

\* 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	Acres	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
1	A6	M1	4	60	9	70	47	aspen (upland)	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Land survey needed														
Deer yards														
comnts Fmd : 1998 kgr comments: This stand was not set up for sale as prescribed due to the fact that the survey lines could not be established with any degree of accuracy. Monuments indicated to be in place on the OI map were, in fact, missing or unable to be located. 2005 kgr comments: This stand is very small and is still handicapped by the lack of a survey. Quaking Aspen is the main component of the stand and these stems are low quality and in poor condition. Past experience with smaller clearcuts in this area result in extremely high damage to regenerating aspen due to deer browse. It is my opinion that we should just allow nature to take its course with the stand. On the positive side, the stand contributes snags, coarse woody debris, and some older aspen stems for wildlife species may find this habitat attractive so, let us just leave it alone.														
2	M2	M1	20	5	1	0	70	northern hardwood	immature	N		40-49 years	0	
comnts Fmd : Part of timber sale, Pemberthy Crossing (Contract #165-98-01) that was clearcut in 1999. This was a six acre unit. The sale was set up just prior to a survey of the private property to the west of this unit. Eleven trees were harvested from the private property due to the repositioning of the property line from what was in place at the time the sale was set-up. 2005 kgr comments: This stand has suffered from heavy losses due to deer browsing. Most of the aspen regeneration appears to be gone now. Red Maple is regenerating but it is short and bushy since it too has suffered from the heavy deer browse damage. The aspen SI was retained from records prior to the 1999 harvest.														
3	U0	U0	67					upland brush	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : 2005 kgr comments: Typical U-type. Lots of cherry shrubs, mostly open spaces with grass ground cover, a couple of small pockets of Jack Pine that are pretty insignificant.														
Wld : Stand 3: 2005 SGG: Burn to set back encroachment of woody species and stimulate herbaceous ground cover. If Military says no to burning then possibly hand fell some encroachment.														
4	A6	M1	10	60	9	70	47	aspen (upland)	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Water quality/bmps														
Deer yards														
comnts Fmd : 1998 kgr comments: This stand was not set up for sale as prescribed due to the fact that the survey lines could not be established with any degree of accuracy. Monuments indicated to be in place on the OI map were, in fact, missing or unable to be located. 2005 kgr comments: This stand is very small and is bisected by an intermittant drainage. Quaking Aspen is the main component of the stand and these stems are low quality and in poor condition. Past experience with smaller clearcuts in this area result in extremely high damage to regenerating aspen due to deer browse. We still have a need for establishment of the property line along the west side of the stand. In addition, the intermittant drainage presents issues that further reduce the treatable acreage and it is my opinion that we should just allow nature to take its course with the stand. On the positive side, the stand contributes snags, coarse woody debris, and some older aspen stems for wildlife species may find this habitat attractive so, let us just leave it alone. There is a permanent deer blind erected in the stand.														
5	J5	U1	11	40	8	60	44	jack pine	immature	N		20-29 years	0	
comnts Fmd : 2000 kgr comments: This stand was not set up for sale as prescribed due to the fact that the survey lines could not be established with any degree of accuracy. Monuments indicated to be in place on the OI map were, in fact, missing or unable to be located. 2005 kgr comments: This stand is used by deer for thermal cover in winter. Mixed stand with a lot of Jack Pine stems of various sizes and ages. Lots of U popping up. Ground cover is leatherleaf. West edge of the stand along the private property is more mixed with White Pine and Jack Pine. SI for White Pine is 64.														
6	J4	J1	23	29	4	20	36	jack pine	sparse	N		40-49 years	0	
comnts Fmd : 2005 kgr comments: Stand is sparse. Some cherry mixed in with Jack Pine. J4J1														
7	J5	J1	22	25	4	50	45	jack pine	immature	N		30-39 years	0	
comnts Fmd : 2005 kgr comments: J5J2 Jack Pine is just reaching polesize now. Ground cover is leatherleaf. Some cherry brush mixed in. Hold 20-30 years. Heavy concentrations of deer use this area in the winter. Deeryard is just north of the stand. Some pockets of open/sparse timber.														
8	J5	J1	3	25	4	50	45	jack pine	immature	N		30-39 years	0	
comnts Fmd : 2005 kgr comments: Similar to other stands along the North side of Howe Road west of the pipeline. Winter deer use not as heavy as it is in stands that ar further west along Howe Road. Ground cover is leatherleaf. Jack Pine is just reaching polesize.														

