

## Appendix F

### Stands with a White Pine Component on the 10-Year Stand Examination List

This appendix lists the stands that were selected for field examinations that are either classified in the DNR forest inventory as a white pine cover type (i.e., white pine is the predominant species) or stands that contain white pine as a secondary species. The data fields are as follows:

**Subsection:** This SFRMP includes three ECS subsections. The stands are listed by subsection in the following order: Laurentian Uplands, North Shore Highlands, and Toimi Uplands.

**Forestry Area:** The subsections include portions of four DNR Forestry administrative areas: Two Harbors, Cloquet, Tower, and Hibbing.

**Location ID:** The Location ID is a unique identifier for each stand. Using Location ID t05710w1130179 as an example: t057 = township, 10 = range, w = range direction, 1 = state ownership, 13 = section, and 0179 = stand number. The stands are listed in numerical order for each subsection based on the Location ID. Note: During the public review period for this step of the planning process, to view the stand location, map, and additional stand information and to submit comments on individual stands, enter the Location ID in Find Place: in the SFRMP map interface for these subsections on the DNR's ForestView Web site at: <http://www.dnr.state.mn.us/maps/forestview/index.html>.

**Stand:** Stand number - a unique number that identifies a stand within a township and range.

**Sec:** Section number

**Twp:** Township number

**Rge:** Range number

**EW:** Range direction: e = east and w = west

**Cover Type:** The forest cover type classification of the stand. Typically, the predominant tree species or tree species group in the stand.

**Acres:** Acres in the stand that are recommended for stand examination and possible treatment (may be an entire stand or portion of a stand).

**Age:** Stand age as of 2004 (when stand selection was completed). Stand age is based on the average age of the predominant species (dominant or codominant trees) in the stand.

**Preliminary Prescription:** The proposed general management prescription assigned to the stand during the planning process. See Page A.20.

**Year:** Fiscal Year (FY = July 1 through June 30). The FY when the stand examination is planned to be completed. If the stand evaluation finds the stand conditions suitable for timber harvest and a timber appraisal is completed, the estimated year the appraised timber will be offered for sale.

**Access:** Estimated miles of new road/route needed to access the stand. Mileage is assigned to the stand at the end of the new access route.

## Prescription Definitions

General prescriptions are used in SFRMP planning. More detailed or different prescriptions may be assigned after the stand examination is completed.

**Even-aged Harvest Methods:** General category for harvest methods designed to regenerate a stand with a single age class. The result is a stand of trees containing a single age class in which the range of tree ages is usually less than 20 percent of rotation age. Best suited for management of shade-intolerant species, such as aspen, birch, and jack pine.

- **Clearcut with Reserves:** Removal, or felling, in a single cutting, of essentially all trees in the stand, but leave trees are reserved. Reserve trees may be left in clumps, strips, or islands and they occupy a minimum of 5 percent of the clearcut harvest unit, or greater than five leave trees are left scattered throughout the harvested site.
- **Seed Tree:** An even-aged regeneration method in which an area is clearcut except that certain trees, called seed trees, are left standing singly or in groups for the purpose of providing seed to restock the cleared area. Seed trees may be removed after regeneration is established.
- **Shelterwood:** A method of regenerating an even-aged stand by a series of partial cuttings, resembling thinnings, that extend over a small fraction of the rotation and provide protected seedbeds for regeneration. The sequence of treatments can include three distinct types of cuttings: a) an option preparatory cut to enhance seed production, b) an establishment cut to prepare the seedbed and to create a new age class, and c) a final removal cut to release established regeneration. The final removal cut may retain leave or reserve trees.

**Uneven-aged Harvest Methods:** Methods of regenerating a stand, and maintaining an uneven-aged structure by removing some trees in all size classes either singly, in small groups, or in strips. The result is a stand of trees of three or more distinct age classes, either intimately mixed or in small groups. Best suited for management of shade-tolerant species, such as northern hardwoods.

- **Group Selection:** A method of regenerating uneven-aged stands in which trees are removed, and new age classes are established, in small groups. The maximum width of the groups is approximately twice the height of the mature trees. Also, known as gap management.
- **Single Tree Selection:** A method of creating new age classes in uneven-aged stands in which individual trees of all size classes are removed more-or-less uniformly throughout the stand to achieve a desired stand structure.

**Intermediate Harvest:** A harvest designed to enhance growth, quality, vigor, and composition of the stand after establishment or regeneration and prior to final harvest.

