

\* 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								
1	A 3	A 1	11	21	2	0	51	aspen (upland)	old growth (potential or actual)	N		20-29 years	0	
<p>comnts Fmd : In Unit 5 of Frost Pocket Mgt Unit. Mgt Goal is to allow areas to remain a mosaic of shrubland and open forest conditions representing a variety of successional stages. Area serves as a buffer along edge of unit. Old SI data was used. Stand is BTA clones mixed with some oak and pin cherry along edges. BTA averages 35-40 ft tall and 1-6 inches in diameter. Stand overall appears healthy. Contains some clones of older aging aspen but overall stand is young BT aspen reproduction. Some barely merchantable pockets. For now, call an A3- will grow inter merchantability overall over next ten years. Hold and let older pockets of larger aspen die naturally- provides good woody structure in area for variety of wildlife. Harvest in future to minatin a patchwork of successional stages throughout unit 5. Ground cover is varied, including bracken fern, lg leaf aster, blue bead litly. Old Comments:Stand harvested 1987. Over all healthy regeneration. Hilly terrain with a few Kettle holes. Larger diameter clone of aspen adjacent to Bailey Road.</p>														
2	A 4	A 3	21	34	6	40	60	aspen (upland)	old growth (potential or actual)	N		30-39 years	0	
<p>comnts Fmd : Stand is a barely merchantable bigtooth aspen stand, ranging 5-6 inches in diameter, 3-4 sticks in height. Ground cover varied, including scotch harebell, grasses, blueberry, pennsylvania sedge, raspberry, sweetern, brackenfern, strawberry. This is part of Unit 5 of Frost Pocket Mgt area. Mgt Obj of Unit 5 is to maintain a mosaic of shrubland and open forest conditions representing a variety of successional stages. This area also buffers edge of mgt area. Hold stand. Treat in future to maintain a patchwork of successional stages in Unit 5. Old SI data used.</p>														
3	U 2	U 2	1			0		bog or muskeg	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Small opening with mixed cherry surrounded by scattered jack pine stands. Part of Unit 5 of Frost Pocket Mgt area in which mgt goal is to maintain a mosaic of shrubland and open forest in various successional stages. Hold this stand to meet mgt objective of unit.</p>														
4	R 9	M 2	5		14	110	60	red pine	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : This stand is on a steep slope right along the county road- is not very operable. Is contains patches of red pine and white pine saw log trees intermixed with some aspen and red maple. Hold stand, looks healthy. Old sit data used. Old comment:STEEP SLOPES DOWN TO BOG, VARIES FROM R6 TO A5M4, HOLD INDEF</p>														
5	O 6	A 2	5	83	8	80	59	oak	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p>														
<p>comnts Fmd : Variable stand, part of unit 5 of frost pocket mgt area whose mgt obj is to keep a mosaic of shrubland and open forest at a variety of successional stages and to serve as a buffer along the edge of the special mgt area. This stand is along private land and is fairly small. It is very diverse- has a mix of pockets of mature bigtooth aspen that looks healthy along with scattered mature jack pine and oak. By the gate there is amix of aspen, red maplke and oak. This stand can hold. Wait to treat it when adj stands are treated. Ground cover is varied but dominated by bracken fern. Lots of young T aspen on edge of stand. Still call an O6. Old plot data appears representative so did not retake data. Has some old scattered oak in std but rest of stand appears younger overall. Old data carried forward. SJ Thiel</p>														
6	J 6	O 2	16	42	6	80	58	oak	old growth (potential or actual)	N	final harvest	within 0-9 years	2	other - specify in remarks
<p>comnts Fmd : A mature jack pine stand that has lots of oak seedlings underneath along with good population of hills thistle and pale agoseris,showing it once was a pine barrens. This stand is part of mgt unit 5 of Frost Pocket Mgt area whose mgt obj is to maintain a mosaic of shrubland and open forest in a variety of successional stages. Recommend harvesting the jack pine and possibly burning to promote oak in stand along with pine barrens species- to convert it to more of an open barrens with some oak. It abuts up to private so burning may not be a priority. This std lies in the buffer zone of the frost pocket mgt area, so is of lower priority for conversion to a barrens than other subunits. If we burn this unit, then burn what we can of this stand along with adj grassy areas of stand 402 and 403 at the same time. SJ Thiel</p>														

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					B	Tot. BA								
7	A 4	A 2	18	37	5	40	60	aspen (upland)	old growth (potential or actual)	N		20-29 years	0	
<p>comnts Fmd : Did not visit this stand, took data from adj compts and data from silmilar stand 2. Is on edge of unit 5 of frost pocket mgt area whose mgt obj is to keep a msoaic of shrub and open forest land in a variety of successional stages and to serve a sa buffer. This is definitely a buffer stand that was cut in 1971, so hold 10-20 years before treating. SJ Thiel</p>														
8	J 6	O 2	10	22	6	70	55	jack pine	old growth (potential or actual)	N		10-19 years	0	
<p>comnts Fmd : A pocket of jack pine located in unit 5 of Frost pocket mgt area. Mgt objective for this unit is to maintain a mosaic of shrubland and open forest in a variety of successional stages throughout the unit and to serve as a buffer for the interior units of frost pocket. This is a very diverse stand in terms of ground cover and understory. Jack pine overstory is small, younger and healthy. No age or SI was taken, but visually it can hold 10-20 years. Used SI and age data from stand 14. It has a good understory of O2 coming in. Hold stand for diversity. May want to remove jack pine in ten years to open stand up and allow oak to take over. Will end up converting stand to a mixed oak, cherry, pine stand that is more open which meets mgt objective for area. SJT</p>														
9	R 4	G 0	3	1	7	40	52	red pine	old growth (potential or actual)	N		20-29 years	0	
<p>comnts Fmd : This stand is within the Pine Barrens Frost Pocket and is part of Unit 5. Mgt Obj for unit 5 is to maintain a mosaic of shrubland and open forest in a variety of successional stages. This was a Jack Pine stand that was clearcut in May-June 2007 by T.R. Timber under 720570401 Mt. Tom Road Jack Pine under former Compt 16 stand # 72. The stand was converted to a G/R4 stand to meet frost pocket mgt objectives. Ground cover is dominated by pennsylvania sedge and golden rod. It is an open grassy area. Smaller red pine were left when area was cut- just jack pine wwas removed.. So stand actually is now a grassy area interspersed with scattered small red pine. On average pockets of red pine range from 20 -50 BA, averaging 7-8 inched in diameter at an average of 2-3 sticks each. Hold stand- this is the patchy mosaic conversion required by the mgt plan. Old SI data used. SJ Thiel 8/08</p>														
10	R 6	U 1	27	44	9	110	50	red pine	old growth (potential or actual)	N		10-19 years	0	