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Stand ID	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
9	J5	J1	7	25	4	50	45	jack pine	immature	N		30-39 years	0	
comnts Fmd : 2005 kgr comments: Similar to other stands along the North side of Howe Road west of the pipeline. Winter deer use not as heavy as it is in stands that ar further west along Howe Road. Ground cover is leatherleaf. Jack Pine is just reaching polesize.														
10	J6	J1	13	37	7	100	55	jack pine	immature	N		20-29 years	0	
comnts Fmd : 2005 kgr comments: Typical Jack Pine stand. Ground cover is generally blueberry. Some cherry brush mixed into the understory. Pockets of J3 (2-3" dbh) in places.														
11	J5	J1	9	29	6	40	45	red pine	immature	N		within 0-9 years	0	planting
comnts Fmd : 2005 kgr comments: Jack Pine buffer stand designed to discourage motor vehicles from entering the training area that is being established south of Howe Road and west of the pipeline. This stand is rather sparse in places. Mostly Jack Pine timber with some cherry mixed in. Plant red pine parallel to the road to perpetuate the longevity of the effectiveness of this area as a buffer. SI is from an adjacent stand. Wld : Stand 11: 2005 SGG: Concur with FMFM.														
12	J4	O2	13	29	4	20	40	grass	immature	N	improvement	within 0-9 years	1	other - specify in remarks
<u>Treatment Limiting Factors:</u> No market for species/product														
comnts Fmd : 2005 kgr Comments: Stand is west of the pipeline. This is a natural jack pine regenerated site. However, the area will be cleared and converted to grass by the military to expand a staging area for troop training. The timber and stumps will be cleared and grasses will be established. Some advanced oak regeneration is present. Browse damage was quite heavy. The stand is relatively flat with a slight northerly aspect.														
13	A3	O1	51	29	2	0	65	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 2005 kgr comments: Stand was clearcut in 1976. Aspen regeneration is doing well. Lots of oak coming in and many of the sapling/seedlings have evidence of deer browse damage. Scattered Red Pine and Jack Pine - none is merchantable. Scattered residual Oak.														
14	J1	J1	27	6	2	0	46	jack pine	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: A road and berm surround the entire stand. Appears to be considerable military activity here. Jack Pine was cut in spring of 2005 as part of a large timber sale #042-05-02 designed to clear away all merchantable timber so that the military can develop large cleared training area for staging troops. Ground cover is blueberry. Military may include this stand into the new staging. This would necessitate stump removal, leveling the ground and clearing away brush and turning the site into a grass opening.														
15	O1	J1	17	6	1	0	46	oak	immature	N		not scheduled	0	
comnts Fmd : Clearcut during the winter 12/98 - 1/99 by Georgia Pacific. Sale #126-98-01 "Smith Hill," whole tree harvest. 2005 kgr comments: Stand regenerating (mostly stump sprouts) with red maple, oak, cherry and jack pine. Some oak regeneration is advancing, jack pine seedlings are widely scattered. Medium stocking at best. Prior to 1999 harvest the stand was 40 sq ft Jack Pine and 10 sq ft Oak. GC = blueberry and grass. Evidence of extensive deer browse damage. O1J1M1 Military may include this stand into a staging area for troop training. It would encompass clearing the stumps and brush and turning it into a grass opening.														
16	J6	J1	53	37	7	80	55	jack pine	immature	N		10-19 years	0	
comnts Fmd : 2005 kgr comments: Jack Pine is healthy and young. SI obtained from an adjacent stand.														