- **Thinning:** A harvest made to reduce the density of trees within a forest stand primarily to improve growth, enhance forest health, or recover potential mortality. *Commercial thinning* (general prescription) is thinning after the trees are of merchantable size for timber markets. *Row or strip thinning* is thinning in which selected rows or strips are harvested, usually used during the initial thinning, providing equipment operating room for future selective thinnings. *Selective thinning* is thinning in which individual trees that have been marked or specified (e.g., by diameter, spacing, or quality) are harvested.

**Decorative Tree Harvest:** Selective harvest of small trees or tree tops for decorative use, such as Christmas trees and winter greenery. Primarily done in the stagnant spruce cover type.

**High Risk, Low Volume:** Stands with an HRLV prescription require a field visit to determine the detailed management prescription. They are identified based on one or more of the following: 1) stands coded as high risk in the forest inventory, 2) significant insect or disease damage to the main species in the stand, 3) stands over rotation age at time of survey with total stand volume less than 8 cords per acre (i.e., low volume), or 4) a stand over the recommended maximum rotation age for the cover type (e.g., aspen over 85 years old). Also includes stands referred to as a “low-density stand pool,” which includes stands with very low stocking or volume per acre. These stands will be field visited to determine the treatment to apply (e.g., appraise and sell on a timber sale; manage for an adequately stocked regenerating species; regenerate through the use of forest development practices such as site preparation and planting; defer the treatment to a future year; or reinventory it to correct or update the stand data. The field visit decision tree (Appendix E in the Strategic Direction Document) provides guidance on how stands with this prescription should be treated.

**On-Site Visit:** The stand needs a field visit to accurately determine the stand condition in order to make a management prescription.

See Appendix B: Prescription Codes and Definitions for the full list of harvest prescriptions used by the DNR.

Subsection	Forestry Area	Location ID	Stand	Sec	Twp	Rge	EW	Cover Type	Acres	Age	Preliminary Prescription	Year	Access
Laurentian Uplands	Two Harbors	t05710w1170207	207	17	57	10	w	Birch	6	75	High Risk - Low Volume	2009	0.0
Laurentian Uplands	Two Harbors	t05711w1100127	127	10	57	11	w	Aspen	15	58	High Risk - Low Volume	2012	0.0
Laurentian Uplands	Two Harbors	t05711w1160201	201	16	57	11	w	Aspen	47	65	Clearcut with Reserves	2006	0.0
Laurentian Uplands	Two Harbors	t05810w1210158	158	21	58	10	w	Birch	18	63	High Risk - Low Volume	2007	0.0
Laurentian Uplands	Hibbing	t05812w1050026	26	5	58	12	w	Aspen	10	109	High Risk - Low Volume	2006	0.0
Laurentian Uplands	Two Harbors	t05909w1030019	19	3	59	9	w	Aspen	14	82	Clearcut with Reserves	2014	0.3
Laurentian Uplands	Two Harbors	t05909w1030026	26	3	59	9	w	Aspen	12	96	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Two Harbors	t05909w1040028	28	4	59	9	w	Aspen	15	114	High Risk - Low Volume	2014	0.6
Laurentian Uplands	Two Harbors	t05909w1160132	132	16	59	9	w	Aspen	51	79	Clearcut with Reserves	2007	0.0
Laurentian Uplands	Two Harbors	t05910w1020015	15	2	59	10	w	Birch	6	116	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Two Harbors	t05910w1020016	16	2	59	10	w	Birch	6	116	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Two Harbors	t05911w1040014	14	4	59	11	w	Balsam Fir	6	83	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Two Harbors	t05911w1070041	41	7	59	11	w	White Pine	82	164	Thinning	2008	0.0
Laurentian Uplands	Two Harbors	t05911w1070043	43	7	59	11	w	White Pine	3	153	Thinning	2008	0.0
Laurentian Uplands	Two Harbors	t05911w1070324	324	7	59	11	w	Aspen	5	99	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Two Harbors	t05911w1080037	37	8	59	11	w	Balsam Fir	29	90	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Two Harbors	t05911w1090030	30	9	59	11	w	Jack Pine	5	121	High Risk - Low Volume	2008	1.0
Laurentian Uplands	Two Harbors	t05911w1090039	39	9	59	11	w	Black Spruce Upland	12	105	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Two Harbors	t05911w1110034	34	11	59	11	w	Red Pine	3	207	Thinning	2010	0.3
Laurentian Uplands	Two Harbors	t05911w1260110	110	26	59	11	w	Aspen	32	92	High Risk - Low Volume	2010	0.0
Laurentian Uplands	Tower	t05912w1230087	87	23	59	12	w	Balsam Fir	10	71	Clearcut with Reserves	2014	1.5
Laurentian Uplands	Tower	t05912w1240058	58	24	59	12	w	Balsam Fir	11	72	High Risk - Low Volume	2014	0.0
Laurentian Uplands	Tower	t05912w1240097	97	24	59	12	w	Red Pine	2	123	Thinning	2014	0.0
Laurentian Uplands	Tower	t05913w1200035	35	20	59	13	w	Black Spruce Upland	59	76	Clearcut with Reserves	2012	0.0
Laurentian Uplands	Tower	t05913w1290049	49	29	59	13	w	Black Spruce Upland	19	93	Clearcut with Reserves	2012	0.5
Laurentian Uplands	Tower	t05914w1130094	94	13	59	14	w	Balsam Fir	8	55	Clearcut with Reserves	2006	0.0
Laurentian Uplands	Two Harbors	t06006w1160074	74	16	60	6	w	Birch	23	108	High Risk - Low Volume	2009	0.0
Laurentian Uplands	Tower	t06010w1170045	45	17	60	10	w	Jack Pine	4	83	High Risk - Low Volume	2007	0.0
Laurentian Uplands	Tower	t06010w1320159	159	32	60	10	w	Black Spruce Upland	9	75	High Risk - Low Volume	2012	0.0
Laurentian Uplands	Tower	t06011w1120040	40	12	60	11	w	Jack Pine	10	105	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Tower	t06011w1300127	127	30	60	11	w	Balsam Fir	13	75	High Risk - Low Volume	2013	0.0
Laurentian Uplands	Tower	t06011w1360153	153	36	60	11	w	Red Pine	3	90	Thinning	2013	0.3
Laurentian Uplands	Tower	t06012w1220178	178	22	60	12	w	Red Pine	4	87	Thinning	2014	0.0