<p>comnts Fmd : A fairly open red pine plantation located in Unit 5 of Frost Pocket Special Mgt Area. Mgt Obj of Unit 5 is to maintain a mosaic of shrubland and open forest representing a variety of successional stages. This stand also buffers edge of mgt area. This area was thinned in 2006 under sale no. 72-058-04-01 (see adj compt 16) called Racoon Red Pine. All JP was removed and every 3rd row of red pine was removed leaving 90-100 sq feet of red pine. Red pine is healthy and has responded to thinning. Adj landing area is filled with knapweed due to disturbance of soils. Eventually need to thin again and make stand into a more open barrens type stand with natural cherry and shrub understory and grassy openings. For now, due to heavy treatment in area, hold stand and look at removing more red pine in ten years in an effort to convert stand to more of a pine barrens. Ground cover includes fescue, harebell, blueberry, raspberry, starflower, pennsylvania sedge, poverty grass, knapweed, some scattered cherry and aspen reproduction. Old SI data used. 8/2008 SJ Thiel</p>														
11	A 2	U 2	17	18	1	0	55	upland brush	old growth (potential or actual)	N		10-19 years	0	
<p>comnts Fmd : Brushy stand, mix of young trembling aspen clones and cherry brush. Open grassy area with scattered clones of A3 A about 2-4 inches in diameter and around 30 feet tall. GC is grass, sedge, sweetfern. Call A2/U@ stand. Old SI data used and yoear of origin estimated. Is part of Unit 5 of Frost P0ocket mgt area. Mgt obj for this unit is to allow stand to remain a mosaic of shrubland and open forest at a variety of successional stages. Hold for ten years and determine if we need to perform any manual treatment to provide successional stages in ten years. We have lots of diversity in mgt unit right now. SJ Thiel</p>														
12	G 0	X 0	4		0	0	50	grass	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Former open sandy area from older ORV damage that has been slowly healing and filling in with grass and shrubs. Still some open sand on a couple small hills but overall area is a grassy opening. Is part of Unit 5 of Frost Pocket Mgt Area- with mgt obj of maintaining a mosaic of shrubland and open forest in a variety of successional stages. Let stand continue to heal by discouraging ORV use. SI data taken from adj stand 10. SJ Thiel</p>														

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					D	Tot. BA								
13	U2	U2	8	1	1	0	52	upland brush	old growth (potential or actual)	N		50-59 years	0	
<p>comnts Fmd : This stand is within the Pine Barrens Frost Pocket. It is part of Mgt Unit 5, whose mgt obj is to maintain a mosaic of shrubland and open forest in a variety of successional stages. This stand also serves as a buffer along edge of frost pocket. To meet mgt objective, this was a 3 ac J5 stand that was final harvested in 2007 and converted to a G type. Stand was harvested under sale no 72-057-04-01 Mt Tom Road Jack Pine (see adj compt 16). Since harvest, stand has converted to a mix of grass, shrubs, including cherry and a little trembling aspen. Hold stand. Old SI data used.</p>														
14	J2	U1	22	22	0	0	55	jack pine	old growth (potential or actual)	N		50-59 years	0	
<p>comnts Fmd : A large part of stand is a pot hole or kettle hole with some steeper slopes. Stand is open grassy stand with jack pine and scattered cherry. Is part of Unit 5 of Frost Pocket Mgt Area with a mgt objective of maintaining a mosaic of shrubland and open forest in a variety of successional stages throughout the unit and to serve as a buffer for interior units. Right now area is covered with scattered smaller and younger jack pine. Hold. May want to burn or manually cut in future to open stand up more to promote more open mosaic and diversity to meet mgt objectives. Is some knapweed in stand which can be reduced via burning. Ground cover is diversity containing sedges, grasses, mullein, raspberry, and lots of knapweed along road. Burning would be preferable to increase patchy distribution of jack pine in stand. Old SI data used. SJT</p>														
15	A4	U2	23	20	10	40	65	aspen (upland)	old growth (potential or actual)	N		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p>														
<p>comnts Fmd : Part of Subunit 5 of the frost pocket special mgt area, whose mgt obj is to maintain a mosaic of shrubland and open forest conditions representing a variety of successional stages. This is a diverse mixed brushy stand. Lots of trembling aspen clones mixed with some jack pine and pockets of cherry- aspen barely merchantable. Call A4/A3. Aspen running around 70 BA of 2 satickes tall 5/6 inch diameter. Contains pockets of scrubby jack pine, often mixed with T Aspen reproduction. JP is barely merchantable 1 stick 5/6 inch stuff, found a pocket of larger 9 inch diameter stuff. Formerly called an O8 stand. Did not find any oak but did not have time to walk across stand, just took sample points from edges. Appears to be dominated by barely merch T Asp and HP mixed averaging 5 inch diameter. Call A4/J4/A3/U2/RM2. Some steep slopes that head down away from road to grassy plains. Some red maple scattered throughout. I do not anticipate ability to make this stand a open grassy area. Has good diversity now- hold. May want to perform some treatment in the future to try to open it up some. If you cut it, aspen will just come in thicker. Old SI data used. I guessed on year of origin at 20 years as the former yr of origin of 1922 did not make sense. SJ Thiel</p>														
16	V0	V0	4			0		bog or muskeg	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Bog with some steep side slopes- seasonally wet. Located in Unit 5 of Frost Pocket Mgt Area. Mgt Goal of unit is to maintain a mosaic of shrubland and open forest in a variety of successional stages. It also buffers edge of mgt unit.</p>														
17	R6	R3	35	34	8	70	55	red pine	old growth (potential or actual)	N		20-29 years	0	
<p>comnts Fmd : The stand was originally larger. Most of the stand to the west was part of a prescribed burn from several years ago. 07/09/2002 mm. This is another red pine plantation of which parts have failed, leaving open grassy pockets or sparse areas of red pine in portions. Portions of west part of stand were killed by P burn. Hard to tell exact size of current red pine stand as we don't have new imagery- so size of stand was estimated. This is part of the Frost Pocket Special Mgt Area, Unit 1. Mgt Obj of Unit 1 is to maintain the greatest percentage of open grassland of all the units in the area through burning. Currently, much of this pine is barely merchantable. Denser areas run an average of 70 ba red pine with an ave dia of 7-8 inches. Other areas are more sparse and can run smaller in diameter. Merchantable pine is averaging 1-2 sticks each. Hold for now and treat in future to convert to more open grassy pine barrens area via harvest and then fire. In dense pine areas ground cover is nill, some bearberry. Open areas contain a variety of grasses. Used old SI data. Note, kettle hole is located on southeast edge of stand that is open and grassy with steep slopes. Not large enough to call its own stand. SJ Thiel 8/08</p>														