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	Ave. D	Avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
17	O9	J1	23	85	12	70	46	oak	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u>                      Water quality/bmps                      Rare or unique land forms                      Historical and archeological sites</p>														
<p>comnts Fmd : 2005 kgr comments: This stand encompasses the headwaters of an unnamed creek that is a tributary to the Manistee River. Local name for the site is Cold Springs. The springs bubble out of the ground and form a creek that flows northwesterly into the Manistee River. The creek flood plain is rather wide and is surrounded by a steep 20 foot bank that leads to a forested upland area. The floodplain itself is relatively void of timber. Several dead snags occupy the site but the timber that was evident on the site in the 1938 photograph is now dead and gone. The upland area is forested with a mixture of oak, jack pine, aspen, white pine, red pine, maple and other trees and shrubs. Recommendation for this site is to leave it alone. Removal of larger trees would have a thermal impact on the watershed. Harvest of the aspen would certainly have the negative impact of developing a food source for beaver. Some evidence of past beaver activity is apparent. We should reserve the option of removing the old aspen and dying oak trees within 50 feet of King Road so that they do not fall into the roadway and become a road hazard.</p>														
18	J6	J1	23	52	8	80	54	jack pine	immature	N		10-19 years	0	
<p>comnts Fmd : 2005 kgr comments: Jack Pine is healthy. There are scattered low quality oak sawlog trees in the stand. There are pockets of oak seedlings but they do not seem to be developing beyond the seedling stage. Hold the stand for 10 years and then clearcut.</p>														
19	J3	O1	35	33	3	0	36	jack pine	immature	N		30-39 years	0	
<p>comnts Fmd : 2005 kgr comments: This stand regenerated after a forest fire. It is a well stocked jack pine stand on flat to gently rolling terrain. None of the stems are merchantable yet and some are still in the 2 inch dbh class. Ground cover is blueberry. There is a little bit of oak in the understory. The site was obviously burned over by a very hot fire and the soils are poor, so we have the best forest here that we will ever get. Ignore the questionable entry since there is nothing that we can do to fix the problem at this time.</p>														
20	O6	O1	45	109	8	80	45	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : 2005 kgr comments: Stand is on a significant slope with a NW aspect. Oak dominates the stand but there is a significant aspen presence. Clearcutting will convert the stand to aspen dominance. Some oak seedlings are present but few have advanced beyond 18" tall. Widely scattered White Pine saplings are present. Some Red Maple and Witch Hazel. No noticeable mortality in the oak but some aspen stems have died out. Crowns are narrow and the BA is relatively consistant. Clearcut and convert to Aspen.</p> <p>Wld : Stand 20: 2005 SGG: Leave ~9 small (~ ¼ ac) islands of oak for mast production. WLD can mark. Include a spec to create course woody debris (~1-2/acre) if Military will allow.</p>														
21	U0	U0	4			0	55	white pine	nonstocked	N		within 0-9 years	0	planting
<p>comnts Fmd : 2005 kgr comments: Mostly small cherry with scattered Jack Pine poles. Ground cover is grass and knappweed.</p> <p>Wld : Stand 21: 2005 SGG: Concur with FMFM. Suggest planting to white pine instead for better wildlife cover.</p>														
22	O6	O1	29	109	8	80	45	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u>                      Other Agency concerns (name in comments)</p>														
<p>comnts Fmd : 2005 kgr comments: Stand is on a significant slope with a NW aspect. Oak dominates the stand but there is a significant aspen presence. Clearcutting will convert the stand to aspen dominance. Some oak seedlings are present but few have advanced beyond 18" tall. Widely scattered White Pine saplings are present. Some Red Maple and Witch Hazel. No noticeable mortality in the oak but some aspen stems have died out. Crowns are narrow and the BA is relatively consistant. Clearcut and convert to Aspen. Treatments are subject to military approval on these training areas. Due to other stands that are higher priority treatments, this stand is being held for ten years.</p>														
23	O8	O1	10	109	10	50	45	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u>                      Other Agency concerns (name in comments)</p>														
<p>comnts Fmd : 2005 kgr comments: Stand is in a ravine with a trail road bisecting the stand and following the ravine. Oak dominates the stand but there is Red Pine and White Pine poles and saplings evenly distributed through the stand. Some oak seedlings are present but few have advanced beyond 18" tall. No noticeable mortality in the oak. Treatments are subject to military approval on these training areas. This is the kind of area that the military likes to have left intact for training opportunities for wheeled vehicle maneauvers. Since there are other stands that are higher priority treatments, this stand is being held for ten years.</p>														