Subsection	Forestry Area	Location ID	Stand	Sec	Twp	Rge	EW	Cover Type	Acres	Age	Preliminary Prescription	Year	Access
Laurentian Uplands	Tower	t06012w1270207	207	27	60	12	w	Red Pine	3	105	Thinning	2014	0.0
Laurentian Uplands	Tower	t06012w1360279	279	36	60	12	w	Birch	21	101	High Risk - Low Volume	2005	0.1
Laurentian Uplands	Two Harbors	t06104w1010005	5	1	61	4	w	Birch	19	115	High Risk - Low Volume	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1010006	6	1	61	4	w	Birch	16	115	High Risk - Low Volume	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1010015	15	1	61	4	w	Jack Pine	5	100	High Risk - Low Volume	2011	0.5
Laurentian Uplands	Two Harbors	t06104w1010180	180	1	61	4	w	White Pine	1	94	Thinning	2011	0.2
Laurentian Uplands	Two Harbors	t06104w1010181	181	1	61	4	w	White Pine	9	94	Thinning	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1040119	119	4	61	4	w	White Pine	9	103	Thinning	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1050017	17	5	61	4	w	Birch	9	100	High Risk - Low Volume	2010	0.6
Laurentian Uplands	Two Harbors	t06104w1050020	20	5	61	4	w	Birch	25	100	High Risk - Low Volume	2010	0.0
Laurentian Uplands	Two Harbors	t06104w1050108	108	5	61	4	w	White Pine	5	102	Thinning	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1060053	53	6	61	4	w	White Pine	19	115	Thinning	2011	0.4
Laurentian Uplands	Two Harbors	t06104w1060120	120	6	61	4	w	White Pine	7	109	Thinning	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1120071	71	12	61	4	w	Birch	14	99	High Risk - Low Volume	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1160077	77	16	61	4	w	Aspen	7	104	High Risk - Low Volume	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1160135	135	16	61	4	w	Aspen	6	97	High Risk - Low Volume	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1160136	136	16	61	4	w	White Pine	10	129	Thinning	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1160141	141	16	61	4	w	White Pine	3	104	Thinning	2011	0.0
Laurentian Uplands	Two Harbors	t06104w1160145	145	16	61	4	w	White Pine	30	111	Thinning	2011	0.0
Laurentian Uplands	Two Harbors	t06204w1070032	32	7	62	4	w	Jack Pine	8	82	High Risk - Low Volume	2008	0.0
Laurentian Uplands	Two Harbors	t06204w1160066	66	16	62	4	w	White Spruce	71	29	Uneven-Aged Harvest	2007	0.0
Laurentian Uplands	Two Harbors	t06204w1160117	117	16	62	4	w	Red Pine	21	26	Thinning	2009	0.0
Laurentian Uplands	Two Harbors	t06204w1170062	62	17	62	4	w	Balsam Fir	13	72	Clearcut with Reserves	2005	0.0
Laurentian Uplands	Two Harbors	t06204w1220378	378	22	62	4	w	Red Pine	4	92	Thinning	2010	0.2
Laurentian Uplands	Two Harbors	t06204w1270265	265	27	62	4	w	Birch	5	85	High Risk - Low Volume	2009	0.0
Laurentian Uplands	Two Harbors	t06204w1270268	268	27	62	4	w	Birch	17	85	High Risk - Low Volume	2009	0.0
Laurentian Uplands	Two Harbors	t06204w1280281	281	28	62	4	w	Jack Pine	8	81	High Risk - Low Volume	2014	0.0
Laurentian Uplands	Two Harbors	t06204w1280283	283	28	62	4	w	Jack Pine	19	81	High Risk - Low Volume	2014	0.0
Laurentian Uplands	Two Harbors	t06204w1320342	342	32	62	4	w	White Pine	16	107	Thinning	2011	0.0
Laurentian Uplands	Two Harbors	t06204w1320347	347	32	62	4	w	White Pine	7	107	Thinning	2011	0.8
Laurentian Uplands	Two Harbors	t06204w1320358	358	32	62	4	w	Red Pine	27	107	Thinning	2012	0.0
Laurentian Uplands	Two Harbors	t06204w1340329	329	34	62	4	w	Birch	28	93	High Risk - Low Volume	2009	0.2
North Shore Highlands	Cloquet	t04817w1070169	169	7	48	17	w	Aspen	6	76	Clearcut with Reserves	2006	0.2
North Shore Highlands	Cloquet	t04919w1060143	143	6	49	19	w	Red Pine	5	102	Thinning	2013	0.6
North Shore Highlands	Cloquet	t04919w1100332	332	10	49	19	w	Red Pine	10	38	Thinning	2012	0.0

