dying out and fir was hit by budworm in the past. Some outcrop highland exists in the east end. Was part (Unit #5, 18.3 acres) of a larger sale to the east in 2000, sale #106-99-01, "Skinnies Lake Sale" (see sale map), but was not cut due to wet conditions and problems freezing a winter road. It is a very poor chance as a stand alone sale. Priority 3. Long term objective would be something other than birch - swamp conifers most likely. West end looks really poor, like it was flooded at one time and suffered some mortality from this. LEAVE A 100 FOOT BUFFER ALL ALONG THE CREEK.</p> <p>Wld : Located in the S1/2NW of Sec 25, north of ELF row.</p>														

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					D B H	Tot. BA								
23	S 6	S 2	49	76	6	80	40	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Variable stocking from one area to another. A trace of cedar & birch. Overall, I found a lot of submerchantable diameter spruce in this stand (some small patches look better), and thus I recommend holding this stand until more of these small diameter stems become of commercial size.</p> <p>Wld : Located in the SW1/4 of Sec 25, excluding SESW.</p>														
24	S 6	S 1	4	96	8	100	38	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Influence zones Water quality/bmps Potential or designated old growth</p> <p>comnts Fmd : SCA stand. Riparian buffer along Skinnies Lake outlet creek.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the SENW of Sec 25 for the most part.</p>														
25	F 3	F 3	27	7	1	20	56	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercially seed tree cut in Fall/winter of 2000 by Ken Lanaville (RLR Inc.) permit #106-99-01, "Skinnies Lake Sale". Only marked red & white pine was cut, and marked birch seed trees were left. Currently in 2007, area has regenerated with spruce/fir, some jack pine and red & white pine seedlings in places, also red maple stump sprouts and some aspen saplings. Only a trace of birch. Thus I have typed it as upland conifer, to be updated if future imagery shows distinct cover types evolving.</p> <p>Wld : Located in the S1/2NE, N1/2SE, and SENW of Sec 25, north of ELF row.</p>														
26	R 8	R 2	64		16	50	60	red pine	unevenaged	N		not scheduled	0	
<p>comnts Fmd : Was commercially cut (thinning) in Fall/Winter of 2000 by Ken Lanaville (RLR Inc.) under permit #106-99-01, "Skinnies Lake Sale". Access across short neck of swamp (with a new road) in extreme southeast corner of sale. Private landowner denied access across his land on high ground. Oak, cherry, & cedar was left, and only marked red & white pine was cut. Birch seed trees were also left. Stand in 2007 has residual advance spruce/fir regeneration (somewhat in patches) , plus significant red pine seedlings heaviest in the skid trails. Also new spruce, fir, jack pine, and white pine seedlings as well as red maple stump sprouts.</p> <p>Wld : Located in the S1/2NE & N1/2SE of Sec 25, north of ELF row.</p>														
27	S 6	S 1	34	70	7	80	42	black spruce-swamp	immature	N		20-29 years	0	
<p>comnts Fmd : Stand appears healthy, very little blowdown. Has a few scattered remnants of old growth spruce and some larger tamarack. Has some small high ground inclusions which are like islands or narrow low ridges, situated mostly east-west. The north one has older jack pine on it and functions currently to provide diversity, etc. A southern ridge is located north of the 1/4 corner. Trace of birch in stand but mostly noncommercial. Labrador tea ground cover.</p> <p>Wld : Located in the SENE of Sec 25 for the most part.</p>														
28	D 0	D 0	23			0	24	treed bog	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Treed bog. Black spruce & tamarack somewhat stunted on marginal site.</p> <p>Wld : Located in the NWNE of Sec 25 for the most part.</p>														