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					B H	Tot. BA	Site Indx							
24	J5	O2	8	44	8	50	43	jack pine	immature	N		10-19 years	0	
comnts Fmd : 2005 kgr comments: Jack pine stand bisected by a trail road. A fair amount of advanced oak regeneration. Jack pine could be cut at anytime, no mortality, some JP seedlings/saplings in understory but oak is featured understory species. Ground cover is blueberry. Terrain is relatively flat. SI is from old records.														
25	O6	O1	25	95	9	80	46	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Stand is dominated by N. Pin Oak and White Oak. Some other species widely scattered. Mortality is low +/- 5%.														
26	O6	O1	3	109	8	80	45	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : 2005 kgr comments: Stand is on a significant slope with a NW aspect. Oak dominates the stand but there is a significant aspen presence. Clearcutting will convert the stand to aspen dominance. Some oak seedlings are present but few have advanced beyond 18" tall. Widely scattered White Pine saplings are present. Some Red Maple and Witch Hazel. No noticeable mortality in the oak but some aspen stems have died out. Crowns are narrow and the BA is relatively consistant. Clearcut and convert to Aspen. Wld : Stand 26: 2005 SGG: Include a spec to create course woody debris (~1-2/acre) if Military will allow.														
27	A3	O1	2	6	1	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 2005 kgr comments: This stand was part of a clearcut in the adjacent compartment. Stand is dominated by BT Aspen. Deer browse damage is light. The very north end of the stand was more oak and red maple and the regeneration here is mostly stump sprouts with little aspen component. Terrain is rolling hills.														
28	O6	M1	24	74	9	100	69	aspen (upland)	mature	N	final harvest	within 0-9 years	1	natural regeneration
Wld : Stand 28: 2005 SGG: Leave ~4 small (~ ¼ ac) islands of oak for mast production. WLD can mark. Include a spec to create course woody debris (~1-2/acre) if Military will allow.														
29	A6	M1	101	72	9	120	74	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : 2005 kgr comments: Aspen is old and mortality is showing up. Red Oak and N. Pin Oak are mixed in. Some widely scattered White Pine and Red Pine seedlings/saplings. Pockets of the stand are pure oak. During the sale set-up, leave +/- 6 acres uncut where oak or pine dominates. These uncuts areas should be approximately 1 to 2 acre patches. Terrain is rolling hills. Wld : Stand 29: 2005 SGG: Include a spec to create course woody debris (~1-2/acre) if Military will allow.														
30	X0	X0	14			0	38	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: This is the Howe Road corridor which doubles as a fire break. The road was constructed and is maintained by the Military at Camp Grayling.														
31	X0	X0	6			0	38	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: This is the Howe Road corridor which doubles as a fire break. The road was constructed and is maintained by the Military at Camp Grayling.														
32	J5	J1	12	56	6	40	36	red pine	immature	N		within 0-9 years	0	planting
comnts Fmd : 2005 kgr comments: From viewing the aerial photographs, it appears that some planting was done in this stand around 1960. Portions of the stand may have hazards in the form of military ordnances as those that were found in 1998 in this area. Prescription for this YOE is to plant the more open areas along Howe Road with Red Pine to perpetuate the effectiveness of the buffer that this stand will provide for the staging area that the military is developing. Wld : Stand 32: 2005 SGG: Concur with FMFM.														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	A c r e s	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA	Site Indx							
33	O5	O1	73	111	9	40	52	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : 2005 kgr comments: Stand is adjacent to a large pipeline. Fairly pure oak stand with a scattering of white pine seedlings. Traces of Jack Pine. Terrain is rolling hills, timber quality is poor, oak seedlings are in place but no advancement. The trail road through the stand receives considerable traffic and this corridor should be maintained in a forested state.														
34	O8	O2	16	100	12	40	53	oak	low quality	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Oak stand with a fair amount of mortality. Jack pine has died out already. A significant amount of advanced oak regeneration is already in place. Generally, the timber is low quality and it is in poor condition. Timber resembles the poor quality stands of N. Pin Oak found in Missaukee and Clare Counties. Terrain is rolling hills.														
35	A6	M1	65	80	9	110	56	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : 2005 kgr comments: Rollings hills, not steep, lots of aspen with widely scattered White Pine saplings. Some mortality in the Aspen (5%). High Priority to cut.														
Wld : Stand 35: 2005 SGG: Leave ~10-12 small (~ ¼ ac) islands of oak/aspen for mast/catkin production (catkins should be from male aspen clone). WLD can mark. Include a spec to create course woody debris (~1-2/acre) if Military will allow.														
36	O6	N1	5	78	8	100	46	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
37	O6	O1	19	95	9	80	46	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Stand is dominated by N. Pin Oak and White Oak. Some other species widely scattered. Mortality is low +/- 5%.														
38	O8	O2	11	100	10	60	53	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Oak stand with some mortality. Some advanced oak regeneration is in place. Generally, the timber is average quality N. Pin Oak. Terrain is rolling hills.														
39	O6	M1	12	51	8	90	67	oak	immature	N		10-19 years	0	
comnts Fmd : 2005 kgr comments: Lots of small dbh aspen here. Oak quality is fairly good. Stand will hold for ten years then convert to aspen.														
40	A9	M1	33	85	10	130	75	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : 2005 kgr comments: Hilly terrain, understory is Red maple. No mortality in the oak. Some widely scattered White Pine saplings. Cut this now.														
Wld : Stand 40: 2005 SGG: Leave ~10-12 small (~ ¼ ac) islands of oak/aspen for mast/catkin production (catkins should be from male aspen clone). WLD can mark. Include a spec to create course woody debris (~1-2/acre) if Military will allow.														
41	O9	M1	23	78	12	90	46	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Oak dominates the stand. Stand wraps around "Engineer Valley" where log size oak dominate the perimeter adjacent to the valley. Wide spacing between trees and pockets with lots of advanced oak regeneration. Timber quality is fair and the terrain is rolling. Lots of deer beds along the east side of Engineer Valley.														
42	J6	O2	3	50	6	80	50	jack pine	immature	N		20-29 years	0	
comnts Fmd : 2005 kgr comments: Small stand of Jack Pine mixed with oak. Some advanced oak regeneration present. J407. Terrain is flat to slightly rolling.														

