

## Appendix C

### Stand by Stand List of Proposed Harvest and Reforestation Treatments for Northwest Howell

Comp/ Stand	M.A.	ACRES	HARVEST TYPE	REFOREST TYPE	FOREST TYPE	TYPE OBJECTIVE	ORIGIN	2002 AGE	SOIL TYPE	SURVEY YEAR	PROJECTED 2002 MERCH BASAL AREA	DESIRED BASAL AREA
2017024	2.1	13.9	Clearcut	SP-Natural	Aspen	Aspen	1937	65	Pence	1993	103	0
2030027	2.1	25.3	Clearcut	SP-Natural	Aspen	Aspen	1955	47	Stam/Padus	1994	114	0
2034015	1.1	8.1	Clearcut	Plant	Jack Pine	Jack Pine	1936	66	Pence	1994	106	0
2034066	1.1	11.3	Clearcut	Plant	Jack Pine	Jack Pine	1938	64	Pence	1994	166	0
2038040	4.1	15.8	Clearcut	Plant	Jack Pine	Jack Pine	1937	65	Vilas	1993	155	0
2081009	1.1	35.8	Clearcut	SP-Natural	Aspen	Aspen	1938	64	Stam/Padus	1998	96	0
2081018	1.1	7.6	Clearcut	SP-Natural	Aspen	Aspen	1936	66	Stam/Padus	1998	105	0
2081022	1.1	16.0	Clearcut	SP-Natural	Aspen	Aspen	1937	65	Stam/Padus	1998	85	0
2083002	2.1	38.2	Clearcut	SP-Natural	Aspen	Aspen	1937	65	Pence	1998	110	0
2083028	2.1	10.4	Clearcut	SP-Natural	Aspen	Aspen	1935	67	Stam/Padus	1998	118	0
2084005	2.1	14.6	Clearcut	SP-Natural	Aspen	Aspen	1934	68	Stam/Padus	1998	155	0
2086013	1.1	10.3	Clearcut	Plant	Jack Pine	Jack Pine	1937	65	Vilas	1999	123	0
2087022	1.1	3.3	Clearcut	SP-Natural	Aspen	Aspen	1925	77	Stam/Padus	1996	112	0
2087025	1.1	2.1	Clearcut	SP-Natural	Aspen	Aspen	1950	52	Stam/Padus	1996	140	0
2087048	1.1	29.3	Clearcut	Burn	Jack Pine	Jack Pine	1938	64	Pence	1996	139	0
2087055	1.1	18.3	Clearcut	Burn	Jack Pine	Jack Pine	1938	64	Pence	1996	145	0
3013005	4.1	32.0	Clearcut	SP-Natural	Aspen	Aspen	1941	61	Stam/Padus	1994	66	0
3104012	2.1	15.0	Clearcut	SP-Natural	Aspen	Balsam Fir	1950	52	Stam/Padus	2001	80	0
3105003	2.1	6.7	Clearcut	SP-Natural	Aspen	Balsam Fir	1960	42	Stam/Padus	1995	103	0
3111018	2.1	10.0	Clearcut	SP-Natural	Aspen	Aspen	1958	44	Iron River	1996	93	0
3112018	4.1	26.5	Clearcut	SP-Natural	Aspen	Aspen	1935	67	Stam/Padus	1994	114	0
3115020	4.1	5.4	Clearcut	SP-Natural	Aspen	Aspen	1935	67	Stam/Padus	1998	100	0
3121005	1.1	12.6	Clearcut	SP-Natural	Aspen	Aspen	1940	62	Stam/Padus	1997	112	0
3140012	2.1	8.8	Clearcut	SP-Natural	Aspen	Aspen	1938	64	Stam/Padus	1998	107	0
3142018	4.1	15.2	Clearcut	SP-Natural	Aspen	Aspen	1947	55	Stam/Padus	1998	90	0
3142023	4.1	15.0	Clearcut	SP-Natural	Aspen	Aspen	1940	62	Stam/Padus	1998	108	0
3142025	4.1	13.9	Clearcut	SP-Natural	Aspen	Aspen	1940	62	Stam/Padus	1998	118	0
3146027	4.1	15.7	Clearcut	SP-Natural	Aspen	Aspen	1945	57	Stam/Padus	1995	89	0
3146028	4.1	3.2	Clearcut	SP-Natural	Aspen	Aspen	1960	42	Iron River	1999	103	0
3148024	2.1	22.3	Clearcut	Plant	Jack Pine	Jack Pine	1938	64	Stam/Padus	1999	114	0
3152006	2.1	7.7	Clearcut	SP-Natural	Aspen	Aspen	1936	66	Stam/Padus	1999	116	0
3154001	4.1	3.9	Clearcut	SP-Natural	Balsam Fir	Balsam Fir	1936	66	Stam/Padus	1999	79	0
3154028	4.1	3.7	Clearcut	SP-Natural	Aspen	Aspen	1936	66	Stam/Padus	1999	109	0
3163022	2.1	3.8	Clearcut	SP-Natural	Aspen	Aspen	1951	51	Stam/Padus	1998	102	0
3163023	2.1	31.6	Clearcut	SP-Natural	Aspen	Aspen	1951	51	Stam/Padus	1998	132	0