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					B	Tot. BA								
18	U2	O2	28		1	0	55	upland brush	old growth (potential or actual)	N		within 0-9 years	0	cleaning & weeding
<p>comnts Fmd : Scattered U2 and oak reproduction, some thornapple mixed with cherry. Stand is part of subunit 1 of the frost pocket special mgt area. The Mgt obj for this subunit is to maintain the greatest percentage of open grassland of any mgt subunit. This stand has a patchy distribuion of shrubs which is closing in. Needs to be burned to be opened up. Recommend burn this stand alone in 2010 when we burn subunit 2. The adj grassy stand 404 in subunit 1 was recently burned in 2008 and we do not want to burn again so soon. Burn std 18 to knock back some brush. Then burn stand 18 again in 2012 when you burn the adj grassland stand 404. Note, there is a kettle hole on the NW edge of stand, next to std 17. JP on the edge of this stand was killed when the adj grassy opening was burned in 2008. Old si data used. SJ Thiel</p>														
19	J6	R1	10	83	9	70	65	grass	old growth (potential or actual)	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : Part of unit 1 of Frost Pocket Mgt Area. Goal of Unit 1 is to restore and maintain the greatest percentage of open grassland of any unit in the frost pocket area. Long term this jack pine will need to be cut and not replanted, but allowed to regenerate to grass and shrubs. A jack pine plantation. Some parts had failed so is more open with scattered large red pine. Ground cover is blueberry and bracken fern and reindeer moss in spots. Ave diameter ranges from 5 to 9 inches. Small stunted red pine in places where jack pine has overtaken it. Other spots is more open and is an R7/RM3 pocket. Understory ranges from R1/O1/A1. Variable stand. Overall call jack pine stand. Used old SI data. After looking at all the stands, am recommending we harvest jack pine now. Leave larger super canopy red pine for visual and diversity- simulate an open barrens type. Also leave any mature oak for mast and allow stand to convert to grass and U type. This will help meet mgt obj of frost pocket. May want to burn stand after it is harvested in conjunction when unit 1 is burned next. SJ Thiel</p>														
20	A3	U2	1	1	0	0	52	upland brush	nonstocked	N		10-19 years	0	
<p>comnts Fmd : This stand is within the Pine Barrens Frost Pocket Unit 1. Mgt objective is to restore and maintain greatest percentabe of open grassland as compared to other mgt units within the frost pocket area. Details are included in frost pocket mgt plan. To meet objective, stand was cut May-June 2007 by T.R. Timber under 720570401 Mt. Tom Road Jack Pine under former compt 16 stand #75. It was supposed to convert to open grass type. In reality, field checks revealed it has converted to a A3, a mix of trembling aspen and cherry primarily. Grass, various ferns and forbes in ground cover. A good buffer stand- provides good cover along edge of grassy opening, provides cover along road. Recommend leaving stand instead of trying to burn it and reduce aspen cover. Let aspen continue to provide food and cover in low stages for now. Later if more open grassy area is felt is needed, can include in burn to try to reduce aspen stems per acre. Used old SI data. SJThiel</p>														
21	U2	G0	3	85	2	0	58	upland brush	old growth (potential or actual)	N		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p>														
<p>comnts Fmd : A U type on slope heading away from road down to frost pocket grassy area. Is mixed with cherry, some red maple and aspen reproduction. Hold- good for wildlife and good transition stand and buffer area along road. This is in unit 3 of frost pocket mgt area which obj is to manage most of area as open grassy area via p burning to allow herbacious and low shrub species to dominate. This is a good transition stand to buffer large flat grassy area in unit 3. SI data taken from adj stand. SJT</p>														
22	J6	U2	55	40	8	70	52	grass	old growth (potential or actual)	N	final harvest	within 0-9 years	2	cleaning & weeding
<p>comnts Fmd : This stand is within the Pine Barrens Frost Pocket Mgt Area. It lies in Unit 3 in which we are to convert area to open grassy area dominated by herbacious and short shrubs. This stand id is a brush stand with A3 pockets, but is dominated by jack pine. Jack pine is merchantable. Propose cutting stand to convert area to a more open stand. Right now ground cover is moss and blueberry in closed canopy areas, more sedges, rasp, some bracken fern in more open areas. . Then burn this stand with unit 3. Note, Unit 3 is to be burned in 2009. This stand won't be ready by then, but include with susequent burn period after harvest. Note, west end of stand abuts up to PBB cattle burial stie. May want to leave portion of stand on west end as a buffer for this site. SJ Thiel</p>														

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23	U 4	U 2	63	5	30	55	upland brush	old growth (potential or actual)	N		within 0-9 years	0	cleaning & weeding	
<p>comnts Fmd : Part of Subunit 2 of Frost Pocket Mgt Area. Mgt Obj of subunit is to maintain a patchy distribution of trees and shrubs across 60% of subunit. This stand was prescribed burned on May 16, 2005 per frost pocket mgt plan. Stand burned under FTP C72-515 to promote patchy dist of trees and shrubs. Needs to be burned again in 2010. This is mostly cherry, amelanchier, and some scattered aspen. Shrubs are closing in, needs disturbance to keep opening present. Ground cover is grasses, sweetfern sedge, monarda, starflower, hawkweed... Pockets of merchantable cherry ranging from 30 ba to 70 ba, 5-8 inches in diameter. Old si data used. SJ Thiel</p>														
24	A 5	U 2	24	86	8	50	60	aspen (upland)	old growth (potential or actual)	Y		within 0-9 years	0	cleaning & weeding
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : Stand is a hilly stand of mixed aspen mixed with cherry and red maple. It is part of subunit 2 of the frost pocket special mgt area. Mgt obj for this subunit is to maintain a patchy distribution of shrubs and trees across approx 60% of the subunit. This stand is closing in. The stand was prescribed burned to promote patchy dist of shrubs/trees on 5/16/05 per frost pocket plan. It needs to be burned again when subunit 2 is burned in 2010. There is lots of down woody debris in stand. IT contains small openings and U2 areas- on is located on top of hill. Ground cover consists of rasp, blueberry penn sedge, bracken fern. Understory is some cherry, allegheny plum on edge of stand at base of slope, red maple more in interior. Aspen looks healthy and can hold. Very little oak found in stand. SJ Thiel</p>														
25	A 5	U 2	13	53	6	60	70	aspen (upland)	old growth (potential or actual)	Y		within 0-9 years	0	cleaning & weeding