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					B	Tot. BA	Site Indx							
43	Z0	Z0	1				0	water	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: A pocket of mixed conifers connects the two kettle lakes and should be protected against any harvest activity that occurs within the area.														
44	Z0	Z0	1				0	water	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: Jack pine stand with some oak regeneration. A little bit of cherry mixed in. A small block building (#63) is located along the roadway. Terrain is flat.														
45	J5	O1	41	39	6	40	36	jack pine	immature	N		10-19 years	0	
comnts Fmd : 2005 kgr comments: Stand serves as a buffer along the roadway for the special military training area that was recently developed.														
46	J5	O1	8	37	6	50	36	jack pine	immature	N		10-19 years	0	
<u>Treatment Limiting Factors:</u> Other Agency concerns (name in comments) Military use/easement/lease/long-term agreement														
comnts Fmd : 2005 kgr comments: Stand serves as a buffer along the roadway for the special military training area that was recently developed.														
47	J4	J1	14	45	6	20	44	jack pine	sparse	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: Stand is rather open with scattered jack pine stems. Area appears to have been used by the military with evidence of a high amount of disturbance. Six bunkers are located along the edge of the stand. These bunkers may have been used by troops launching mortars or other projectiles. Some cherry mixed in. Some scattered advanced oak regeneration. Terrain is flat, SI is estimated.														
48	J6	O3	12	50	8	90	48	oak	immature	N	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : 2005 kgr comments: Stand features Jack pine with a fair amount of oak in it. White Oak and N Pin Oak. Take all the merchantable timber in the harvest and minimize the damage to the advanced oak regeneration during the harvest. Some old signs along the perimeter of the stand indicate that this may have been an impact area for the military. Cut in the winter with snow cover. Terrain is flat with heavy stocking of advanced oak regeneration. A mixed stand of Jack Pine and Oak is acceptable regeneration if it reaches medium stocking or higher. Wld : Stand 48: 2005 SGG: Leave scattered oak (~6 trees) for mast production. WLD can mark.														
49	O9	O1	9	85	9	90	61	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Oak dominated stand. Very little understory - some oak seedlings that have not advanced. Some aspen mixed in and a little red maple. NW side of stand is transition area with lots of advanced oak regeneration. Some areas are rather open with large amounts of regeneration present. Terrain is rolling hills.														
50	J6	O1	16	39	7	100	55	jack pine	immature	N		10-19 years	0	
comnts Fmd : 2005 KGR comments: Jack pine stand alongside Howe Road and directly adjacent to Ranges 10 & 11. A fair amount of advanced oak regeneration is present. Harvest in 10 years.														
51	O6	M1	4	91	8	80	53	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Oak stand with good mixture including red maple, aspen, and oak, with a fair amount of advanced oak regeneration. Abundant stump sprouted red maple, a little aspen mixed in but oak dominates. Oak quality is low.														
52	O6	O1	34	85	9	120	61	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Oak is fair to average quality. Not much understory here - a few oak seedlings that appear to be stagnant - some browse damage. Some mortality in aspen - oak is OK. Widely scattered White Pine seedlings and saplings. Terrain is rolling hills.														