2021017	2.1	17.1	Removal	Underplant	Aspen	Asp/Oak/PB	1952	50	Stam/Padus	1993	64	
2034010	1.1	16.7	Removal		Paper Birch	Paper Birch	1914	88	Pence	1999	64	
2034024	9.2	26.6	Removal	Underplant	Jack Pine	JP/WP	1938	64	Vilas	1994	136	
2034051	1.1	7.0	Removal		Jack Pine	WP/Oak	1938	64	Pence	1996	107	
2034054	9.2	27.8	Removal	Underplant	Jack Pine	WP/Oak	1938	64	Pence	1994	156	
2034055	1.1	12.8	Removal		Aspen	Aspen	1920	82	Pence	1994	81	
2034057	1.1	6.6	Removal		Aspen	Aspen	1928	74	Pence	1994	61	
2035016	9.2	11.5	Removal	Underplant	Jack Pine	JP/BF/WP/Oak	1937	65	Pence	1993	150	
2038043	9.2	29.4	Removal	Underplant	Jack Pine	BF/WP/Oak/RP	1937	65	Vilas	1993	156	
2040014	9.2	5.4	Removal	Underplant	Aspen	Mixed Hdwd	1961	41	Stam/Padus	1998	101	
3105005	2.1	8.0	Removal		Aspen	Mixed Hdwd	1960	42	Stam/Padus	1995	100	
3110002	4.1	7.8	Removal		Aspen	Asp/Sp/BF	1930	72	Stam/Padus	1998	90	
3121001	1.1	5.8	Removal		Aspen	Mixed Hdwd	1924	78	Stam/Padus	1997	60	
3121008	1.1	1.9	Removal		Aspen	White Pine	1964	38	Stam/Padus	1997	115	
3137003	1.1	10.4	Removal		Balsam Fir	Balsam Fir		UE	Stam/Padus	2001	100	
3137022	1.1	2.9	Removal		Paper Birch	Balsam Fir	1929	73	Pence	1993	75	
3138016	2.1	11.4	Removal		Paper Birch	Mixed Hdwd	1932	70	Stam/Padus	1997	97	
3138026	2.1	29.4	Removal		Paper Birch	Balsam Fir	1932	70	Pence	2001	80	
3143014	1.1	8.8	Removal		Aspen	Mixed Hdwd	1900	102	Stam/Padus	1999	100	
3148010	2.1	26.0	Removal		Aspen	Mixed Hdwd	1974	28	Stam/Padus	1999	101	
3149013	4.1	11.1	Removal		Aspen	Balsam Fir	1937	65	Stam/Padus	1999	109	
3149014	4.1	14.0	Removal		Aspen	Balsam Fir	1940	62	Stam/Padus	1999	99	
3149021	4.1	10.6	Removal		Aspen	Balsam Fir	1937	65	Stam/Padus	1999	129	
3151014	4.1	20.3	Removal		Aspen	Balsam Fir	1959	43	Stam/Padus	1999	96	
3152020	2.1	12.6	Removal		Aspen	Asp/MH	1963	39	Stam/Padus	1999	69	
3154033	4.1	6.8	Removal		Aspen	Balsam Fir	1936	66	Stam/Padus	1999	59	
3156010	1.1	16.4	Removal		White Spruce	Upland Spruce	1962	40	Stam/Padus	1996	128	
2018017	2.1	42.3	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1920	82	Pence	1998	118	84
2030012	2.1	8.4	Selection		Mixed Hdwd	Mixed Hdwd	1904	98	Stam/Padus	2001	108	84

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2030013	2.1	229.4	Selection		Mixed Hdwd	Mixed Hdwd	1920	82	Stam/Padus	1999	117	84
2030030	9.2	62.1	Selection	Underplant	Mixed Hdwd	Mixed Hdwd	1935	67	Iron River	2001	122	84
2032016	2.1	65.3	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1930	72	Stam/Padus	1998	117	84
2035003	4.1	18.0	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1924	78	Stam/Padus	2001	134	84
2038003	9.2	13.1	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1917	85	Iron River	1993	126	84
2038042	9.2	7.8	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1950	52	Iron River	1993	143	84
2039010	2.1	50.3	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1930	72	Iron River	1998	126	84
2040007	2.1	33.5	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1936	66	Iron River	1998	116	84