<p><u>Treatment Limiting Factors:</u> Threatened, endangered, and special concern species/communities</p> <p>comnts Fmd : A brushy aspen stand that is part of Unit 2 of the Frost Pocket Mgt Area. Mgt Obj for Unit 2 is to maintain a patchy distribution of shrubs and trees covering approximately 60% of the total area of subunit. Use P burning as primary tool to achieve this. This stand was prescribed burned on May 15, 2005 to promote patchy dist of trees and shrubs per frost pocket plan. It now consists of clones of trembling aspen mixed with thornapple, cherry, some allegheny plum. Grnd cover is lg leaf aster, raspberry, penn sedge, . Aspen ranges from 3 to 9 inches in diameter depending on clone. Can hold or cut right now. Recc hold it. Will need to burn stand again in near future to work toward mgt goal of a patchy distribution of shrubs, otherwise aspen will take over. Burn saubunit 2 in 2010 to meet mgt objective. Old SI data used. SJ Thiel</p>														
26	J 5	U 2	17	85	8	50	58	jack pine	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : Hilly stand sloping down from road to flat grassy area of frost pocket mgt area. Is in unit 3 which is to be managed for a open grassy stand but due to terrain and cover, do not anticipate ever transforming this stand to G type. It is a good buffer between grassy type and road- hold it. It is a mixed stand. It has lots of red maple and brushy cherry in it and pockets of oak understory. It has pockets of jack pine, some pockets of mature larger red pine, and one pocket of oak sawlogs. Keep oak for wildlife. Variable stand- actually merged two stands from former OI as one partly due to mgt objective and both were very variable. Old SI data used. Actually a J5/R8/O7 stand. SJT</p>														
27	J 6	G 0	18	46	5	100	45	jack pine	old growth (potential or actual)	N		30-39 years	0	
<p>comnts Fmd : A closed canopy young jack pine stand. Ground cover is moss and penn sedge, dark stand. Hold, is healthy and young. Barely merchantable. Appears to have been planted in past. Jack pine is 20-30 ft tall, A flat area located in frost pocket mgt area. Stand is in subunit 3 whose mgt obj is to manage for open barrens. Hold until pine becomes merchantable then final harvest and convert to open pine barrens. Right now it add structure and closed cover for some species. Am estimating site was planted in 1964 when many of the red pine plantations were planted in area, making yr of origin 1962 if they planted 2-0 pine. SI estimated from 40 foot tall tree and estimated yr of origin. SJ Thiel</p>														

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28	J4	U2	30	63	5	20	46	jack pine	old growth (potential or actual)	Y		within 0-9 years	0	opening maintenance
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : Part of Unit 3 of frost pocket special mgt unit whose mgt obj is to keep as open grassy area dominated by herbacious and short shrubs. Burn periodically for diversity. This stand manually had some jack pine and cherry cut/brushhog to promote openness under an FTP by wildlife division. Stand is jack pine pockets mixed with open grassy areas scattered with mature cherry. Cherry has Ave 5 inch diameter 25-45 ft tall. Call U5/G. Jack pine is overall young, could call J3 but some patches are barely merchantable making a J4. Hold- this stand still meets open forest concept and standards of frost pocket plan. Continue to burn. Some areas are G, others U4, others U5. Old SI data used. SJT</p>														
29	J5	G0	10	63	8	50	48	jack pine	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : Pockets of jack pine mixed with a few clones of T aspen in an open grassy area. Gc is grasses, raspberry, bearberry, sweetfern, reindeer moss, rough fescue, sedges. Understory is not much, a little oak. Hold- is healthy. Is part of unit 3 of the frost pocket mgt plan whose mgt objective is to keep unit dominated by herbarious and low shrub species. Let this jack pine mature, then harvest and then burn in 10 years. Right now it is still open and providing diversity. Old si data used. SJ Thiel</p>														
30	R6	G0	11	47	8	200	50	red pine	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : Red pine plantation adjacent to PBB cattle burial site. Pine is young and growing well. Stand is in subunit 3 of frost pocket mgt unit, in which the mgt objective is to manage for open pine barrens and grassland types. Let this pine mature and then harvest and convert to pine barrens over time. May want to leave part of stand to serve as a buffer between burial pit site and mgt area??? Ground cover is penn sedge, pale agoseris, moss, blueberry, and a few oak seedlings in open area. Some areas of closed canopy have no ground cover. Recc third row thin in ten year. SJ Thiel</p>														
32	R6	U2	16	42	9	70	51	red pine	old growth (potential or actual)	N		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : A brushy stand along Penn Road with scattered larger red and white pine mixed with T Aspen clones.. It is located in the subunit 4 of the frost pocket mgt area in which the mgt obj is to short shrub and herbacious species dominate. This stand does not have tendency to be open forestland. It is a dense mix of red and white pine and clones of aspen with various cherry and maple reproduction. Let this stand serve as a buffer stand for frost pocket area along the road and possibly shift it to subunit 5 as a buffer stand. Provides good wildlife cover even though it is not open. Lots of diversity in stand. Ground over is lg leaf aster, grasses, bracken fern, a little sedge, some oak seedlings, strawberry. Understory is actually red maple and cherry that dominate, some oak also. Old SI data used. Hold for now. SJ Thiel</p>														
33	A4	A2	14	67	7	30	46	aspen (upland)	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : Is part of subunit 5 of frost pocket mgt unit in which the mgt obj is to maintain amosaic of shrubland and openforest in a varieyt of successional stages. This stand matches that obj now. An A4/U2/A3 stand. Lots of woody debris on ground. GC = grass, lg leaf aster, harebell, blueberry. Grouse sign in stand. Stand has scattered mature trembling aspen- scattered with clones of younger aspen intermixed with cherry brush. Ccould cut older aspen for wildlife under a manual cut or leave - is good habitat right now. Contains a little white pine and jack pine. Recommend hold- allow older stuff to fall down for woody debris and drumming logs. Stand is regenerating well on its own and meets mgt objective. Old SI data used. SJ Thiel</p>														

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								
34	R9	U1	20	103	12	80	52	red pine	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : A diverse stand located on edge of frost pocket mgt area. Is located in subunit 5 whose mgt obj is to maintain a mosaic of shrubland and open forest in a variety of successional stages. This is a good wildlife stand- lots of woody debris on ground. Hold! Was called an R9. Actually is a jack pine stand that contains a brushy open pocket of cherry/U2 and a pocket of older red pine at the south end right along trail road. Contains a pocket of larger white pine also. Ground cover varied from grass, sweet fern, blueberry scotch harebell, moss, rasp, and rough fescue to bb and bracken fern dominated. Hold- visually a nice stand and works well as a buffer stand. Is healthy. Used old SI data. SJ Thiel</p>														