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					D B	Tot. BA								
29	L 0	L 0	17			0	23	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA stand. Riparian buffer. The center of this stand was a central landing site for the "Sleighrunner Sale" and also a confluence of roads or sort of the "hub of a wheel".</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the SWNE and NENW of Sec 23 for the most part.</p>														
30	S 2	S 2	4		2	0	20	black spruce-swamp	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA stand. Part of riparian buffer system.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the SWNE of Sec 23.</p>														
31	W 9	F 3	20		18	70	58	white pine	unevenaged	N		not scheduled	0	
<p>comnts Fmd : Was commercially cut in past by Unto Makela, and perhaps by Parks Division as well. Currently in 2007, this is a healthy stand (some windthrow along northern fringe), very little merchantable pulpwood understory to support any harvest (does have more aspen/birch/maple then stand #1). Most of spruce/fir is only one or two stick. Aspen & birch dying out. Hold for now and grow the understory. Makela's cut resulted in very little pine regeneration. Needs more site disturbace or a prescribed burn post sale. Quite a rocky site with glacial boulders, some rock outcrop or hills. See stand 91 - this was a success story for regenerating pine. Also, monitor Jim Carey's cut of the adjacent stand to the north. I didn't see much pine regen there. Note: See comments for stand #1 for logging history here.</p> <p>Wld : Located in the NENW of Sec 23 for the most part.</p>														
32	R 8	F 1	20		14	60	64	red pine	unevenaged	N		20-29 years	0	
<p>comnts Fmd : Was commercially cut (thinning) in summer of 2000 by Ken Lanaville (RLR Inc.), under permit #104-99-01, "Petcuson Lake Sale". Shortwood operation. All oak was left and only marked pine was cut. Any other species such as maple, birch, & aspen could be cut as long as it had a merchantable stick of pulpwood. No cutting was allowed within 50 ft of Petcuson Lake.</p> <p>Wld : Located in the NENW of Sec 22.</p>														
33	A 6	F 1	16	34	6	70	70	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Permit #20/69 was issued to Ray Heilala from Republic in June 1969 and closed in March 1971 on about 15 acres. He was to cut all merchantable aspen, birch, jack pine, & fir plus some marked pine. Comment said he failed to cut all merchantable aspen. Another permit was issued to Clarence Antilla of Republic in May 1973 & completed in Feb 1975, for cutting aspen on 10acres. This apparently finished it up. In 2007, terrain is somewhat rugged in places, ridges and potholes. Scattered red pine sawlogs in stand as well. Just for the record, we had an FTP #F-146 for cutting residual hdwd manually on 23.5 acres, removing about 27 sq.ft/acre of basal area. Was put out on bids and completed in April, 1975 by contractor - Joel Frizzell.</p> <p>Wld : Located in the NENW of Sec 22.</p>														
34	F 6	F 2	11	61	9	80	60	spruce-fir (uplands-including upland black spruce)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Adjacent landowner denies access</p> <p>comnts Fmd : Primarily upland conifer type with some scattered pine sawlogs and some birch. Access is across private land. Birch dying out and some windthrow present in conifer. See locked box comment.</p> <p>Wld : Located in the NWSW of Sec 22 (also described as Gov Lot 2).</p>														
35	Q 4	S 2	7		5	20	25	mixed swamp conifer	unevenaged	N		not scheduled	0	
<p>comnts Fmd : C4-2,S4-2, some larger trees along edge of high ground. Good wildlife cover at present.</p> <p>Wld : Located in the NWSW of Sec 22 (also described as Gov Lot 2).</p>														