2040011	2.1	82.1	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1936	66	Iron River	1998	120	84
2040013	2.1	35.5	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1936	66	Iron River	1998	120	84
2040018	2.1	14.1	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1932	70	Iron River	1998	135	84
2040021	9.2	37.1	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1936	66	Iron River	1998	124	84
2040022	9.2	22.5	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1936	66	Iron River	1998	114	84
2082004	1.1	44.8	Selection		Mixed Hdwd	Mixed Hdwd	1928	74	Stam/Padus	1998	114	84
2082014	1.1	15.9	Selection		Mixed Hdwd	Mixed Hdwd	1920	82	Stam/Padus	1998	128	84
2083011	2.1	12.7	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1915	87	Stam/Padus	1998	115	84
2083012	2.1	34.9	Selection		Mixed Hdwd	Mixed Hdwd	1915	87	Iron River	1998	119	84
2084007	2.1	58.3	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1933	69	Stam/Padus	1998	122	84
2084023	2.1	53.9	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1913	89	Iron River	1998	131	84
2087020	1.1	19.5	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1925	77	Stam/Padus	1996	142	84
2087021	1.1	36.5	Selection		Mixed Hdwd	Mixed Hdwd	1925	77	Stam/Padus	1996	115	84
2089012	1.1	34.8	Selection		Mixed Hdwd	Mixed Hdwd	1920	82	Stam/Padus	1997	105	84
3013002	4.1	13.5	Selection		Mixed Hdwd	Mixed Hdwd	1929	73	Stam/Padus	2001	105	84
3104008	2.1	180.5	Selection		Mixed Hdwd	Mixed Hdwd	1933	69	Iron River	2001	114	84
3105007	2.1	209.8	Selection		Mixed Hdwd	Mixed Hdwd	1920	82	Iron River	2000	119	84
3106010	2.1	155.9	Selection		Mixed Hdwd	Mixed Hdwd	1937	65	Iron River	1996	116	84
3107011	2.1	324.0	Selection		Mixed Hdwd	Mixed Hdwd	1925	77	Iron River	2000	109	84
3107014	2.1	65.8	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1933	69	Iron River	2000	113	84
3107024	2.1	42.7	Selection		Mixed Hdwd	Mixed Hdwd	1876	126	Iron River	2000	113	84
3107028	2.1	251.1	Selection		Mixed Hdwd	Mixed Hdwd		UE	Iron River	2000	106	84
3109003	4.1	42.5	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	2000	106	84
3111024	2.1	39.6	Selection		Mixed Hdwd	Mixed Hdwd		UE	Iron River	1996	126	84
3111025	2.1	41.3	Selection		Mixed Hdwd	Mixed Hdwd		UE	Iron River	1996	132	84
3111026	2.1	59.8	Selection		Mixed Hdwd	Mixed Hdwd	1932	70	Iron River	1996	112	84
3111028	2.1	131.2	Selection		Mixed Hdwd	Mixed Hdwd		UE	Iron River	1996	112	84
3111029	2.1	49.9	Selection		Mixed Hdwd	Mixed Hdwd	1932	70	Iron River	1996	124	84
3113011	4.1	25.9	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1924	78	Stam/Padus	2001	127	84
3115001	4.1	16.1	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1998	108	84
3115010	4.1	29.6	Selection		Mixed Hdwd	Mixed Hdwd	1937	65	Stam/Padus	1998	110	84
3115011	4.1	30.9	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1998	130	84
3116001	2.1	73.5	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1999	121	84
3116008	2.1	38.4	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1999	136	84