35	A3	U2	44	20	2	0	53	aspen (upland)	old growth (potential or actual)	N		50-59 years	0	
<p>comnts Fmd : A brushy aspen/jack pine stand. More jack pine in this stand as compared to adj stand 36. This is part of subunit 5 of frost pocket mgt area, whose mgt obj is to keep a mosaic in shrubland and open forest in a variety of successional stages. This stand was harvested in 1988 and is now an A2/J2/U2 (cherry). Lots of cherry approx 10 foot tall. Pockets of A3. Most of aspen is trembling. Call an A3/U2/J2 overall. Different parts of stand are dominated by different species. Used old SI data. SJ Thiel</p>														
36	A3	U2	24	20	2	0	47	aspen (upland)	old growth (potential or actual)	N		40-49 years	0	
<p>comnts Fmd : Stand harvested in 1988, is now an A3.U2 with ground cover of grass, sweet fern, monarda some raspberry, bracken fern, goldenrod. Is trembling aspen approx 15-20 feet tall around 2 inches in diameter. Growing well. Hold. Is part of subunit 5 of frost pocket mgt area whose mgt obj is to maintain a mosaic of shrubland and open forestland in a variety of successional stages. This stand is far from open but progressing to a closed stand but is considered a buffer stand on edge of frost pocket. Hold for now before any mgt activities occur to open up stand. Need to concentrate on improving quality on interior stands and other stands. Old SI date used. SJ Thiel</p>														
37	J4	U2	4	72	6	20	47	jack pine	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : Open brushy stand with pockets of J6. Took 3 points, only one had merchantable JP of 70 ba, at 1 st each. Hold for cover. Overall called stand a J4/u2/J1/G. Is part of Subunit 5 of frost pocket mgt area whose mgt obj is to keep a mosaic of shrubland and open forest in a variety of successional stages. Hold this stand for cover, is healthy. Used old Si data. SJ Thiel</p>														
38	J5	J1	39	62	7	60	42	jack pine	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : A brushy mixed stand located in subunit 5 of the Frost Pocket Mgt Area. Mgt Obj of unit is to maintain a mosaic of shrub and open forestland in a variety of successional stages and also to serve as a buffer for edge of frost pocket area. This stand is an open brushy stand with scattered larger red pine, smaller trembling aspen and scattered white pine. The similar stand across the road appear to have more white pine. Ave dia is 6-9 inches- choosing to call it 9. . Some aspen pockets are mature- could be cut or could hold. Remnants of pine barrens species found in open areas. Grnd cover is glazing star, grasses, bluebery, strawberry, aster, raspberry, moss under dense pine, bracken fern. A mixed stand dominated by jack pine. Jack pine is older than aspen, could be cut or could hold. Hold for now. Plan on cutting mature stuff out of stand or do a mechanical treatment in ten years when you finish removing red pine from stand 39. Then after mechanical treatments, burn stands 38, 39, and 415 at the same time to convert to a pine barrens area. Old SI data used.. SJ Thiel</p>														

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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	Tot. BA	Site Indx							
39	R6	O1	23	46	9	180	55	red pine	old growth (potential or actual)	Y	thinning	within 0-9 years	1	
<p>comnts Fmd : A red pine plantation that was planted in 1964 with 2-0 red pine. Is part of Unit 5 of the frost pocket mgt area. The mgt obj for this subunit is to keep a mosaic of shrubland and open forest across the unit in a variety of successional stages and also serves as a buffer on the edge of the mgt area. The long term mgt objective of this stand is to eventually transform it to open pine barrens. This stand currently is fairly closed canopy and has some 1-2 feet tall oak seedlings underneath. Ground cover is some moss and grass, mostly barren with a heavy needle mat. Stand is merchantable, could hold or liquidate entire stand. Recommend thin stand now to open it up and allow oak to grow, and then eventually remove red pine except for some scattered remnants so you have more of a savannah condition. Will be a marked thinning down to 70-80 BA. May need to burn in the future to improve pine barrens diversity. SJ Thiel</p> <p>Wld : create horizontal cover along south edge of stand by falling marked boudary trees south after harvest. Snowshoe Hare specs.</p>														
40	A5	A3	22	64	8	40	51	aspen (upland)	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p> <p>comnts Fmd : This stand is part of subunit 5 of Frost Pcket Mgt Area which the mgt obj is to maintain a mosaic of shrubland and open forest in a variety of successional stages across the unit as well as serve as a buffer for the frost pocket area. This stand is isolated and in the tip of the mgt area. It has potential for being converted to pine barrens, but is low priority as compared to interior units. Contains some pockets of mature aspen and lots of pckets of aspen regeneration.. Do not cut stand now- it will just increase density and expand aspen. Want to keep this an open stand. A windstorm in 2007 blew down lots of pine and cherry, effectively creating some more open space. Wait until adj red pine std 39 is converted and then can work with this stand to perform some additional manipulation via burning or mechanical treatment to open up shrubby stand more. Not a lot of volume here, a real mixed stand of jack pine, aspen clones, and scattered cherry in various maturity stages. Long term mgt objective is to work as making this a more open forest/shrub stand, don't allow aspen to take over. Old si data used. SJ Thiel OLD COMMENTS: A mixture of small quaking aspen clones, pockets of jack pine and upland brush. This stand will be 60 years old when cut. This area is adjacent to a lowland confirer drainage. Some of the area will regenerate naturally to aspen. Some of the area may need to be planted to jack pine. 12/04/2002 mm Use hare specifications along swamp interface. This is an important winter deer and other wildlife area. This stand will regenerate naturally. Follow Pine Barrens Management Regime. 11/24/2003 mm</p>														
41	A3	G0	4	10	1	0	51	aspen (upland)	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : An aspen stand that was treated when it was part of adj compartment 13. It is an A3 stand - clones of trembling aspen mixed with scattered cherry. Brushy stand. Aspen is 1 inch diameter and 10-15 ft tall. Grnd cover is rasp on edges, grass, swt fern, bracken fern, knapweed and aster. Call A3/U2. Data taken from adj stand 9 of compt 13. This stand is part of subunit 5 of the frost pocket special mgt area whose mgt objective is to maintain a mosaic of shrub and open forestland in a variety of successional stages and also serves as a buffer along edge of frost pocket area. This is young aspen,hold and possibly continue to treat it when adj stand 9 is treated in compt 13 as this is serving as a buffer stand and we probably will not want to intensively manage this stand to reduce aspen and turn it into a barrens. SJ Thiel</p>														