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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								
36	S 5	S 2	2	73	6	50	32	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Small swamp on west boundary of Sec 23, provides more benefit to wildlife than timber value. Some larger spruce on edge of high ground. Note that 1/16th corner (iron pipe & cap) is located south of this stand at the ridge top and actually about 30 ft south of and old east-west trail road probably built by Art Antilla circa 1960. Swamp road frozen access road along east side of this stand was built by Holli when cutting the Sleighrunner sale 1982-87.</p> <p>Wld : Located in the NWNW of Sec 23.</p>														
37	S 4	S 3	4	73	6	30	32	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : This small spruce swamp was left when the surrounding high ground was cut in 2002 to provide wildlife cover and visually break up the cutting.</p> <p>Wld : Located in the NWNW of Sec 24.</p>														
38	F 6	F 2	2	71	8	70	54	spruce-fir (uplands-including upland black spruce)	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p> <p>comnts Fmd : A small island of high ground surrounded by swamp. Not practical as a stand alone sale and it requires winter access.</p> <p>Wld : Located in the NWNW of Sec 24.</p>														
39	F 3	F 3	3	21	3	10	54	spruce-fir (uplands-including upland black spruce)	immature	N		30-39 years	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit # 5-79A, cut by Holli Forest Products, Inc. between 1982-87. Not sure of date of completion, but this sale was only cut during winter months with a network of frozen road access, much of which was in the lowland or swamp areas. This stand was typed as "F5 A4 W7 R7" prior to cutting. Essentially all pulpwood species were cut with one or more sticks, and only marked red & white pine were cut. Most probably has a mixture of conifer and aspen regen. Treat with larger acreage to the north in adjacent cmpt #223.</p> <p>Wld : Located in the NWNW of Sec 24, for the most part.</p>														
40	S 5	S 2	2	73	6	40	38	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : A small patch of swamp that was left for wildlife purposes when high ground to the northeast was cut in 2002.</p> <p>Wld : Located in the SWNE of Sec 24, west edge of forty.</p>														
41	A 3	F 2	7	15	2	0	65	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in the winter of 1991-92 by T&T Logging (Earl St.John) under permit # 36-89, "Old Homestead Block". All red & white pine, cedar, and 1 & 2 stick spruce was left. Currently in 2007, this is a mixture of aspen, spruce/fir, and red maple stump sprouts, as well as scattered red & white pine sawtimber.</p> <p>Wld : Located in theSENE of Sec 24, for the most part, next to grass fields.</p>														
42	F 3	F 3	15	15	2	20	60	spruce-fir (uplands-including upland black spruce)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in the winter of 1991-92 by T&T Logging (Earl St.John) under permit # 36-89, "Old Homestead Block". All red & white pine, cedar, and 1 & 2 stick spruce was left. Currently in 2007, this is a mixture of aspen, spruce/fir, and red maple stump sprouts, as well as scattered red & white pine sawtimber.</p> <p>Wld : Located in the SENE of Sec 24.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	Tot. BA								
44	F 3	F 3	3	15	2	30	55	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
<p>comnts Fmd : Was cut commercially in the winter of 1991-92 by Holli Forest Products, Inc. under permit # 037-89-01, " TV-13 Access Block". A frozen winter road of about 1/4 mile was used to access this sale from the southeast off of the TV 13 road (see map). This avoided crossing the bridge over West Branch Creek. Permission was also obtained to cross the private NENE of Sec 25. All red & white pine was left as well as 1 & 2 stick spruce. Currently in 2007 this stand is a mixture of spruce/fir of various sizes, aspen saplings, and some pine seedlings/saplings (jack, red , & white). Overall it can be considered an upland conifer stand but is a mixture. Also it has sawtimber size residual red & white pine (mostly white pine) that are more or less situated in patches, seemingly heaviest in the north near the creek bottom edge. Note: See sale map - an uncut buffer of at least 100 ft was left along the creek bottom edge.</p> <p>Wld : Located in the SWSE of Sec 24.</p>														
45	S 3	S 3	5	58	3	10	30	black spruce-swamp	unevenaged	N		not scheduled	0	
<p>comnts Fmd : Primarily submerchantable size black spruce but it has a component (S4-3) of merchantable size poles, 5 - 6 inch dbh of poor stocking. Thus it is not a seedling size stand. Slow growing of marginal site vigor.</p> <p>Wld : Located in Sec 25 at the 1/4 corner between Sec 24 & 25.</p>														
46	A 3	F 2	9	15	1	0	56	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Stand was commercially cut in 1992 by Holli Forest Products, Inc. under permit #037-89-01 "TV-13 Access Block". A frozen winter road was used to cross swamp about 1/4 mile to access from the southeast via TV-13 tower road. See sale map. All red & white pine was left as well as 1 & 2 stick spruce. With permission, Holli also crossed the private forty NENE of Sec 25 owned by Paul & son Lowell Hintsala. Currently in 2007 this stand is dominated by aspen saplings, but also has a significant component of spruce/fir and jack pine. Conifers are most prevalent along the swamp edges. From this stand, a road could be frozen westward across a narrow swamp to reach stand 16.</p> <p>Wld : Located in the NENW of Sec 25.</p>														
47	Q 5	Q 2	23		6	60	30	mixed swamp conifer	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : SCA stand. Riprarian buffer. I believe at least a portion of this stand was flooded by beaver as late as the early 1990's. More cedar present in the north end. Stocking ranges from well stocked in places to poorly stocked.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the W1/2NW of Sec 25.</p>														
48	L 0	L 0	19		0	0	24	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Stand consists of the abandoned ELF cleared right of way in the swampy portions of Sec 25. A little high ground near W1/4 corner of Sec 25, but it doesn't extend very far eastward.</p> <p>Wld : Located in the W1/4 of Sec 25 & the SENW.</p>														
49	S 3	S 3	8		0	20	28	black spruce-swamp	unevenaged	N		not scheduled	0	
<p>comnts Fmd : Stand on eastern edge of forty. Resembles a treed bog in places. S1/16th corner in stand. Minerick cut a tamarack stand east of this stand in winter of 2006, access from TV-13 Tower road.</p> <p>Wld : Located in the NWSE of Sec 25 for the most part.</p>														
50	S 4	S 2	14	68	7	40	32	black spruce-swamp	sparse	N		not scheduled	0	
<p>comnts Fmd : Of marginal commercial value but better than a treed bog. Alder is a component here. Could freeze a road across to reach stand #16 to the west. Good rabbit habitat (or rabbitat).</p> <p>Wld : Located in the NENW of Sec 25 for the most part.</p>														