3116017	2.1	28.6	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	2002	115	84
3116019	2.1	25.8	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1941	61	Stam/Padus	2001	136	84
3117001	1.1	271.1	Selection		Mixed Hdwd	Mixed Hdwd	1924	78	Stam/Padus	1999	115	84
3117006	1.1	26.4	Selection		Mixed Hdwd	Mixed Hdwd	1930	72	Stam/Padus	1999	125	84
3118005	1.1	27.3	Selection		Mixed Hdwd	Mixed Hdwd	1926	76	Stam/Padus	1999	121	84
3118013	1.1	30.1	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1999	116	84
3118017	1.1	22.3	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1920	82	Stam/Padus	1997	108	84
3121045	1.1	2.9	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1932	70	Stam/Padus	2001	109	84
3139012	2.1	105.0	Selection		Mixed Hdwd	Mixed Hdwd	1938	64	Iron River	1998	102	84
3140002	2.1	2.9	Selection		Mixed Hdwd	Mixed Hdwd	1932	70	Iron River	1998	108	84
3141010	2.1	88.2	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1933	69	Stam/Padus	2001	115	84
3141013	2.1	91.6	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1932	70	Stam/Padus	2001	112	84
3142012	4.1	20.8	Selection		Mixed Hdwd	Mixed Hdwd	1920	82	Stam/Padus	1998	120	84
3142021	4.1	9.2	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1940	62	Stam/Padus	1998	113	84
3143009	1.1	44.8	Selection		Mixed Hdwd	Mixed Hdwd	1910	92	Stam/Padus	1999	108	84
3144004	2.1	198.4	Selection		Mixed Hdwd	Mixed Hdwd	1919	83	Stam/Padus	1998	120	84
3145020	1.1	12.6	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1939	63	Stam/Padus	1999	110	84
3146024	4.1	20.4	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1944	58	Iron River	1999	108	84
3147007	2.1	251.9	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1999	119	84
3147017	2.1	58.6	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1930	72	Stam/Padus	1999	106	84
3148004	2.1	62.7	Selection		Mixed Hdwd	Mixed Hdwd	1930	72	Iron River	1999	111	84
3148025	2.1	52.5	Selection		Mixed Hdwd	Mixed Hdwd	1930	72	Stam/Padus	1999	104	84

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3149001	4.1	104.8	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1999	110	84
3149004	4.1	21.6	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1860	142	Stam/Padus	1999	126	84
3151016	4.1	5.1	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1999	109	84
3151021	4.1	12.0	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1933	69	Iron River	2001	119	84
3151023	4.1	9.9	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1930	72	Iron River	1999	116	84
3151024	4.1	5.6	Selection		Mixed Hdwd	Mixed Hdwd	1931	71	Stam/Padus	1999	89	84
3151025	4.1	37.6	Selection		Mixed Hdwd	Mixed Hdwd	1933	69	Stam/Padus	1999	105	84
3152005	2.1	69.9	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1920	82	Stam/Padus	1999	122	84
3152008	2.1	56.3	Selection		Mixed Hdwd	Mixed Hdwd	1930	72	Stam/Padus	1999	106	84
3152009	2.1	193.0	Selection		Mixed Hdwd	Mixed Hdwd	1920	82	Iron River	1999	107	84
3153009	2.1	263.8	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	2000	112	84
