

## HSC NATURAL RESOURCES COMMITTEE JACK PINE ESTABLISHMENT POLICY

Each jack pine timber sale will receive site specific recommendations. This policy provides additional guidance to the natural resources guidelines.

Whenever possible, natural regeneration to a mix of pine species and aspen should be encouraged. Poorly stocked stands should be minimized. Open grown jack pine (apple jack) is highly susceptible to jack pine budworm and outbreaks build in these trees.

- In general jack pine harvests should be tree length skid with cones evenly scattered throughout the site.
- Harvesting should take place when the ground is not frozen to maximize scarification.
- In unusual circumstances post harvest scarification can be considered.
- In highly visible sites, or if regeneration fails, planting should be considered.

Planting Procedures for highly visible sites or jack pine regeneration failures:

- Each site receives site specific recommendations.
- HSC wildlife biologist must approve specific site recommendations.
- Herbicide use will not be allowed unless this policy is specifically changed at a future date.
- Mechanical trenching and hand planting containerized seedlings in the fall will maximize survival.
- Rows along roads will be parallel to the road and not perpendicular to it – or “scatter planting considered.”
- Monitor for survival and interplant if necessary.

Natural jack pine regeneration was excellent on the Club during the early and mid-1990’s. However, the droughty years beginning in 1998 have had an impact.

The sites scarified in Fall (2003) and Spring (2004) were checked for regeneration in the Fall of 2007. Due to the drought there is a regeneration failure on these sites -- approximately 275 acres. Planting will be necessary on these sites and is scheduled for the fall of 2008.

### Commercial Pine Planting History

Date	Trees	Acres	Cost	Source	Location	Comment
Fall 2007	35,000 JP	30 20	\$9,204	Tom Nolta	30 acre site Both sides of D-trail North of cold creek – D-trail intersection. 20 acre site on P-trail East of West intersection of N & P trails.	

Fall 2006	68,000 JP	95	\$20,950	Tom Nolta	65 acres South of North A-trail 35 acres N-trail	
Fall 2005	106,287 JP 905 RP	150	\$24,693	MeadWestvaco	Many	
Fall 2004	62,280 Jack Pine	90		Mead	Scatter planted in JP salvage units North of Cold Creek & Jocko	
Spring 2004	Scarification	175	\$7,418	Plesscher	Variable	
Fall 2003	Scarification	100	\$4,000	Plesscher	Salvage job N. of Cold Creek Pond.	
Fall 2003	114,000 Jack Pine	162		52,500 Mead 64,500 Itaska	Large Plantation N. of Cold Creek Pond. 154 acres trenched, 8 acres on South end free style. 700 Trees/acre +-	
Fall 2003	12,700 Jack Pine	16		Itaska	South of 3-mile in failed JP natural Regen. Site.	
Fall 2002	13,585 Jack Pine	18		Mead	Variable	
Fall 2001	40,000 +- Jack Pine	50 +-		Mead	S. of Jock on B-Trail	Additional 15K trees to be planted 2002
Fall 2000	24,550 Jack Pine	11 30+-	\$2,160	Mead	Sec. 24 T44N R10W Buffer along N&P	
Spring 2000	Scarification	88 +-	\$3,520	Plesscher	Greylock	Need to check fall 2002
Spring 1979	35,000 Red Pine			Bare root	NE of Cold Creek	JP site – very poor survival.
1949– 1954	240,000 JP,RP,SP				Many	Plantations RP thinned, JP approaching maturity
1948	40,000 Pine					
1930	45,000 +- Pine				Elbow Lake ??	