



COMPARTMENT REVIEW RECORD OF CHANGES AND DECISIONS
Crystal Falls Forest Management Unit
2013 Year-of-Entry
Crystal Falls Township Hall
Crystal Falls, MI
September 14, 2011

The following documents the changes and decisions made at the compartment review to the Inventory database, reports, and compartment maps presented at open house, for the Crystal Falls Forest Management Unit compartment review. This document is the official record of changes and decisions. Proposals originally presented were approved unless noted below.

Attendees

Don Mankee, FMD; Cynthia Cooper, FMD;; Andy Church, FMD; Debbie Goupell, FMD; Eric Thompson, FMD; Amy Douglass, FMD; Jen Burnham, FMD; Celeste Chingwa, FMD; Ed Rice, FMD; Rich Ahnen, FMD; Scott Sebero, FMD; Monica Joseph, WLD; Don Kuhr, FMD; Nick Legler, FISH; Linda Lindberg, FMD; Bill O'Neill, FMD; Terry Minzey, WLD; Larry Heathman, L-P; John Hamel, FMD;.

Comments from Stakeholders

Open House at the Crystal Falls Field Office, Crystal Falls, Michigan on August 31, 2011. Four visitors came to view maps, data and discuss prescriptions with staff. No written comments were received.

Compartment 8

Changes made at compartment review:

- Add oak wilt specifications as needed.
- Stand 13, Proposal to Clearcut with reserves leaving longer lived species. This decision was bumped to the District level. Unit will review the stand and submit a proposal for decision by October 14, 2011. Consensus was reached September 29, 2011 by the Unit. Stand 13 will be harvested using the Black Spruce Management on State Forest Lands guidelines. Cut in strips or blocks and then scarify. Reserve red pine, white pine, cedar, hemlock, oak, and cherry if present. Also reserve, spruce and balsam under 6 inches on the stump.

Compartment 18

- Changes made at compartment review:
- Stand 18, Fisheries would like to see a 300' buffer on the creek in this stand. Forest management felt this was excessive. This decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Fisheries biologist Darren Kramer was consulted on the width of the buffer along the stream and agreed to a 75' buffer on each side of the stream, buffering all streams in the stand. The rest of the stand will be clearcut leaving cedar. Buffer counts towards the retention. Black spruce seed trees will be left along the edges of the stand mainly on the north and west boundaries but also on the rest of the boundary. Small patches approximately 10th acre in size will be left in the large portion of the stand north of the stream, these will serve as a seed sources as well as retention.
- Stand 5 add comments to green paint retention trees, aspen, hemlock, and cedar.

Compartment 18 (Cont.)

- Stand 14, No consensus was reached on this treatment. This decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Harvest as prescribed with the exception of leaving all sub-merchantable conifer.
- Any treatments affecting snowmobile trails will be posted if harvested in the winter.

Compartment 28

Changes made at compartment review:

- Stand 90, add clearcut treatment for this stand and plant spruce.
- Stand 7, add pine, hemlock and cedar as retention if present
- Stand 32, retain hemlock, if present.
- Stand 40, retain hemlock and sub-merchantable spruce and fir.
- Stand 58, retain pine, hemlock, and cedar.
- Stand 60, retain pine, hemlock, and cedar, mark out wet areas
- Stand 78, This decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Stand will be cut as prescribed with the exception of leaving ½ to 1 chain wide corridors of conifer approximately every 5 chains. (Monica will mark conifer leave trees with green paint) Conifer leave trees will consist mainly of spruce/fir trees.
- Stand 101 This decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Stand will be cut as prescribed with the exception of leaving ½ to 1 chain wide corridors of conifer across the stand extending from the adjacent lowland to the upland hardwood stands, not to exceed 5 strips total. (Monica will mark conifer leave trees with green paint) Conifer leave trees will consist mainly of spruce/fir trees.
- Stand 82 retain hemlock.
- Stand 88, retain hemlock, pine, and un-merchantable conifers.
- Stand 95, retain hemlock, cedar, and pine.
- Stand 106, retain hemlock.
- Stand 109, retain hemlock, cedar, and pine.
- Add Factor limits to stands 1, 5, 11, 19, 49, 51, and 84.

Compartment 37

Changes made at compartment review:

- Stand 10, retain cedar, pine, and hemlock.
- Stand 29, this decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Cut all species except red and white pine. Mark 20 to 40 BA of pine to leave, leaving a high percentage of white pine where possible. The Management Objective will be red pine.
- Stand 43, this decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Cut all species except red pine, white pine, and cedar. Leave sub-merchantable conifer (sub-merchantable = anything that won't make one pulpwood stick).
- Stand 40, retain hemlock.
- Stand 47, cedar and hemlock, if present.

Compartment 41

Changes made at compartment review:

- Stand 14, this decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Final harvest as prescribed, but modify treatment areas to add mature Aspen from stand 27 (west of the road and North of stand 24), and exclude the narrow strip of stand 14 north of stand 27. Maintain retention along the northwest edge.
- Stand 72, this decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Strip cut, cut strip should be primarily north/south

Compartment 53

Changes made at compartment review:

- Stand 19, drop treatment.
- Stand 63, proposal for clearcut harvest of this stand. Unit will review this recommendation and return for decision by October 14, 2011. Consensus was reached October 13, 2011. This stand will be harvested as a clearcut with reserves. The densest areas of cedar will be red lined out and retained. All individual cedars in the stand will be retained as well. In addition, all black spruce two sticks and smaller will be retained for seed trees. A few white birch will be marked for seed trees. (The birch in this stand is young and vigorous and we want to save a few to see if we can get some birch regeneration in a wet environment). A 30 foot buffer will remain uncut on each side of the small stream running through the center of this stand. This buffer contains mostly tag alder, small black ash and cedar.
- Stands 33, 44, and 52 add buffer on vernal pools and drainages or exclude them and apply proper BMP's.
- Stand 17, change treatment to crown thinning
- Add factor limits to stands 34, 35, 39, 48, 49, 53, and 63.