127	J6	G0	2	46	5	100	45	jack pine	old growth (potential or actual)	N		30-39 years	0	
<p>comnts Fmd : A pocket of jack pine . Similar to stand 27 so took data from stand 27 for this stand. Stand is in subunit 3 whose mgt obj is to manage for open barrens. Hold until pine becomes merchantable then final harvest and convert to open pine barrens . Right now it add structure and closed cover for some species. See std 27 for details. SJ Thiel</p>														
136	A3	U2	10	20	2	0	47	aspen (upland)	old growth (potential or actual)	N		40-49 years	0	
<p>comnts Fmd : Stand harvested in 1988, is now an A3.U2 with ground cover of grass, sweet fern, monarda some raspberry, bracken fern, goldenrod. Is trembling aspen approx 15-20 feet tall around 2 inches in diameter. Growing well. Hold. Is part of subunit 5 of frost pocket mgt area whose mgt obj is to maintain a mosaic of shrubland and open forestland in a variety of successional stages. This stand is far from open but progressing to a closed stand but is considered a buffer stand on edge of frost pocket. Hold for now before any mgt activities occur to open up stand. Need to concentrate on improving quality on interior stands and other stands. Old SI date used. SJ Thiel</p>														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Age	avr. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
150	X 0	X 0	5		0		other non-stocked or non-forest or non-productive	in process of regeneration	N		not scheduled	0	
comnts Fmd : Part of Esch and Mt Tom Rds that lie within Frost Pocket Special Mgt area													
151	X 0	X 0	6		0		other non-stocked or non-forest or non-productive	in process of regeneration	N		not scheduled	0	
comnts Fmd : Part of Bailey and Mt Tom Rds that lie within Frost Pocket Special Mgt area													
401	G 0	G 0	10	0	0		grass	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : In Unit 5 of Frost Pocket Mgt Area. Mgt Obj for this unit is to maintain a mosaic of shrubland and open forest at a variety of successional stages to serve as a buffer along the edge of the mgt area. This area is mostly open grass/sedge with various pine barren species scattered throughout. Contains scattered pockets of cherry, aspen, JP. Most merchantable aspen and jack pine were harvested from stand when adj stand 3 in compt 15 was harvested in 2008 under sale no. 72-029-06-01 entitled Jack and Tom Sale. The harvest targeted taking merchantable timber and protected grassy open areas. The following species were noted in grassy area: mondara, sweet fern, pennsylvania sedge, bluestem, and some knapweed along trail. No need to perform any specific mgt except monitor knapweed. Burning site would increase diversity of plant species in grassy area, would reduce knapweed, - would need to watch overhead powerline that bisects stand. No SI data available.													
402	J 4	G 0	40	28	7	20	60	jack pine	old growth (potential or actual)	N	not scheduled	0	
comnts Fmd : JP & CHERRY SAPS SCATT THROUGHOUT this open grassy area. This is part of subunit 5 of the frost pocket special mgt unit. The mgt obj for subunit 5 is to maintain a mosaic of open forestland and shrubland in a variety of successional stages throughout area as well as serve as a buffer for actively managed frost pocket area. This stand runs along Mt Tom road. It is pockets of open grass with scattered pockets of aspen clones and cherry brush. Brushy stanad contains some white pine regeneration in on spot that is 10-12 ft tall. Scattered jack pine, white pine, red pine, cherry, and aspen across this grassy stand. Hold for now. GC= sweet fern, mondara, bluestem, liatris, poverty grass. Small rolling hills/knolls in center of stand. Yr of origin estimated. SJT													
403	G 0	G 0	4		0	0	grass	old growth (potential or actual)	N		within 0-9 years	0	opening maintenance
comnts Fmd : An opening along Mt Tom road. Has a minatained wildlife opening ini it that is mowed regularly. Around maintained opening is natural grassy opening with scattered cherry, jack pine and grass. Wildlife will continue to maintain the opening as in the past. SJT													
404	G 0	G 0	189		0	0	55	grass	old growth (potential or actual)	N	within 0-9 years	0	other - specify in remarks
comnts Fmd : This is a large grassy stand in the center of the Frost Pocket Special Mgt Area. It comprises most of subunit 1, whose mgt objective is to restore and maintain the greatest percentage of open grassland of all the mgt subunits in the area. This grassy prarie has been prescribed burned in 1998, 2001, and 2008 and is scheduled to be burned again in 2012. Ground cover is varied: big and little bluestem, hawkweed, hills thistle, mondara, yarrow, goldenrod, blazing star, scotch harebell, starflower, queen annes lace, sweet fern, prarie dandelion, etc. Stand has definitely increased in diversity since we began burning in 1998. Need to request a MNFI survey to relook at diversity and EO ranking. Have some trail roads in and edging stand which is causing a source for knapweed invasion along edges of trails. Have some illegal ORV use evident in area- is much better than it was ten years ago. Need to consider moving ORV trail out of area and getting a Director's Order prohibiting camping on this area to protect the many T&E and special concern species that are in this stand. SJ Thiel													
405	G 0	G 0	3		0	0	55	grass	old growth (potential or actual)	N	within 0-9 years	0	cleaning & weeding
comnts Fmd : Wellsite Delta Oil USA Elmer A2-25 antrim well. Located in unit 2 of Frost Pocket mgt area. GC is grass and snapweed. Knapweed is infringing on edge of unit 1 grassy area adj to wellsite. Need to herbicide wellsite to control knapweed invasion. SJ Thiel													

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Stand	Cover Type-Size 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							
406	G 0	G 0	103	0	0		grass	old growth (potential or actual)	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : Open grassy area in Subunit 3 of Frost Pocket Special Mgt Area. Mgt Obj for Unit 3 is to manage like subunit 1 with open grassland and short shrubland dominating. Want to increase floristic quality of site. This subunit has never been burned as of 2008. It is apparent how burning has improved subunit 1, as subunit 1 looked like unit 3 does today, open grassland with scattered cherry and jack pine with little diversity- a gray green landscape compared to the colorful opening in subunit 1. This stand had jack pine manually cut under a wildlife FTP no. C72-590 in 2008, opening up stand quite a bit. Unit 3 needs to be burned next and is proposed to be burned in 2009 to meet mgt objectives. No SI data available. Ground cover is primarily penn sedge, some golden rod, scattered cherry, a little bluestem. Not nearly as diverse as adj stand 404. SJ Thiel</p>													