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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								
51	S 5	Q 2	9	77	8	50	38	black spruce-swamp	mature	N		not scheduled	0	
<p>comnts Fmd : Majority of this stand is swamp (has a creek passing through it flowing northerly). This is a marginal timber sale opportunity area due to swampy terrain, difficult access & operability. Birch is dying out and fir was hit by budworm in the past. Some outcrop highland exists in the east end. Was part (Unit #5, 18.3 acres) of a larger sale to the east in 2000, sale #106-99-01, "Skinnies Lake Sale" (see sale map), but was not cut due to wet conditions and problems freezing a winter road. It is a very poor chance as a stand alone sale. Priority 3. Dean is familiar with this sale. Long term objective would be something other than birch - swamp conifers most likely.</p> <p>Wld : Located in the S1/2NW and N1/2SW of Sec 25, south of ELF row.</p>														
52	L 0	L 0	10		0	0	24	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : West branch Creek bottomland, alder & traces of conifer.</p> <p>Wld : Located on northern fringes of N1/2NE of Sec 24.</p>														
53	S 2	S 2	5	15	1	0	42	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : This is a lowland drainage located immediately south of CoRd FFH and FFI. It has a medium stocking of a mixture of species: black spruce, tamarack, fir, jack pine, balsam, etc. Portions are semi-highland or swamp edges. It was commercially cut in the winter of 1991-92 by T & T Logging (St. John Forest Products, Inc.), under permit #36-89-01, "Old Homestead Block". All red & white pine was left as well as all cedar and 1 & 2 stick spruce. For aesthetics, all birch & maple was left as well.</p> <p>Wld : Located in the N1/2SE of Sec 24.</p>														
54	L 0	L 0	1		0	0	24	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Narrow east-west strip of alder with a trace of conifer, surrounded by Stand #10.</p> <p>Wld : Located in the NWNE of Sec 24.</p>														
55	S 5	S 2	6		6	50	35	black spruce-swamp	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA stand as covered by previous entry yr map. Connected to a riparian buffer, Variable stand, heaviest spruce stocking in south end. Alder component in places.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, and birds. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the SESE of Sec 24.</p>														
56	L 0	L 0	25		0	0	24	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA stand. Riparian buffer. Lowland creekbottom - alder, marsh grass, etc.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Allow to function intact as important component of natural watershed. Located in the S1/2SE of Sec 24.</p>														
57	L 0	L 0	31		0	0	24	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA stand. Riparian buffer for Skinnies Lake outlet creek. Last entry this was stand 57 & 66, but I could discern this type on the newer imagery as following the creek and being one stand. Actually, the creek flows out of the 3 acre spring-fed pond west of Skinnies Lake, but I assumed Skinnies Lake feeds this same discharge of water, if not on the surface, then perhaps beneath the surface.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Allow to function intact as important component of natural watershed. Located in the SWSW of Sec 24, W1/2NW of Sec 25, SENW & NWSE of Sec 25.</p>														