3153010	2.1	45.7	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	2000	110	84
3155005	2.1	25.9	Selection		Mixed Hdwd	Mixed Hdwd	1926	76	Iron River	2000	104	84
3155022	2.1	98.0	Selection		Mixed Hdwd	Mixed Hdwd		UE	Iron River	2001	105	84
3156005	1.1	9.6	Selection		Mixed Hdwd	Mixed Hdwd	1938	64	Stam/Padus	1996	102	84
3157002	1.1	106.3	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1928	74	Stam/Padus	2001	116	84
3157004	1.1	45.8	Selection		Mixed Hdwd	Mixed Hdwd	1925	77	Stam/Padus	2002	110	84
3157006	1.1	14.2	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	2001	135	84
3157018	1.1	5.1	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1924	78	Stam/Padus	2001	115	84
3157019	1.1	55.7	Selection		Mixed Hdwd	Mixed Hdwd	1923	79	Stam/Padus	2001	119	84
3157021	1.1	16.2	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	2001	116	84
3158003	1.1	237.2	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1998	109	84
3158013	1.1	45.9	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1998	104	84
3162001	1.1	30.3	Selection		Mixed Hdwd	Mixed Hdwd	1922	80	Stam/Padus	1999	120	84
3162002	1.1	16.6	Selection	SP-Hdwd	Mixed Hdwd	Mixed Hdwd	1968	34	Stam/Padus	1999	118	84
3163001	2.1	53.3	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1999	118	84
3163006	2.1	16.1	Selection		Mixed Hdwd	Mixed Hdwd		UE	Stam/Padus	1999	116	84
3163008	2.1	13.1	Selection		Mixed Hdwd	Mixed Hdwd	1921	81	Stam/Padus	1999	114	84
2083031	2.1	4.8	Shelterwood		Paper Birch	Mixed Hdwd	1922	80	Pence	1999	106	84
2088011	1.1	16.7	Shelterwood	SP-Natural	Aspen	WP/MH	1925	77	Stam/Padus	1997	96	80
3109021	4.1	25.5	Shelterwood		Balsam Fir	Mixed Hdwd	1920	82	Stam/Padus	1992	80	60
3113020	4.1	13.7	Shelterwood		Aspen	Mixed Hdwd	1932	70	Pence	1993	106	70
3139011	2.1	47.1	Shelterwood		Aspen	Upland Spruce	1932	70	Iron River	2001	75	60
3145032	1.1	18.9	Shelterwood	Underplant	Aspen	White Pine	1955	47	Stam/Padus	1999	108	70
2017004	2.1	4.1	Thin		White Spruce	Upland Spruce	1945	57	Stam/Padus	1993	143	100
2038006	9.2	5.8	Thin		Red Pine	Red Pine	1964	38	Iron River	1993	118	90
2039007	2.1	9.4	Thin		White Spruce	Upland Spruce	1952	50	Stam/Padus	1998	200	100
2040001	2.1	15.3	Thin		White Spruce	Upland Spruce	1952	50	Stam/Padus	1998	205	100
2082025	1.1	4.0	Thin		Paper Birch	Paper Birch	1940	62	Vilas	1998	80	60
2082028	1.1	14.8	Thin		White Spruce	Upland Spruce	1947	55	Vilas	1998	136	100
2083017	2.1	8.5	Thin		White Spruce	Upland Spruce	1945	57	Pence	1998	121	100
2084018	2.1	8.7	Thin		Balsam Fir	Balsam Fir	1930	72	Stam/Padus	1998	160	90
2087008	1.1	4.3	Thin	Pruning	White Pine	White Pine	1930	72	Stam/Padus	1996	152	100
2087014	1.1	24.6	Thin		Red Pine	Red Pine	1940	62	Pence	1996	109	90
2088013	1.1	8.8	Thin		Red Pine	Red Pine	1943	59	Stam/Padus	1997	197	110
2089016	1.1	24.1	Thin		Red Pine	Red Pine	1938	64	Pence	1997	160	120
2089026	1.1	1.0	Thin		Red Pine	Red Pine	1970	32	Stam/Padus	1997	190	100
3013006	4.1	41.3	Thin		Red Pine	Red Pine	1937	65	Stam/Padus	1992	111	100