407	G 0	G 0	11	0	0		grass	old growth (potential or actual)	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : A grassy opening with scattered mature cherry trees. Ground cover is grasses, scotch harebell, swt fern, sand cherry, goldnerod, poverty grass, liatril, aster, some kapweed along road. POSSIBLE PALE AGOSORIS, ALLEGHANY PLUM, HILLS THISTLE, ROUGH FESCUE. A diverse smaller opening located within subunit 3 of the frost pocket mgt unit. This stand meets mgt unit goal of keeping unit open with herbacious and short shrub species. Unit 3 is scheduled for a p burn in 2009. A burn would benefit here. Some mechanical treatment occurred in 2008- WD hired someone to remove some cherry and jack pine scattered throughout unit 3 to open it up some more. SJ Thiel</p>													
408	G 0	G 0	68		0		grass	old growth (potential or actual)	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : Part of Unit 3 of the frost pocket mgt area whose mgt obj is to keep unit dominated by herbacious and low shrub species. Is a open grassy area with scattered cherry and shrubs. Could call a U2 but I think open area dominates over shrubs. Is to be managed as a GO. Is scheduled for a P burn in 2009 which will hopefully knock back some of cherry. Part os stand had cherry and jack pine manually removed/cut via a wildlife FTP to keep stand open. GC is varied, sweet fern, goldne rod, aspter, dewberry grasses, big bluestem, poverty grass, milkseed, liatris, monadra, possibly some hills thistle and pale agoseris. Note, a timber sale skid trail and landing is in middle of stand from adj sale to the east of the stand. Is a bit of a mess- need to try to close skid road off and then wait to let site heal. SJT</p>													
409	A 5	A 3	4	67	7	60	46	aspen (upland)	old growth (potential or actual)	Y		20-29 years	0
<p><u>Treatment Limiting Factors:</u> Rare or unique land forms</p>													
<p>comnts Fmd : A isolated aspen stand of various ages of aspen clones with diamters ranging form 2-9 inches. Helathy and young. Hold for now, is along road and serves to break up visual landscape. Is part of unit 4 of frost pocket mgt area in which mgt obj is to have herbacious and short shrub species be dominant throughout the unit. Hold this stand for now for visual. Gc= grasses, goldnerod, etc. Is healthy and relatively young. Took SI data from adj stand 33. SJ Thiel</p>													
410	U 1	G 0	31	0	0		upland brush	old growth (potential or actual)	N		within 0-9 years	0	cleaning & weeding
<p>comnts Fmd : Part of subunit 4 of frost pocket special mgt area whose mgt obj is to keep in low shrubs and herbacious species, only allow scattered tall shrubs and trees and clumps less than 1 ac in size. Stand was burned in 2008, knocking back lots of aspen and cherry in opening. Lots of diversity in forbes and sedges on groundcover. Have goldenrod, bluestem, etc. Floristic quality has improved after 3 burns- need to do formal MNFI survey to document improvement. Scheduled to be burned with unit 4 again in 2011. No Si data available. SJ Thiel</p>													

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Age	Acrs	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B	Tot. BA								
411	A1	G0	66	0		0		aspen (upland)	old growth (potential or actual)	N		within 0-9 years	0	cleaning & weeding
<p>comnts Fmd : An open grassy stand with scattered aspen clones and cherry. This is part of the subunit 4 of the frost pocket special mgt area whose mgt objective is to maintain low shrub and herbacious cover and to minimize tall shrub and tree cover to scattered trees and clumps less than 1 acre in size. Want an open diverse stand. This stand was harvested in 1997-98 and prescribed burned in 1991 and 2001 in an effort to reduce aspen stump sprouts that were taking over site. A hot p burn in 2008 appears to have caused lots of aspen and cherry mortality, opening up stand and increasing diversity in ground cover. Ground cover diversity is good- need a formal MNFI survey to determine how it has improved after 3 burns. SJ Thiel Note- former stands 409, 31, and 411 were all merged into current stand 411. This entire area was burned at the same time and timber sales along with burns have made area very simliar- call A1/G. NO SI data available, manage it as a G long term. Called YR of origin 2008 as hot burn basically forcing resprouts to start over in 2008. SJT 9/08</p>														
412	U2	G0	4		0	0		upland brush	old growth (potential or actual)	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : A grassy area with sweet fern, grasses and sedges, goldenrod, etc. Lots of diversity. Some cherry sprouts. Is part of unit 4 of frost pocket management area- whose mgt obj is to maintain low shrubs and herbacious and minimize tall trees and shrubs so that they are only scattered or occur in clumps of less than 1 acre in size. This area was P burned in 1999, 2001, and 2008 to achieve objective. This past burn appears to have killed lots of aspen and cherry making stand more open. Schedule for unit burn in 2011. Parts of std appear to be a U3 and others a U1- so called a U2. NO Si data available. SJ Thiel</p>														
413	U2	G0	14		0	0		grass	old growth (potential or actual)	N		within 0-9 years	0	cleaning & weeding
<p>comnts Fmd : Part of subunit 4 of frost pocket special mgt area whose mgt objective is to keep area in low shrubs and herbacious cover with only scattered tall trees and shrubs and clumps of trees less than 1 ac in size. This area has been P burned in 1999, 2001, and 2008 to increase openness and diversity in stand. Stand is farly open - recent burn killed back aspen and most of cherry. Some of cherry is sprouting back so call stand a U2. GC is grass, goldenrod, aster, laitris, sweetfern etc. Some scattered jack pine south of esch road. Next scheduled burn is for 2011. No si data available. SJ Thiel</p>														
414	U2	G0	1		0	0		upland brush	nonstocked	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : Part of unit 5 of frost pocket mgt area in which we are to maintain a mosaic of shrubland and tree cover in a variey of successional stages. This also serves as a buffer stand along edge of mgt unit- it lies along Penn Crossing Road. It is an open area similar to that across the road except it has not been burned, so it is now full of cherry that is 10-15 tall 2-3 inches diameter. Could keep separate or merge with adj stand 33. No sit data available. SJ Thiel</p>														
415	G0	G0	51			0		grass	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : A large grassy area with pockets of U type (cherry) and some scattered jack pine and aspen. This is much more open than stand to the south labeled stand 417. This stand is part of subunit 5 of the frost pocket management area. The mgt goal of this area is to maintain a mosaic of shrubland and open forest in a variety of successional stages. Ground cover is varied including poverty grass, sweetfern, aster, dewberry, knapweed along trails, some blazing star, rought fescue, pale agoseris, little bluestem. Excellent candidate for pine barrens mgt and burning. Will respond well to a burn. Being in unit 5, this is lower priority for mgt resources, need to concentrate efforts on interior mgt units of mgt area. If we do burn, both stands 415 and 417 would respond well to burning- burn these stands separately at least two years apart to allow for insect migration and various stages of succession. Expand burns into edges of adj stands if appropriate. Hold for now. SJ Thiel</p>														