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53	J4	O1	4	27	6	20	40	jack pine	sparse	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: Semi open area with trail road running through the center. Jack Pine regeneration is invading the edges of the stand. Leave vegetation intact & do not use as a landing area. Site Index taken from adjacent stand.														
54	O5	O1	59	71	8	60	53	oak	two aged	N		20-29 years	0	
comnts Fmd : 2005 KGR comments: Lots of small clumps of Red Maple stems. Appears that Red Maple was removed here about 10 years ago. Some Oak seedlings present.														
55	O6	O1	13	71	8	70	56	aspen (upland)	mature	N	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : 2005 KGR comments: Stand is on a NW Aspect. Aspen is smaller diameter but is healthy. Oak is old, poor quality and is in poor condition.. Lots of oak seedlings present. Scattered WP & RP seedlings present. Clearcut it now.														
Wld : Stand 55: 2005 SGG: Leave ~2 small (~ ¼ ac) islands of oak for mast production. WLD can mark. Include a spec to create course woody debris (~1-2/acre) if Military will allow.														
56	J6	O1	25	64	8	70	48	red pine	mature	Y	shelterwood-seed	within 0-9 years	1	planting
comnts Fmd : 2005 kgr comments: Cut all Jack Pine now and leave the oak. Plant Red Pine after the harvest. Red Pine is the preferred species for reforestation of this stand since it is relatively long lived, it can provide good cover along the roadway for the military and it is a species that can be thinned in the future. Jack Pine in this stand is now old and is in poor condition. There is a fair amount of advanced Oak regeneration in places.														
Wld : Stand 56: 2005 SGG: Concur with FMFM.														
57	O6	O1	22	91	8	100	53	aspen (upland)	immature	Y	final harvest	within 0-9 years	1	natural regeneration
<u>Treatment Limiting Factors:</u> Other Agency concerns (name in comments)														
comnts Fmd : 2005 kgr Comments: Mixed stand with Oak / Aspen. Aspen is small but healthy. Clearcut or just remove aspen. Some oak seedling component. Stand is being held for ten years because of the large amount of cutting prescribed within the compartment. No loss anticipated by holding this for ten years.														
Wld : Stand 57: 2005 SGG: Leave ~2 small (~ ¼ ac) islands of oak for mast production. WLD can mark. Include a spec to create course woody debris (~1-2/acre) if Military will allow.														
58	O6	M1	29	91	9	100	53	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Good quality Oak stand located on a very hilly site. A network of trails bisect the stand. Not much oak regeneration showing up. Contact the Grayling FMU about treating a small portion of this stand that extends into Crawford County.														
59	J5	O1	48	27	5	40	36	jack pine	immature	N		20-29 years	0	
comnts Fmd : 2005 KGR comments: Younger Jack Pine stand with oak component in the form of saplings & poles. GC = blueberry.														
60	O6	M1	62	85	9	100	61	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : 2005 kgr comments: Oak pole stand with scattered sawlogs. Located on the north side of Range 20 area. Some metal fragments may be found in the trees near the perimeter of Range 20 due to the detonation of explosives on the range. Understory is primarily red maple but includes well scattered White Pine in the form of small poles and saplings. Terrain is rolling hills.														
61	W6	N2	38	50	7	90	53	white pine	immature	N		30-39 years	0	
comnts Fmd : 2005 kgr comments: Range 20 Area. Some metal fragments may be found in the trees that are directly adjacent to Range 20 due to the detonation of explosives on the range. A relatively young White Pine stand with various species mixed in. A fair amount of Red Pine component. Pockets of Jack Pine. Developing into a nice stand. Range 20 activity? Terrain = rolling hills.														