3112002	4.1	56.8	Thin		White Spruce	Upland Spruce	1940	62	Stam/Padus	1996	107	100
3112016	4.1	19.5	Thin		Red Pine	Red Pine	1939	63	Stam/Padus	1996	137	90
3112017	4.1	29.2	Thin		White Spruce	Upland Spruce	1940	62	Stam/Padus	1996	125	100
3114040	4.1	33.7	Thin		White Spruce	Upland Spruce	1949	53	Stam/Padus	1994	130	100
3115003	4.1	8.6	Thin		White Spruce	Upland Spruce	1942	60	Stam/Padus	1998	125	100
3115019	4.1	8.9	Thin		White Spruce	Upland Spruce	1935	67	Stam/Padus	1998	128	100
3117012	1.1	15.8	Thin		White Spruce	Upland Spruce	1971	31	Stam/Padus	1998	100	100
3118014	1.1	5.5	Thin		Red Pine	Red Pine	1940	62	Stam/Padus	1997	130	110
3121021	1.1	16.0	Thin		Paper Birch	Paper Birch	1939	63	Stam/Padus	1993	102	84
3137005	1.1	1.4	Thin		Red Pine	Red Pine	1892	110	Pence	1992	183	130
3137006	1.1	4.2	Thin		Red Pine	Red Pine	1893	109	Iron River	1992	147	140
3141003	2.1	7.9	Thin		White Spruce	Upland Spruce	1957	45	Stam/Padus	1992	100	100
3141015	2.1	1.9	Thin		Red Pine	Red Pine	1945	57	Stam/Padus	1998	152	100
3141019	2.1	11.2	Thin		White Spruce	Upland Spruce	1936	66	Stam/Padus	1993	101	100
3142007	4.1	5.5	Thin		White Spruce	Upland Spruce	1964	38	Stam/Padus	1998	105	100
3142020	4.1	8.3	Thin		Red Pine	Red Pine	1947	55	Stam/Padus	1998	158	100

## Appendix C

### Stand by Stand List of Proposed Harvest and Reforestation Treatments for Northwest Howell

Comp/ Stand	M.A.	ACRES	HARVEST TYPE	REFOREST TYPE	FOREST TYPE	TYPE OBJECTIVE	ORIGIN	2002 AGE	SOIL TYPE	SURVEY YEAR	PROJECTED 2002 MERCH BASAL AREA	DESIRED BASAL AREA
3145003	1.1	21.7	Thin		Red Pine	Red Pine	1940	62	Stam/Padus	1999	156	110
3145005	1.1	9.3	Thin		Red Pine	Red Pine	1939	63	Stam/Padus	1999	146	120
3145016	1.1	4.3	Thin		White Spruce	Upland Spruce	1942	60	Stam/Padus	1995	137	100
3145024	1.1	27.3	Thin		Red Pine	Red Pine	1942	60	Stam/Padus	1995	120	110
3146003	4.1	6.2	Thin		Red Pine	Red Pine	1928	74	Stam/Padus	1999	153	100
3146014	4.1	20.6	Thin		Red Pine	Red Pine	1939	63	Stam/Padus	1999	148	120
3146019	4.1	7.8	Thin		White Spruce	Upland Spruce	1942	60	Stam/Padus	1999	113	100
3146026	4.1	6.0	Thin		White Spruce	Upland Spruce	1950	52	Stam/Padus	1995	109	100
3147002	2.1	7.0	Thin		White Spruce	Upland Spruce	1940	62	Stam/Padus	1999	159	100
3147010	2.1	70.4	Thin		White Spruce	Upland Spruce	1939	63	Stam/Padus	1999	138	110
3147015	2.1	6.4	Thin		White Spruce	Upland Spruce	1939	63	Stam/Padus	1999	129	100
3148002	2.1	17.3	Thin		White Spruce	Upland Spruce	1950	52	Stam/Padus	1999	108	100
3148016	2.1	15.3	Thin		Red Pine	Red Pine	1935	67	Stam/Padus	1999	144	100
3148028	2.1	1.8	Thin		Red Pine	Red Pine	1935	67	Stam/Padus	1999	146	100
3149007	4.1	15.4	Thin		Red Pine	Red Pine	1945	57	Stam/Padus	1995	107	100
3149017	4.1	9.1	Thin		Balsam Fir	Balsam Fir	1946	56	Stam/Padus	1999	93	80
3152001	2.1	45.3	Thin		White Spruce	Upland Spruce	1940	62	Stam/Padus	1999	120	100
3152013	2.1	4.7	Thin		White Spruce	Upland Spruce	1939	63	Stam/Padus	1999	149	100
3154018	4.1	5.6	Thin		Balsam Fir	Balsam Fir	1930	72	Stam/Padus	1999	143	80