Subsection	Forestry Area	Location ID	Stand	Sec	Twp	Rge	EW	Cover Type	Acres	Age	Preliminary Prescription	Year	Access
North Shore Highlands	Cloquet	t04919w1100333	333	10	49	19	w	Red Pine	2	38	Thinning	2012	0.0
North Shore Highlands	Cloquet	t04919w1100357	357	10	49	19	w	Black Spruce Lowland	11	121	Clearcut with Reserves	2009	0.0
North Shore Highlands	Cloquet	t04919w1130482	482	13	49	19	w	Aspen	5	79	Clearcut with Reserves	2005	0.0
North Shore Highlands	Cloquet	t04919w1140912	912	14	49	19	w	Red Pine	5	58	Thinning	2006	0.0
North Shore Highlands	Cloquet	t04919w1150378	378	15	49	19	w	White Pine	5	96	Thinning	2009	0.0
North Shore Highlands	Cloquet	t04919w1240516	516	24	49	19	w	Birch	8	103	High Risk - Low Volume	2010	0.0
North Shore Highlands	Cloquet	t04919w1240961	961	24	49	19	w	Red Pine	21	17	Thinning	2010	0.0
North Shore Highlands	Cloquet	t04920w1240320	320	24	49	20	w	White Spruce	3	54	Uneven-Aged Harvest	2011	0.0
North Shore Highlands	Two Harbors	t05212w1360088	88	36	52	12	w	White Pine	13	17	Thinning	2006	0.0
North Shore Highlands	Two Harbors	t05212w1360095	95	36	52	12	w	White Pine	41	137	Thinning	2009	0.0
North Shore Highlands	Cloquet	t05213w1090089	89	9	52	13	w	Red Pine	11	18	Thinning	2013	0.6
North Shore Highlands	Cloquet	t05215w1160025	25	16	52	15	w	Birch	6	87	High Risk - Low Volume	2009	0.0
North Shore Highlands	Cloquet	t05215w1160176	176	16	52	15	w	Aspen	24	86	High Risk - Low Volume	2009	0.0
North Shore Highlands	Cloquet	t05215w1190118	118	19	52	15	w	Red Pine	40	88	Thinning	2012	0.0
North Shore Highlands	Cloquet	t05215w1190128	128	19	52	15	w	Birch	11	58	High Risk - Low Volume	2012	0.0
North Shore Highlands	Cloquet	t05215w1190129	129	19	52	15	w	Red Pine	8	85	Thinning	2012	0.0
North Shore Highlands	Cloquet	t05216w1270167	167	27	52	16	w	White Pine	16	65	Thinning	2012	0.0
North Shore Highlands	Cloquet	t05216w1360299	299	36	52	16	w	Birch	66	82	Clearcut with Reserves	2011	0.0
North Shore Highlands	Two Harbors	t05312w1100031	31	10	53	12	w	Birch	7	82	Clearcut with Reserves	2010	0.0
North Shore Highlands	Two Harbors	t05312w1160043	43	16	53	12	w	Aspen	62	76	Clearcut with Reserves	2005	0.0
North Shore Highlands	Two Harbors	t05312w1160045	45	16	53	12	w	Birch	59	72	High Risk - Low Volume	2005	0.0
North Shore Highlands	Two Harbors	t05312w1190096	96	19	53	12	w	Birch	11	72	High Risk - Low Volume	2005	0.0
North Shore Highlands	Two Harbors	t05312w1190097	97	19	53	12	w	Birch	22	72	High Risk - Low Volume	2005	0.0
North Shore Highlands	Two Harbors	t05312w1190153	153	19	53	12	w	White Spruce	15	68	Uneven-Aged Harvest	2014	0.0
North Shore Highlands	Two Harbors	t05312w1200082	82	20	53	12	w	White Spruce	7	59	Uneven-Aged Harvest	2014	0.0
North Shore Highlands	Two Harbors	t05312w1270120	120	27	53	12	w	Red Pine	4	54	Thinning	2006	0.3
North Shore Highlands	Cloquet	t05313w1160201	201	16	53	13	w	Red Pine	71	21	Thinning	2012	0.0
North Shore Highlands	Cloquet	t05313w1300152	152	30	53	13	w	Black Spruce Lowland	15	146	Clearcut with Reserves	2006	0.0
North Shore Highlands	Cloquet	t05314w1090075	75	9	53	14	w	White Pine	25	125	Thinning	2012	0.0
North Shore Highlands	Cloquet	t05314w1090077	77	9	53	14	w	White Pine	23	115	Thinning	2012	0.0
North Shore Highlands	Cloquet	t05314w1090082	82	9	53	14	w	White Pine	11	18	Thinning	2014	0.0
North Shore Highlands	Cloquet	t05314w1090106	106	9	53	14	w	White Pine	27	120	Thinning	2012	0.0
North Shore Highlands	Cloquet	t05314w1090107	107	9	53	14	w	White Pine	27	120	Thinning	2012	0.0
North Shore Highlands	Cloquet	t05314w1090111	111	9	53	14	w	Red Pine	17	17	Thinning	2014	0.0
North Shore Highlands	Cloquet	t05314w1090113	113	9	53	14	w	Red Pine	17	17	Thinning	2014	0.0