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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								
58	F 3	F 3	6	15	2	40	55	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
<p>comnts Fmd : Was cut commercially in the winter of 1991-92 by Holli Forest Products, Inc. under permit # 037-89-01 TV-13 Access Block". A frozen winter road of about 1/4 mile was used to access this sale from the southeast off of the TV 13 road (see map). This avoided crossing the bridge over West Branch Creek. All red & white pine was left as well as 1 & 2 stick spruce. Currently in 2007 this stand is a mixture of spruce/fir of various sizes, aspen saplings, and some pine seedlings/saplings (jack, red , & white). Overall it can be considered an upland conifer stand but is a mixture. Also it has sawtimber size residual red & white pine (mostly white pine) that are more or less situated in patches, seemingly heaviest in the north near the creek bottom edge. Note: See sale map - an uncut buffer of at least 100 ft was left along the creek bottom edge.</p> <p>Wld : Located in the SESE of Sec 24.</p>														
59	L 0	L 0	8		0	0	24	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA stand. Riparian buffer. Lowland creekbottom - alder, marsh grass, etc.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Allow to function undisturbed as important component of natural watershed. Located in the NWSW of Sec 24, north of road.</p>														
60	L 0	L 0	2		0	0	24	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : On the western side of that forty and south of CoRd FFH. Also has a trace of conifers and may eventually be taken over by conifers.</p> <p>Wld : Located in the NWSE of Sec 24.</p>														
61	L 0	L 0	5			0	23	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA stand. Riparian buffer. Creek flowing southeasterly.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Allow to function undisturbed as important component of natural watershed. Located in the SENE of Sec 23 for the most part.</p>														
62	S 2	S 2	4	20	2	0	32	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit #5-79A, cut by Holli Forest Products, Inc. between 1982-87. This sale was only cut during the winter months with a network of frozen road access. This was Area or unit 5 of that sale, previously typed as S6. All spruce, fir, and tamarack were cut with at least one stick, but no cedar was cut here. Presently in 2007, there is at least a medium stocking of mostly black spruce, with lesser amounts of fir, tamarack, red & white pine. I had expected more fir, and was surprised by the red & white pine. The yr of origin may not perfectly coincide with the year it was cut, since some of the regen may have been an understory of seedlings at the time, which were released by the cutting. Very little tag alder present.</p> <p>Wld : Located in the SWNW of Sec 23.</p>														
63	F 3	F 3	5	7	1	20	56	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercially seed tree cut in Fall/winter of 2000 by Ken Lanaville (RLR Inc.) permit #106-99-01, "Skinnies Lake Sale". Only marked red & white pine was cut, and marked birch seed trees were left. Currently in 2007, area has regenerated with spruce/fir, some jack pine and red & white pine seedlings in places, also red maple stump sprouts and some aspen saplings. Only a trace of birch. Thus I have typed it as upland conifer, to be updated if future imagery shows distinct cover types evolving.</p> <p>Wld : Located in the NWSE of Sec 25, south of ELF row.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H	Tot. BA							
64	W 8	F 2	16	16	50	60	white pine	unevenaged	N		not scheduled	0	
<p>comnts Fmd : Was commercially cut (thinning) in Fall/Winter of 2000 by Ken Lanaville (RLR Inc.) under permit #106-99-01, "Skinsies Lake Sale". Access across short neck of swamp (with a new road) in extreme southeast corner of sale. Private landowner denied access across his land on high ground. Oak, cherry, & cedar was left, and only marked red & white pine was cut. Stand in 2007 has residual advance spruce/fir regeneration (somewhat in patches) , plus significant pine seedlings heaviest in the skid trails. Also new spruce, fir, jack pine, and white pine seedlings as well as red maple stump sprouts. It is difficult to say whether red or white pine is most numerous - it's a mixture of both. Small clearcut area on extreme east end is fully stocked with pine & spruce/fir seedlings.</p> <p>Wld : Located in the NESE of Sec 25, south of ELF row.</p>													
66	L 0	L 0	3	0	0	24	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA stand. Riprarian buffer. Alder creek bottomland. Small tributary creek flows southeasterly through stand.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Allow to function undisturbed as important component of natural watershed. Located in the W1/2NW of Sec 24.</p>													
67	A 3	F 2	36	21	4	30	55 aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit # 5-79A, cut by Holli Forest Products, Inc. between 1982-87. Not sure of date of completion, but this sale was only cut during winter months with a network of frozen road access, much of which was in the lowland or swamp areas. This stand was typed as "F5 A5 J4 W7 R7" prior to cutting. Essentially all pulpwood species were cut with one or more sticks, and only marked red & white pine were cut. Currently the stand has F3 inclusions and pine sawlogs scattered throughout.</p> <p>Wld : Located in the E1/2NE of Sec 23, west of ELF row.</p>													
68	R 7	F 2	12	15	30	62	red pine	unevenaged	N		30-39 years	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit # 5-79A, cut by Holli Forest Products, Inc. between 1982-87. Not sure of date of completion, but this sale was only cut during winter months with a network of frozen road access, much of which was in the lowland or swamp areas. This stand was typed as "F5 A5 W7 R7" prior to cutting. Essentially all pulpwood species were cut with one or more sticks, and only marked red & white pine were cut. Currently the stand has both pine and spruce/fir and aspen regeneration beneath the pine overstory. This stand is located on a ridge or hilltop.</p> <p>Wld : Located in the SWNW & NWSW of Sec 24, east of ELF row.</p>													
69	S 4	S 2	15	4	20	25	black spruce-swamp	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA stand. Riprarian buffer or at least water does drain through this stand. Also potential old growth. Some S5 inclusions may be marginally productive.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, and birds. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the E1/2NE of Sec 23 for the most part.</p>													
70	Z 0	Z 0	2				water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Small beaver pond on latest imagery (digital orthoquads). Locations of active beaver ponds can change from decade to decade as the beavers quest for food resources requires.</p> <p>Wld : Located in the S1/2NE of Sec 23.</p>													
71	F 3	F 3	2	21	0	0	54 spruce-fir (uplands- including upland black spruce)	immature	N		40-49 years	0	
<p>comnts Fmd : Was part of Holli's "Sleighrunner Sale " permit #5-79A cut between 1982-87. I believe a major access road ran northwest through this stand.</p> <p>Wld : Located in the NWSW of Sec 24, north of creek and east of ELF row.</p>													