3156008	1.1	5.4	Thin		Red Pine	Red Pine	1963	39	Stam/Padus	1992	123	100
3156011	1.1	21.8	Thin		White Spruce	Upland Spruce	1962	40	Stam/Padus	1996	100	100
3156012	1.1	18.1	Thin		White Spruce	Upland Spruce	1961	41	Stam/Padus	1996	135	100
3156014	1.1	30.1	Thin		White Spruce	Upland Spruce	1961	41	Stam/Padus	1996	120	100
3157014	1.1	4.2	Thin		White Spruce	Upland Spruce	1962	40	Stam/Padus	2001	175	100
3157015	1.1	1.5	Thin		White Spruce	Upland Spruce	1962	40	Stam/Padus	2001	123	100
2038024	9.2	12.4		Underplant	Aspen	White Pine	1940	62	Iron River	1993	83	83
3111006	2.1	16.6		Underplant	Aspen	Upland Spruce	1955	47	Stam/Padus	1992	98	98
3111010	2.1	22.6		Underplant	Aspen	WP/SP/BF	1964	38	Iron River	1996	105	105
3146021	4.1	6.4		Underplant	Aspen	Asp/Oak	1992	10	Stam/Padus	1995	77	77

#### Additional Alternative 4 only stands

2081023	1.1	6.7	Clearcut	SP-Natural	Aspen	Aspen	1965	37	Stam/Padus	1998	147	0
2085014	1.1	13.6	Clearcut	SP-Natural	Balsam Fir	Balsam Fir	1935	67	Stam/Padus	1996	137	0
3013018	4.1	16.7	Clearcut	SP-Natural	Hardwood	Aspen	1939	63	Iron River	1994	107	0
3110005	4.1	6.6	Clearcut	SP-Natural	Balsam Fir	Aspen	1939	63	Stam/Padus	1999	87	0
3137036	1.1	14.2	Clearcut	SP-Natural	Aspen	Aspen	1960	42		1992	121	0
3137037	1.1	11.7	Clearcut	SP-Natural	Aspen	Aspen	1937	65		2001	107	0
3138008	2.1	17.6	Clearcut	SP-Natural	Hardwood	Aspen	1938	64	Stam/Padus	1997	108	0
3138009	2.1	16.1	Clearcut	SP-Natural	Hardwood	Aspen	1934	68	Stam/Padus	1997	98	0
3143011	1.1	40.0	Clearcut	SP-Natural	Hardwood	Aspen	1939	63	Stam/Padus	1999	88	0
3143024	1.1	40.0	Clearcut	SP-Natural	Hardwood	Aspen	1939	63	Stam/Padus	1999	94	0
3145031	1.1	14.0	Clearcut	SP-Natural	Hardwood	Aspen	1935	66	Pence	1999	89	0
3151025	4.1	37.6	Clearcut	SP-Natural	Hardwood	Aspen	1933	68	Stam/Padus	1999	104	0
3156016	1.1	19.3	Clearcut	SP-Natural	Aspen	Aspen	1936	66	Stam/Padus	1995	98	0
3156019	1.1	3.8	Clearcut	SP-Natural	Aspen	Aspen	1938	64	Stam/Padus	1992	97	0
3163003	2.1	10.4	Clearcut	SP-Natural	Hardwood	Aspen	1933	69	Stam/Padus	1999	96	0

Note: 2002 basal area projected by using 2 sqft./ac./yr. from the survey year. Some treatments would not occur until 2006 so more growth would occur after 2002.

Hardwood stands are considered operable for harvest at 110 sqft. and higher. Aspen stands were considered mature at 45 years of age and higher. Pine and spruce stands are considered operable for thinning when 20 sqft. of basal area or more can be removed. Pole-sized red pine stands should be thinned before it reaches 140 sqft. of basal area (for optimal growth) to a stocking level of 90 sqft. (Benzie, 1977). Stands with larger average diameters, can have sustain higher stocking up to 150 sqft. for 16 inch trees without substantial growth loss. The 84 sqft. BA residual stocking level for uneven-aged management of northern hardwood is listed in the Nicolet Forest Plan (page 47) and Tubbs, 1977. The exact stocking levels may vary somewhat when detailed prescriptions are written upon closer inspection of stands.