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North Shore Highlands	Cloquet	t05314w1160135	135	16	53	14	w	White Pine	84	93	Thinning	2008	0.0
North Shore Highlands	Cloquet	t05314w1160145	145	16	53	14	w	Red Pine	54	96	Thinning	2008	0.0
North Shore Highlands	Cloquet	t05314w1160146	146	16	53	14	w	Red Pine	34	110	Thinning	2010	0.0
North Shore Highlands	Cloquet	t05314w1160147	147	16	53	14	w	Red Pine	3	26	Thinning	2008	0.0
North Shore Highlands	Cloquet	t05314w1160148	148	16	53	14	w	White Pine	12	104	Thinning	2010	0.0
North Shore Highlands	Cloquet	t05314w1160151	151	16	53	14	w	Red Pine	13	95	Thinning	2008	0.0
North Shore Highlands	Cloquet	t05314w1360217	217	36	53	14	w	White Spruce	18	70	Uneven-Aged Harvest	2013	0.0
North Shore Highlands	Two Harbors	t05410w1360093	93	36	54	10	w	Aspen	18	82	High Risk - Low Volume	2008	0.0
North Shore Highlands	Two Harbors	t05411w1160060	60	16	54	11	w	Northern Hardwoods	40	101	Uneven-Aged Harvest	2005	0.0
North Shore Highlands	Two Harbors	t05411w1160069	69	16	54	11	w	Northern Hardwoods	40	97	Uneven-Aged Harvest	2005	0.0
North Shore Highlands	Two Harbors	t05411w1160074	74	16	54	11	w	Northern Hardwoods	10	97	Uneven-Aged Harvest	2005	0.0
North Shore Highlands	Two Harbors	t05411w1360052	52	36	54	11	w	Northern Hardwoods	9	60	Uneven-Aged Harvest	2014	0.0
North Shore Highlands	Two Harbors	t05412w1100082	82	10	54	12	w	Aspen	17	78	Clearcut with Reserves	2008	0.0
North Shore Highlands	Two Harbors	t05412w1110071	71	11	54	12	w	Aspen	17	68	Clearcut with Reserves	2006	0.0
North Shore Highlands	Two Harbors	t05412w1110076	76	11	54	12	w	Aspen	21	82	Clearcut with Reserves	2008	0.5
North Shore Highlands	Two Harbors	t05412w1110077	77	11	54	12	w	Aspen	28	78	Clearcut with Reserves	2008	0.0
North Shore Highlands	Two Harbors	t05412w1160008	8	16	54	12	w	White Pine	30	109	Thinning	2009	0.0
North Shore Highlands	Two Harbors	t05412w1160010	10	16	54	12	w	White Pine	30	112	Thinning	2009	0.0
North Shore Highlands	Two Harbors	t05412w1160012	12	16	54	12	w	White Pine	32	107	Thinning	2006	0.0
North Shore Highlands	Two Harbors	t05412w1160014	14	16	54	12	w	White Pine	49	116	Thinning	2006	0.0
North Shore Highlands	Two Harbors	t05412w1200098	98	20	54	12	w	White Spruce	4	72	Uneven-Aged Harvest	2014	1.0
North Shore Highlands	Cloquet	t05413w1160054	54	16	54	13	w	Birch	10	50	High Risk - Low Volume	2006	0.0
North Shore Highlands	Cloquet	t05413w1360133	133	36	54	13	w	White Pine	5	93	Thinning	2014	0.0
North Shore Highlands	Two Harbors	t05508w1080036	36	8	55	8	w	White Spruce	8	133	High Risk - Low Volume	2014	0.0
North Shore Highlands	Two Harbors	t05512w1030023	23	3	55	12	w	White Pine	6	109	Thinning	2006	0.0
North Shore Highlands	Two Harbors	t05512w1160083	83	16	55	12	w	Red Pine	8	43	Thinning	2013	0.0
North Shore Highlands	Cloquet	t05513w1360088	88	36	55	13	w	Red Pine	25	60	Thinning	2008	0.0
North Shore Highlands	Cloquet	t05513w1360106	106	36	55	13	w	Red Pine	11	85	Thinning	2008	0.0
North Shore Highlands	Cloquet	t05513w1360122	122	36	55	13	w	Red Pine	4	60	Thinning	2008	0.0
North Shore Highlands	Two Harbors	t05607w1200188	188	20	56	7	w	Aspen	8	91	High Risk - Low Volume	2008	0.0
North Shore Highlands	Two Harbors	t05707w1130120	120	13	57	7	w	White Spruce	2	80	High Risk - Low Volume	2009	0.0
North Shore Highlands	Two Harbors	t05708w1030056	56	3	57	8	w	Balsam Fir	20	91	High Risk - Low Volume	2012	1.0
North Shore Highlands	Two Harbors	t05708w1350983	983	35	57	8	w	Northern Hardwoods	15	115	Uneven-Aged Harvest	2008	0.0
North Shore Highlands	Two Harbors	t05806w1070268	268	7	58	6	w	Balsam Fir	8	71	Clearcut with Reserves	2012	0.0
North Shore Highlands	Two Harbors	t05807w1270274	274	27	58	7	w	Birch	21	95	High Risk - Low Volume	2007	0.0