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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								
72	F 3	F 3	4	36	4	30	59	spruce-fir (uplands-including upland black spruce)	immature	N		20-29 years	0	
<p>comnts Fmd : Thickly stocked spruce/fir with a component of aspen as well. Stand 19 to the south lacks this aspen component. Same as stand 74 but on the opposite side of the ELF row. See comment for stand 74 for cutting history here.</p> <p>Wld : Located in the W1/2SW of Sec 24, west of ELF row.</p>														
73	L 0	L 0	15		0	0	20	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Lowland brush, tag alder. ELF row split this stand at one time.</p> <p>Wld : Located in the NENE of Sec 23 & NWNW of Sec 24.</p>														
74	F 3	F 3	9	36	4	30	59	spruce-fir (uplands-including upland black spruce)	immature	N		20-29 years	0	
<p>comnts Fmd : Stand was commercially cut between 1970-75 by Clarence Antilla of Republic under permit #21/70A. A scale sale. All merchantable aspen & birch were to be cut, all jack pine 8 inch & larger at stump diameter, all two stick & larger fir, all 3 stick & larger black spruce, and all white spruce 12 inch & larger in stump diameter. Also all marked red & white pine. Presently in 2007, a thickly stocked spruce/fir stand with a component of aspen as well. Stand 19 to the south lacks this aspen component. Stand #74 provides a good logging chance with easy access.</p> <p>Wld : Located in the W1/2SW of Sec 24, east of ELF row.</p>														
75	F 3	F 3	2	32	3	20	59	spruce-fir (uplands-including upland black spruce)	immature	N		20-29 years	0	
<p>comnts Fmd : Thick with spruce/fir regeneration, 2 to 4 inch dbh, up to 30 ft tall or so. Scattered merchantable size spruce/fir that were probably advance regen left when this stand was cut. A trace of white pine, large sawtimber wildlife trees and a few jack pine. Same as stand 19 but on opposite side of ELF row. See comment for stand 19 for cutting history here.</p> <p>Wld : Located in the SWSW of Sec 24, west of ELF row.</p>														
76	F 6	F 2	4	90	8	70	44	spruce-fir (uplands-including upland black spruce)	mature	Y	removal	within 0-9 years	3	
<p>comnts Fmd : Removal cut with Reserves. See comment for stand #16. This stand also has difficult access & may not be practical for the small volume of timber involved. Stand was hit by same windstorm as stand #16, currently with down spruce/fir and F2 seedlings on the ground. More cedar in the area here, especially along creek. We can leave cedar, red & white pine (about a dozen pine total), and perhaps white spruce for retention. If we cut here - low priority sale, even if combined with stand 16. Trace of jack pine, birch, & hemlock. Leave trace species for retention. STAY OUT OF LOWLANDS.</p> <p>Wld : Retain cedar, white pine, red pine, and hemlock. Do not enter lowland conifer areas. Located in the NWNW of Sec 25, east of ELF row.</p>														
77	J 3	J 3	10	15	2	20	60	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Was cut commercially in the winter of 1991-92 by Holli Forest Products, Inc. under permit # 037-89-01 TV-13 Access Block". A frozen winter road of about 1/4 mile was used to access this sale from the southeast off of the TV 13 road. This avoided crossing the bridge over West Branch Creek. Permission was also obtained to cross the private NENE of Sec 25. All red & white pine was left as well as 1 & 2 stick spruce. Currently in 2007 this stand is a mixture of mostly jack pine with some spruce/fir as a component also, geneally shorter in height (except for the residual trees left when the sale was cut) and more prevalent near the edges.</p> <p>Wld : Located in the SWSE of Sec 24 & NWNE of Sec 25.</p>														
78	L 0	L 0	1		0	0	24	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : This is a segment of the former cleared ELF row, 100 ft wide, cleared about 1985 and abandoned in 2005. Poles removed in 2006/07.</p> <p>Wld : Located in the SWSW of Sec 24.</p>														

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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								
79	B 6	F 1	1	62	10	80	58	paper birch	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p> <p>comnts Fmd : A lot of rock along the county road edge. Private land to the west was cut in past and is A3 type. DNR iron pipe & cap at 1/4 corner, about 4 chs south of road. Cut if opportunity presents itself (eg. If adjacent owner is cutting).</p> <p>Wld : Located in the SWNW of Sec 23, south of Co.Rd. FF.</p>														
80	Z 0	Z 0	1			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Small beaver pond on latest imagery (digital orthoquads). Actually, there has been a pond in this location for many years. LEAVE A BUFFER TO THE POND INCLUDING EVERYTHING SOUTH OF ROAD AND ON THE PENINSULA.</p> <p>Wld : Located in the NWSW of Sec 24.</p>														
81	J 3	J 3	6	7	1	0	65	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercially cut in Fall/winter of 2000 by Ken Lanaville (RLR Inc.) under permit #106-99-01, "Skinnies Lake Sale". Currently in 2007 stand is dominantly jack pine with some spruce/fir regen as a component.</p> <p>Wld : Located in the NWSE of Sec 25, south of ELF row.</p>														
82	S 4	S 1	28	76	8	40	40	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Variable stocking from one area to another. A trace of cedar & birch. It is similar in most respects to stand 23 except with less stocking. Thus more alder shows up here, more birch except that it is dying out, the scattered spruce & tamarack tend to be larger diameter having less competition, etc. Yet it is good habitat for snowshoe hare and everything that preys on them.</p> <p>Wld : Located in the N1/2SW of Sec 25, for the most part.</p>														
83	S 6	S 1	6	96	8	100	38	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones Water quality/bmps</p> <p>comnts Fmd : SCA stand adjacent to outlet creek of Skinnies Lake. Riparian buffer.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, and birds. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances. Located in the NWSE of Sec 25.</p>														
84	S 6	S 2	1	76	6	80	40	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Located where the ELF row and the powerline ROW join. Separated from stand #23 by the powerline. Overall, I found a lot of submerchantable diameter spruce in stand 23, and thus I recommend holding this stand until more of these small diameter stems become of commercial size.</p> <p>Wld : Located in the SWSW of Sec 25.</p>														
85	J 3	J 3	17	7	1	0	63	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Was commercailly cut in summer of 2000 by Holli Forest Products, Inc, under permit #107-99-01, "Snipe Pond Jack Pine Sale". All oak & cherry was left, and only marked red & white pine was cut. A 2 inch spec was used on the red maple. Was disk trenched & direct seeded with jack pine in the Fall of 2000, FTP #C31-424. County Road FF runs through stand.</p> <p>Wld : Located in the SWSW of Sec 25.</p>														
87	Q 5	Q 2	5		6	60	30	mixed swamp conifer	unevenaged	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p> <p>comnts Fmd : Narrow sliver of timber between private and the ELF row. Same as stand 47 but on the opposite side of ELF row.</p> <p>Wld : Located in the W1/2NW of Sec 25, west of ELF row.</p>														