416	U2	G0	41			0		upland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : A mixed brushy stand. Called a U2, actually is an open stand with scattered clones of T aspen reproduction and some barely merch aspen pockets and some JP pockets and scattered cherry. This is part of Unit 3 of the Frost Pocket Mgt Area whose mgt obj is to allow herbacious and short shrub species to dominate the unit. This unit is scheduled for a p burn in 2009 to open stand up more and increase diversity. Let pockets of mature aspen fall down, if you manually harvest you will increase aspen sprouts which will increase density of the stand which is counter productive for the mgt goal. Actually is an A5/J5/A3/U2 stand. Ground cover is varied including poverty grass, sweetfern, aster, dewberry, knapweed along road/trails, some blazing star, rough fescue, pale agoseris, little bluestem. No SI data available. SJ Thiel</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	Acrs	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
417	A4	U2	40	1	8	30		aspen (upland)	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : A huge windstorm in 2007 blew over much of the larger trees (jack pine, aspen, maple). Some were salvaged under wood permits. Area is scattered with uprooted stumps and still lots of woody debris. This stand is part of subunit 5 of the frost pocket management area. The mgt goal of this area is to maintain a mosaic of shrubland and open forest in a variety of successional stages. The recent windstorm essentially provided a needed disturbance to open area up. Ground cover is varied including poverty grass, sweetfern, aster, dewberry, knapweed along road/trails, some blazing star, rough fescue, pale agoseris, little bluestem. North of this stand is open and grassy. This stand is similar but is more of a brushy stand of A5/U3/J5/G in which much of the timber was blown over, so now calling it an A4/J4/U2. Still has some standing pockets of A5/J5. Aspen is mature and showing some deterioration- hold and let if fall down. Active cutting will increase density of aspen and we want to keep this an open stand. Also will provide good woody debris and habitat. Both stands 415 and 417 would respond well to burning but are in unit 5, which is the buffer zone and low priority for treatment as we should concentrate current efforts on mgt of interior subunits. If you do burn to increase diversity, divide into north and south units and burn 2 years apart- do not burn all at once. Expand into edges of adj stands if needed. No Si data available- listed 2007 as yr of origin as windstorm definitely changed nature of stand. . SJ Thiel</p>														
418	G0	G0	2			0		grass	old growth (potential or actual)	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : A grassy opening that was planted and is maintained by wildlife division on a regular basis- they mow periodically. No SI data available. Is part of Unit 5 of the frost pocket mgt area.</p>														
419	G0	G0	1			0		grass	old growth (potential or actual)	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : A grassy opening that was planted and is maintained by wildlife division on a regular basis- they mow periodically. No SI data available. Is part of Unit 5 of the frost pocket mgt area.</p>														
420	G0	G0	1			0		grass	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : A small grassy area with pockets of U type (cherry) within a jackpine stand 40. This stand is part of subunit 5 of the frost pocket management area. The mgt goal of this area is to maintain a mosaic of shrubland and open forest in a variety of successional stages. Ground cover is varied with same species found in nearby grassy opening stand 415. SJ Thiel</p>														
421	U2	G0	2			0		upland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : A mixed brushy stand. Called a U2, actually is an open stand with scattered clones of T aspen reproduction and some barely merch aspen pockets and some JP pockets and scattered cherry. This is part of Unit 3 of the Frost Pocket Mgt Area whose mgt obj is to allow herbacious and short shrub species to dominate the unit. This unit is scheduled for a p burn in 2009 to open stand up more and increase diversity. Let pockets of mature aspen fall down, if you manually harvest you will increase aspen sprouts which will increase density of the stand which is counter productive for the mgt goal. Actually is an A5/J5/A3/U2 stand. Ground cover is varied including poverty grass, sweetfern, aster, dewberry, knapweed along road/trails, some blazing star, rough fescue, pale agoseris, little bluestem. No SI data available. SJ Thiel</p>														
422	G0	G0	1			0		grass	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : In Unit 5 of Frost Pocket Mgt Area. Mgt Obj for this unit is to maintain a mosaic of shrubland and open forest at a variety of successional stages to serve as a buffer along the edge of the mgt area. This si a small kettlehole on edge of old red pine plantation and interfaces with more open brushy type. Hold. Appears it may be seasonally wet. No SI data available.</p>														
423	U2	G0	2			0		upland brush	old growth (potential or actual)	N		within 0-9 years	0	opening maintenance
<p>comnts Fmd : Part of unit 5 of frost pocket mgt area in which we are to maintain a mosaic of shrubland and tree cover in a variey of successional stages. This also serves as a buffer stand along edge of mgt unit- it lies along Penn Crossing Road. It is an open area similar to that across the road. No sit3 data available. SJ Thiel</p>														

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

S t a n d	Cover Type- Size Dnsty	Under Story- Stkng Level	A c r e s	Age	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA	Site Indx							

425	G 0	G 0	13				0	grass	old growth (potential or actual)	N		not scheduled	0	
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comnts Fmd : This is the same as stand 415- just separated it off for management reasons. This part of stand is north of road. When we burn stand 415, we probably will use the trail road as a fire break line, so the portion north of the road will not be managed the same as south of the road, hence the separation. Use this stand as a control and a buffer along the edge of the frost pocket unit. This is part of a large grassy area with pockets of U type (cherry) and some scattered jack pine and aspen. Ground cover is varied including poverty grass, sweetfern, aster, dewberry, knapweed along trails, some blazing star, rough fescue, pale agoseris, little bluestem. It is part of subunit 5 of the frost pocket mgt unit whose mgt obj is to maintain a mosaic of shrub and open forest area in a variety of successional stages. Being in unit 5, this is lower priority for mgt resources, need to concentrate efforts on interior mgt units of mgt area. Hold this stand as a buffer. . SJ Thiel

Total Acres..... 1448