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North Shore Highlands	Two Harbors	t05807w1280273	273	28	58	7	w	Birch	5	95	High Risk - Low Volume	2007	0.0
North Shore Highlands	Two Harbors	t05807w1300322	322	30	58	7	w	Balsam Fir	12	56	High Risk - Low Volume	2011	0.0
North Shore Highlands	Two Harbors	t05807w1300339	339	30	58	7	w	Balsam Fir	18	80	High Risk - Low Volume	2011	0.0
North Shore Highlands	Two Harbors	t05808w1260577	577	26	58	8	w	Birch	24	50	High Risk - Low Volume	2013	0.0
North Shore Highlands	Two Harbors	t05809w1350549	549	35	58	9	w	Birch	2	82	High Risk - Low Volume	2011	0.0
North Shore Highlands	Two Harbors	t05906w1300158	158	30	59	6	w	Balsam Fir	10	73	High Risk - Low Volume	2013	1.0
North Shore Highlands	Two Harbors	t05907w1140067	67	14	59	7	w	White Pine	3	15	Thinning	2013	0.0
North Shore Highlands	Two Harbors	t05907w1340239	239	34	59	7	w	Birch	17	92	High Risk - Low Volume	2010	0.0
North Shore Highlands	Two Harbors	t06002w1190117	117	19	60	2	w	White Spruce	26	28	Uneven-Aged Harvest	2007	0.0
North Shore Highlands	Two Harbors	t06002w1190119	119	19	60	2	w	White Spruce	13	28	Uneven-Aged Harvest	2007	0.0
North Shore Highlands	Two Harbors	t06003w1020016	16	2	60	3	w	Birch	21	86	High Risk - Low Volume	2014	0.0
North Shore Highlands	Two Harbors	t06006w1360282	282	36	60	6	w	Birch	21	82	High Risk - Low Volume	2008	0.0
North Shore Highlands	Two Harbors	t06006w1360292	292	36	60	6	w	Birch	28	82	High Risk - Low Volume	2008	0.2
North Shore Highlands	Two Harbors	t06101w1160054	54	16	61	1	w	White Spruce	11	77	High Risk - Low Volume	2011	0.0
North Shore Highlands	Two Harbors	t06201e1130106	106	13	62	1	e	Aspen	8	84	High Risk - Low Volume	2013	0.0
North Shore Highlands	Two Harbors	t06201e1220168	168	22	62	1	e	Aspen	18	78	High Risk - Low Volume	2008	0.3
North Shore Highlands	Two Harbors	t06201e1220171	171	22	62	1	e	Aspen	20	76	High Risk - Low Volume	2008	0.0
North Shore Highlands	Two Harbors	t06201e1220174	174	22	62	1	e	Aspen	12	78	High Risk - Low Volume	2008	0.0
North Shore Highlands	Two Harbors	t06202e1160039	39	16	62	2	e	Aspen	98	80	Clearcut with Reserves	2005	0.0
North Shore Highlands	Two Harbors	t06202e1360091	91	36	62	2	e	White Pine	3	106	Thinning	2013	0.0
North Shore Highlands	Two Harbors	t06203w1360164	164	36	62	3	w	Aspen	67	97	High Risk - Low Volume	2006	0.0
North Shore Highlands	Two Harbors	t06204e1160044	44	16	62	4	e	Aspen	9	98	High Risk - Low Volume	2007	0.0
Toimi Uplands	Cloquet	t05216w1160050	50	16	52	16	w	Balsam Fir	33	89	High Risk - Low Volume	2006	0.0
Toimi Uplands	Cloquet	t05216w1220104	104	22	52	16	w	White Pine	11	69	Thinning	2014	0.0
Toimi Uplands	Cloquet	t05216w1220143	143	22	52	16	w	White Pine	3	84	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05216w1290287	287	29	52	16	w	Red Pine	9	54	Thinning	2011	0.0
Toimi Uplands	Cloquet	t05216w1320215	215	32	52	16	w	Aspen	6	69	Clearcut with Reserves	2011	0.0
Toimi Uplands	Cloquet	t05216w1320239	239	32	52	16	w	Aspen	8	57	Clearcut with Reserves	2011	0.0
Toimi Uplands	Cloquet	t05217w1360387	387	36	52	17	w	Aspen	25	63	Clearcut with Reserves	2013	0.0
Toimi Uplands	Cloquet	t05314w1030011	11	3	53	14	w	Aspen	5	71	Clearcut with Reserves	2009	0.0
Toimi Uplands	Cloquet	t05314w1030026	26	3	53	14	w	Aspen	3	77	Clearcut with Reserves	2009	0.0
Toimi Uplands	Cloquet	t05315w1340058	58	34	53	15	w	Aspen	11	82	High Risk - Low Volume	2005	0.2
Toimi Uplands	Cloquet	t05316w1360324	324	36	53	16	w	Aspen	63	76	Clearcut with Reserves	2005	0.0
Toimi Uplands	Cloquet	t05316w1360327	327	36	53	16	w	Aspen	24	69	Clearcut with Reserves	2005	0.4
Toimi Uplands	Cloquet	t05316w1360329	329	36	53	16	w	Balsam Fir	16	75	High Risk - Low Volume	2005	0.0