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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								
88	W 9	W 2	4		12	100	58	white pine	immature	N		not scheduled	0	
<p>comnts Fmd : Was commercailly cut in summer of 2000 by Holli Forest Products, Inc, under permit #107-99-01, "Snipe Pond Jack Pine Sale". All oak & cherry was left, and only marked red & white pine was cut. A 2 inch spec was used on the red maple. This is a sloping hillside site. Pine is heaviest at the base of the slope, and at the ridgetop it is quite open with scattered oak/pine, but white pine regen is heavy in these openings. Very little aspen regen, but there is red maple stump sprouting.</p> <p>Wld : Located in the SWSW of Sec 25.</p>														
89	A 3	A 3	3	7	1	0	60	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Was commercially cut in summer of 2000 by Ken Lanaville (RLR inc.) under permit #104-99-01, "Petcuson Lake Sale". Red & white pine, oak, spruce, & fir were left in this stand.</p> <p>Wld : Located in the NENW of Sec 22.</p>														
91	W 8	W 2	9		15	50	58	white pine	unevenaged	N		not scheduled	0	
<p>comnts Fmd : This was part of a very large timber sale (258 acres), "Sleighrunner Sale" permit # 5-79A, cut by Holli Forest Products, Inc. between 1982-87. This sale was only cut during winter months with a network of frozen road access, much of which was in the lowland or swamp areas. This stand was typed as "F4 A4 W8 R8" prior to cutting. Essentially all pulpwood species were cut with one or more sticks, and only marked red & white pine were cut. Currently in 2007, the stand has both pine and spruce/fir regeneration beneath the pine overstory. I would say this is a success story for regenerating pine. It's hard to say whether red or white pine will dominate. I do remember this unit was winter cut. Perhaps the swamp cut of stand #62 was skidded out across this site also, thus increasing the site disturbance.</p> <p>Wld : Located in the SWNW of Sec 23.</p>														
93	S 6	S 1	6	105	8	100	40	black spruce-swamp	immature	Y	seed tree	within 0-9 years	1	
<p>comnts Fmd : Seed Tree with Reserves as available. A somewhat small, isolated stand of older and larger diameter spruce. The small diameter component found in the rest of stand 23 is not present here - most everything is merchantable. Could also be labeled as high risk. Other than saving the seed trees and whatever submerchantable trees are present, not alot available for species diversity. LEAVE 10 TO 20 SQ. FT. FOR SEED. WORK WITH WILDLIFE ON SALE.</p> <p>Wld : Retain many full-canopied spruce as part of seed tree prescption in order to provide heavy cone crops for wildlife. Located in the SWSW of Sec 25.</p>														
94	S 5	S 2	1	76	7	40	37	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : That small parcel west of ELF row. Manage with stand 18.</p> <p>Wld : Located in the SWSW of Sec 24.</p>														
95	J 3	J 3	2	14		0	60	jack pine	nonstocked	N		40-49 years	0	
<p>comnts Fmd : See comment for 401. Dean Wilson found the remnants of a bldg at the east end of this opening when setting up sale #105-99-01, "Old Homestead Sale". Should stand be allowed to progress with succession, or treat to restore to grass opening? Used 1993 yr of origin since that was when adjacent area was cut. FTP #W3-629 covers Tordoning here, and after an appropriate time lag, then disking & seeding with clover, birdsfoot trefoil, rye, and fertilizer. Work done around August 1977.</p> <p>Wld : Located in the NESE of Sec 24 for the most part.</p>														
96	J 3	J 3	2	14		0	60	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : This opening is also taken over by conifers in 2007 (red & jack pine) and I can recall it looked like a football field when it was first cleared. It can go either way depending on priorities, funding available, etc.</p> <p>Wld : Located midway in the W1/4 tier of forties of Sec 24.</p>														
400	G 0	G 0	4			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : This is the former ELF right of way, approx 100 ft wide, first cleared around 1985, and subsequently abandoned about 2005. Poles salvaged in 2006/07.</p> <p>Wld : Located in the W1/2NW of Sec 24.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	Acrs	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	B	Tot. BA							