Compartment 57

Changes made at compartment review:

- Stands 1, 2, 4, and 5, confirm possible hawk nests.
- Stand 53, retain cedar and hemlock. Clearcut stand east of this stand in adjacent Compartment (compartment 60 stand 9) as a out of year of entry stand due to access issues.
- Add factor limits to stands 7, 27, 30, and 36.
- Stand 39, change cover type objective.

Compartment 83

- Stand 7 add clearcut with reserves harvest. add 100' buffer for creek in this stand.
- Stands 7, 16, and 22, retain cherry, cedar, pine, and oak.
- Add factor limits to stands 6, 8, and 11.

Compartment 88

Changes made at compartment review:

- Stand 19, retain sub-merchantable cherry.
- Add factor limits to stands 15, 38, 43, 50, 52, 60, and 68.

Compartment 89

Changes made at compartment review:

- Stand 44, add clearcut with reserves harvest. Winter cut only. Retain cedar, hemlock, oak, and sub-merchantable cherry.
- Stand 38 remove from SCA-Potential Old Growth.
- Stand 33, proposal to remove from SCA Potential Old Growth. Unit will review this recommendation and return for decision by October 14, 2011. Consensus was reached October 10, 2011. Leave this stand as a SCA-wildlife/riparian corridor.
- Stand 46, proposal to shelterwood this stand leaving 20 basal area. No consensus reached. This decision was bumped to the District level for decision by October 14, 2011. Consensus was reached October 10, 2011. Treat with a shelterwood cut to a residual BA of 20 to 40 sq. ft., leave cedar and some large (legacy) white pine and red pine.
- Add factor limits to stands 1, 2, 18, 31, 35, 37, 49, 54, and 56.
- Stands 22, 29 and 42, add comment to trench and plant if regeneration fails.

Compartment 91

Changes made at compartment review:

- Stand 7, retain cherry, and white pine.
- Stand 21, add comments that the area treated could be reduced due to nesting raptors, near marsh. Retain sub-merchantable cherry, pine, and oak.
- Add factor limits to stands 11, 17, 33, 37, 38, 43, 54, and 59.
- The posted map did not include treatments and needs to be updated.

Compartment 126

Changes made at compartment review:

- Stands 13 and 52, code harvest as clearcut w/ reserves

Compartment 127

Changes made at compartment review:

- Stand 22 and 23 add opening maintenance treatments to the Hunter walking trails in these stands.
- Add factor limits to stands 27 and 68.

Compartment 140

Changes made at compartment review:

- Stand 31, remove treatment.
- Stand 33, add buffer around parking area and bank to river-buffer.
- Stand 4, add buffer in transition area to Stand 3.
- Stand 5, retain pine and sub-merchantable cherry.
- Stand 11, retain all conifer, oak, and cherry. Add buffer to transition area to stand 12.
- Stand 20, add comments to leave some large aspen around pine to discourage aspen sprouting.
- Stand 22, retain sub-merchantable cherry.
- Stand 18, add this stand as a SCA-habitat Area. Remove treatment.
- Stand 27, add buffer in transition area to stand 28 at top of slope. Summer harvest due to recreation trail.
- Stands 21 and 25, remove treatments and add limiting factors.

Compartment 143

Changes made at compartment review:

- Stand 9, retain hemlock, cedar & pine.
- Stand 11, add locked Opportunistic Field Survey (OFS) from wildlife coordinates.
- Stand 31, add factor limit.
- Stand 31 and 35 may have incorrect data in these stands, review and correct.

Compartment 151

Changes made at compartment review:

- Stand 4, 5, and 8, drop treatments.
- Stand 34, add 1 ½ chain (100 ft) buffer to transition area to stand 28.
- Stand 37, add comments to protect the vernal pond in this stand. Wildlife Division will provide a GPS location and add an Opportunistic Field Survey Point.
- Stand 39, add a buffer to transition area to stand 36.

Compartment 158

Changes made at compartment review:

- Stands 34, 46, and 56, remove treatments for these stands Note in the stage 1 stand data that these stands will be managed for Wild life openings.
- Stands 43, 47, and 60, will be planted to jack pine.
- Stand 16 and 30, no consensus reached. This decision was bumped to the District level for decision by October 14, 2011. Consensus was reached November 10, 2011 by the Unit. It was agreed to delay treatments on stand 30 and on about 20 acres of stand 16, that portion of the stand in the NE on the steep part of the hill.
- Stand 29 add SCA-Visual Management Area. Add comments as needed
- Stand 53 Remove SCA- Potential Old Growth designation.

Compartment 178

Changes made at compartment review:

- Stands 19, 20, and 22 add Comments For SCA- Riparian Corridor.

Compartment 191

Changes made at compartment review:

- Add factor limits to stands 30 and 31.
- Stand 39, may have incorrect data in this stands, review and correct.
- Stands 19 remove from SCA designation.

As the Compartment Review Meeting Facilitator, I certify that the above changes were agreed upon.

John M. Hamel, Inventory and Planning Specialist

September 14, 2011