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Toimi Uplands	Cloquet	t05316w1360332	332	36	53	16	w	Balsam Fir	29	66	High Risk - Low Volume	2005	0.0
Toimi Uplands	Cloquet	t05414w1160051	51	16	54	14	w	White Spruce	76	36	Thinning	2014	0.0
Toimi Uplands	Cloquet	t05414w1330230	230	33	54	14	w	Red Pine	7	114	Thinning	2012	0.0
Toimi Uplands	Cloquet	t05414w1330234	234	33	54	14	w	White Spruce	8	96	Uneven-Aged Harvest	2012	0.3
Toimi Uplands	Cloquet	t05414w1330240	240	33	54	14	w	Red Pine	11	114	Thinning	2012	0.0
Toimi Uplands	Cloquet	t05414w1350184	184	35	54	14	w	Aspen	16	82	Clearcut with Reserves	2006	0.0
Toimi Uplands	Cloquet	t05414w1350187	187	35	54	14	w	Red Pine	32	42	Thinning	2011	0.0
Toimi Uplands	Cloquet	t05414w1360185	185	36	54	14	w	Red Pine	27	42	Thinning	2011	0.0
Toimi Uplands	Cloquet	t05414w1360237	237	36	54	14	w	Red Pine	18	90	Thinning	2011	0.0
Toimi Uplands	Cloquet	t05415w1360260	260	36	54	15	w	White Pine	60	104	Thinning	2011	0.0
Toimi Uplands	Cloquet	t05415w1360268	268	36	54	15	w	White Pine	65	104	Thinning	2011	0.0
Toimi Uplands	Cloquet	t05415w1360269	269	36	54	15	w	Balsam Fir	9	73	High Risk - Low Volume	2011	0.0
Toimi Uplands	Cloquet	t05415w1360270	270	36	54	15	w	Balsam Fir	15	73	High Risk - Low Volume	2011	0.0
Toimi Uplands	Cloquet	t05415w1360272	272	36	54	15	w	Tamarack	4	97	Clearcut with Reserves	2011	0.0
Toimi Uplands	Cloquet	t05514w1160192	192	16	55	14	w	Red Pine	14	27	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1160198	198	16	55	14	w	Red Pine	9	30	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1160203	203	16	55	14	w	Red Pine	36	99	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1160211	211	16	55	14	w	White Pine	16	95	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1160214	214	16	55	14	w	Red Pine	17	67	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1220232	232	22	55	14	w	Red Pine	14	74	Thinning	2006	0.0
Toimi Uplands	Cloquet	t05514w1220262	262	22	55	14	w	Red Pine	11	66	Thinning	2005	0.0
Toimi Uplands	Cloquet	t05514w1220271	271	22	55	14	w	Red Pine	27	50	Thinning	2005	0.0
Toimi Uplands	Cloquet	t05514w1220280	280	22	55	14	w	Red Pine	23	25	Thinning	2006	0.0
Toimi Uplands	Cloquet	t05514w1220285	285	22	55	14	w	Red Pine	11	80	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1220298	298	22	55	14	w	Red Pine	45	81	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1220305	305	22	55	14	w	Red Pine	18	30	Thinning	2006	0.0
Toimi Uplands	Cloquet	t05514w1220315	315	22	55	14	w	White Spruce	9	64	Uneven-Aged Harvest	2006	0.0
Toimi Uplands	Cloquet	t05514w1220340	340	22	55	14	w	Red Pine	22	86	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1220583	583	22	55	14	w	White Spruce	27	66	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1220584	584	22	55	14	w	White Pine	61	86	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1230278	278	23	55	14	w	Red Pine	68	71	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1230281	281	23	55	14	w	White Pine	39	62	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1230351	351	23	55	14	w	Red Pine	50	66	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1230354	354	23	55	14	w	Red Pine	11	31	Thinning	2009	0.0
Toimi Uplands	Cloquet	t05514w1270400	400	27	55	14	w	White Pine	14	66	Thinning	2013	0.0