401	G 0	G 0	8				0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : This was the residual farm fields cleared by Homesteaders such as the Lyyski family in the 1920's or 30's. Their old barbed wire fences and rock fencerows can still be found. They probably grew hay for their cow, perhaps some potatoes and vegetables. Now these are Wildlife Division grass openings that have received some treatment such as disking & seeding, etc. FTP #W3-629 covered this opening, and also #402,403,404;405 for applying Tordon, then after waiting an appropriate length of time, disking & seeding to wheat, rye, or rye grass, along with fertilizing. Thjs last work was done in August of 1977.</p> <p>Wld : Located in the SENE of Sec 24 for the most part.</p>														
403	G 0	G 0	1				0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Stands 403, 404, & 405 are all filling in with conifers from adjaent area (commercailly cut in 1991-92) , but I left them as "G" type. If treatment is unlikely, we could allow them to be absorbed into stand 14. FTP #W3-629 covers Tordoning here, but not sure if disking & seeding was done here. This occurred around August 1977.</p> <p>Wld : Located in then center of the SE1/4 of Sec 24, more or less.</p>														
404	G 0	G 0	1				0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Stands 403, 404, & 405 are all filling in with conifers from adjaent area (commercailly cut in 1991-92) , but I left them as "G" type. If treatment is unlikely, we could allow them to be absorbed into stand 14. FTP #W3-629 covers Tordoning here, but not sure if disking & seeding was done here. Circa August 1977.</p> <p>Wld : Located in then center of the SE1/4 of Sec 24, more or less.</p>														
405	G 0	G 0	1				0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Stands 403, 404, & 405 are all filling in with conifers from adjaent area (commercailly cut in 1991-92) , but I left them as "G" type. If treatment is unlikely, we could allow them to be absorbed into stand 14. FTP #W3-629 covers Tordoning here, but not sure if disking & seeding was done here. Circa August 1977.</p> <p>Wld : Located in then center of the SE1/4 of Sec 24, more or less.</p>														
407	G 0	G 0	1				0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : This opening is also homestead related and has an old two room poured cement wall basement located within the opening. An apple tree is growing beside it. Opening filling in with conifer, especially jack pine. LEAVE A FRINGE OF TREES AROUND THE PERIMETER WHEN ADJACENT STAND CUT.</p> <p>Wld : Still approximately 70% open. Poor grass, knapweed, bracken, and sweet fern. Shifting to J2. Balsam poplar poles and saplings. Random white birch, fir, and spruce poles. Located in the NWSW of Sec 24, north of creek.</p>														
408	G 0	G 0	2				0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : This is the former ELF right of way, approx 100 ft wide, first cleared around 1985, and subsequently abandoned about 2005. Poles salvaged in 2006/07.</p> <p>Wld : Located in the W1/2SW of Sec 24.</p>														
409	G 0	G 0	1				0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : This is the former ELF right of way, approx 100 ft wide, first cleared around 1985, and subsequently abandoned about 2005. Poles salvaged in 2006/07.</p> <p>Wld : Located in the SWSW of Sec 24.</p>														
410	G 0	G 0	4				0	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : This is the former ELF right of way, approx 100 ft wide, first cleared around 1985, and subsequently abandoned about 2005. Poles salvaged in 2006/07. The 1/16th corner is about 30 ft west of the edge of the cleared row, thus there would be a few old jack pine in the narrow strip on State land on the west side of this opening, and north of Co.Rd. FF.</p> <p>Wld : Located in the SWSW of Sec 25.</p>														

GWINN FOREST MGT UNIT

Stand Level Information

Compartment: 224 Entry Year: 2009

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S t a n d	Cover Type- Size Dnsty	Under Story- Stkng Level	A c r e s	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
411	G 0	G 0	6			0		grass	nonstocked	N		not scheduled	0	

comnts Fmd : This is the former ELF right of way, approx 100 ft wide, first cleared around 1985, and subsequently abandoned about 2005. Poles salvaged in 2006/07.

Wld : Located in the N1/2SE of Sec 25.

Total Acres..... 1348