TRAVERSE CITY FOREST MGT UNIT

Stand Level Information

Compartment: 230 Entry Year: 2007

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

Stand	Cover Type-Size Dnstry	Under Story-Stknng Level	Age	A c r e s	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	Tot. BA	Site Indx							
62	O3	M1	22	39	3	0	58	oak	immature	N		40-49 years	0	
<p>comnts Fmd : Stand was obviously clearcut in the 1960's. Oak is regenerating nicely as stump sprouts. Some scattered White Pine is mixed in as well as some Red Maple. Stems are just reaching pole size. Terrain is slightly rolling.</p>														
63	J5	O2	24	70	8	40	53	oak	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : 2005 kgr comments: Mixed stand with a fair amount of advanced oak regeneration and some jack pine regeneration. Lots of young oak stems approaching pole size. Some small sawlog size Red Pine - widely scattered. Terrain is rolling hills. Take out all merchantable timber in 10 years.</p>														
64	J6	O2	17	60	8	100	57	jack pine	immature	Y	removal	within 0-9 years	1	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : 2005 kgr comments: Jack Pine stand with Red Pine and White Pine mixed in. Some advanced oak regeneration. Timber quality is fairly good. Remove Jack Pine and leave all other species. Terrain is rolling.</p> <p>Wld : Stand 64: 2005 SGG: Concur with FMFM.</p>														
65	O6	N2	11	90	8	110	53	oak	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : 2005 kgr comments: Oak stand with a good amount of white pine understory. Traces of Aspen present. Some red maple in the understory. Timber quality is fair and no noticeable mortality. Not much sign of any oak seedlings. Terrain is rolling.</p>														
66	O6	M1	53	91	8	80	49	oak	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : 2005 kgr comments: Oak pole size stand. Red oak and white oak dominate. No sign of aspen here. Some red maple in the understory but not much. Some shrubs - witch hazel. Widely scattered White Pine saplings and seedlings. Timber quality is fair. No mortality. Terrain = rolling hills.</p>														
67	U0	U0	8			0	46	upland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : U-type that is fenced. Area is posted as "Ammunition Dud Area" and there is some razor wire spread out inside the fences. Scattered pin cherry and other species sparsely scattered upon the site.</p>														
68	O6	O1	12	71	8	70	56	aspen (upland)	mature	N	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : 2005 KGR comments: Aspen/Oak mixture. Oak is old, poor quality and is in poor condition.. Some oak seedlings present. Scattered WP &amp; RP seedlings present. Clearcut it now.</p> <p>Wld : Stand 68: 2005 SGG: Leave 1 small (~ ¼ ac) island of oak for mast production. WLD can mark. Include a spec to create course woody debris (~1-2/acre) if Military will allow.</p>														
401	G0	G0	203			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 2005 kgr comments. This is an open area being cultivated by Camp Grayling as a staging area as part of a special military project. Ground cover is mostly grass. The stand will be extensively expanded into adjacent timbered stands to develop a staging area for military troops.</p>														
402	G0	G0	3			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 2005 kgr comments: This is a small opening along the north side of Howe Road. Ground Cover is grass and knappweed. A few scattered Jack Pine saplings are found on the West end of the stand.</p>														
403	G0	G0	2			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 2005 kgr comments: This is a small opening along the south side of Howe Road at the base of a steep hill. Ground Cover is grass and knappweed.</p>														

TRAVERSE CITY FOREST MGT UNIT

Stand Level Information

Compartment: 230 Entry Year: 2007

\* 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	Acres	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H								
404	G0	G0	1		0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: This is a small opening along the tank trail. Oak regeneration is invading the edges of the stand. Ground Cover is grass and knappweed.													
405	G0	G0	1		0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: This is a small opening grassy opening near the tank trail.													
406	G0	G0	5		0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: A grassy opening with storage buildings that are used by Camp Grayling.													
407	G0	G0	14		0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: Pipeline corridor. Hilly in places. Lots of vehicular traffic using the pipeline.													
408	G0	G0	89		0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: Relatively flat terrain that was cut over in the spring of 2005 as part of a project to clear away timber in order to establish a staging area for military troop training.													
409	G0	G0	17		0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: Relatively flat terrain in a gulley. Area is known as "Engineer Valley." Extensive training is carried on here and a variety of structures are in place for this activity. The area is nearly void of ground cover due to the extensive use of the area by construction equipment units.													
410	G0	G0	3		0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: Range 20 activity center. Bunkers, targets and other structures are found upon grass and sand area that is void of timber. Road in and out of Range 20 is gated and posted. This site is used for detonation of explosive devices like torpedos, bombs, land mines and other items that the military needs to neutralize.													
411	G0	G0	3		0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 2005 kgr comments: Open area that is mostly grass with some jack pine invading the edges. There is obviously some military activity occurring here.													
<b>Total Acres.....</b>			<b>1902</b>										