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Toimi Uplands	Cloquet	t05514w1270587	587	27	55	14	w	White Pine	28	66	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1270604	604	27	55	14	w	White Spruce	12	65	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1270625	625	27	55	14	w	White Spruce	15	39	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1270666	666	27	55	14	w	Red Pine	25	63	Thinning	2013	0.0
Toimi Uplands	Cloquet	t05514w1290624	624	29	55	14	w	Red Pine	23	43	Thinning	2007	0.0
Toimi Uplands	Cloquet	t05514w1360645	645	36	55	14	w	Red Pine	8	69	Thinning	2012	0.0
Toimi Uplands	Cloquet	t05514w1360655	655	36	55	14	w	Birch	34	87	High Risk - Low Volume	2006	0.0
Toimi Uplands	Cloquet	t05515w1360339	339	36	55	15	w	White Spruce	62	78	Uneven-Aged Harvest	2014	0.0
Toimi Uplands	Hibbing	t05614w1080022	22	8	56	14	w	Aspen	71	70	High Risk - Low Volume	2010	0.0
Toimi Uplands	Hibbing	t05614w1160157	157	16	56	14	w	Jack Pine	18	62	On-site Evaluation	2009	0.0
Toimi Uplands	Hibbing	t05615w1360097	97	36	56	15	w	Red Pine	16	113	Thinning	2009	0.0
Toimi Uplands	Two Harbors	t05712w1040018	18	4	57	12	w	Birch	17	87	High Risk - Low Volume	2009	2.5
Toimi Uplands	Two Harbors	t05712w1360142	142	36	57	12	w	Black Spruce Upland	8	104	High Risk - Low Volume	2007	0.0