

# **APPENDIX 12-VI**

## **Overall Local Study Area and Regional Study Area Land Cover Areas**

**APPENDIX 12-VI  
OVERALL VEGETATION AND WETLANDS LOCAL STUDY AREA AND  
REGIONAL STUDY AREA LAND COVER AREAS**

**Table 12-VI-1: Vegetation and Wetlands Local Study Area and Regional Study Area Land Cover Areas**

Ecosite/ Polytype Code	Title	Local Study Area					Regional Study Area				
		Base Case (ha)	Project Case (ha)	Change in Area from Base Case to Project Case (ha)	Cumulative Effects Case (ha)	Change in Area from Base Case to Cumulative Effects Case (ha)	Base Case (ha)	Project Case (ha)	Change in Area from Base Case to Project Case (ha)	Cumulative Effects Case (ha)	Change in Area from Base Case to Cumulative Effects Case (ha)
BFL	Buffered Line	0	0	0	0	0	0	0	0	0	0
BFW	Buffered Watercourse	26	25	<-1	24	-1	60	60	<-1	56	-4
BSH	Brush and Alder	1,131	1,109	-23	1,093	-38	4,904	4,881	-23	4,800	-104
C11	White Pine-Red Pine	0	0	0	0	0	18	18	0	18	0
C12	Red Pine	0	0	0	0	0	3	3	0	3	0
C13	Jack Pine-White Pine-Red Pine	0	0	0	0	0	54	54	0	54	0
C15	Jack Pine	2,099	2,067	-32	2,055	-44	5,521	5,489	-32	5,474	-47
C16	Black Spruce-Pine	8,852	8,714	-138	8,636	-216	22,806	22,668	-138	22,310	-496
C17	Poplar-White Birch	396	387	-9	381	-15	4,343	4,334	-9	4,325	-18
C18	Poplar-White Birch-White Spruce-Balsam Fir	2,841	2,783	-57	2,730	-111	8,806	8,749	-57	8,568	-238
C19	Poplar-Jack Pine-White Spruce-Black Spruce	495	485	-10	479	-16	2,723	2,713	-10	2,692	-31
C20	White Pine-Red Pine-White Spruce-White Birch-Trembling Aspen	12	12	0	12	0	69	69	0	69	0
C21	White Cedar-White Pine-White Birch-White Spruce	12,530	12,199	-331	11,915	-615	47,380	47,049	-331	43,848	-3,532
C22	White Cedar-Other Conifer	6,080	5,992	-88	5,946	-134	17,248	17,160	-88	16,514	-735
C27	Sugar Maple-White Birch-Poplar-White Pine	159	159	<-1	159	<-1	1,011	1,011	<-1	976	-35
C29	Sugar Maple-Yellow Birch	324	317	-8	317	-8	3,656	3,649	-8	3,623	-34
C31	Black Spruce-Tamarack: very moist mineral and wet organic soils	1,087	1,076	-12	1,023	-65	2,192	2,180	-12	2,002	-190
C32	White Cedar-Black Spruce-Tamarack: very moist mineral and wet organic soils	272	261	-11	229	-43	785	775	-11	738	-47
C33	White Cedar-Other Conifer: very moist to wet soils	363	360	-2	360	-2	1,534	1,532	-2	1,531	-3
C35	Lowland Hardwoods: fresh to very moist soils	0	0	0	0	0	32	32	0	32	0
GRS	Grass and Meadow	103	103	0	103	0	152	152	0	152	0
ISL	Small Island	52	51	-1	51	-1	2,081	2,080	-1	2,078	-3
N/A <sup>(e)</sup>	Not Applicable	15	15	<-1	15	<-1	920	920	<-1	920	<-1

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NE01	Black Spruce - Jack Pine/White Spruce – White Birch	2,837	2,783	-54	2,738	-100	11,881	11,827	-54	11,716	-165
NE02	Jack Pine - Coarse Soil	2,231	2,166	-65	2,164	-67	7,213	7,148	-65	7,146	-67
NE03	White Birch - Trembling Aspen - Black Spruce - Coarse Soil	2,258	2,151	-107	2,151	-107	11,413	11,306	-107	11,305	-108
NE04	Black Spruce - Jack Pine - Coarse Soil	1,620	1,579	-41	1,579	-41	7,469	7,428	-41	7,427	-42
NE05	Black Spruce - Fine/Medium Soil	1,311	1,266	-45	1,266	-45	5,615	5,570	-45	5,570	-45
NE06	Black Spruce-Trembling Aspen/Trembling Aspen - Black Spruce - Jack Pine/Trembling Aspen - Black Spruce - Balsam Fir	20,820	20,276	-544	19,916	-904	85,822	85,278	-544	82,729	-3,094
NE07	Trembling Aspen - White Birch/Trembling Aspen - White Spruce - White Birch	100	96	-3	96	-3	297	294	-3	294	-3
NE08	Black Spruce - Feathermoss - Sphagnum - Moist Soil	1,666	1,632	-34	1,632	-35	6,510	6,476	-34	6,474	-37
NE09	Black Spruce - Larch/White Spruce – Balsam Fir - White Cedar	4,847	4,695	-152	4,672	-175	18,511	18,359	-152	18,308	-203
NE10	Trembling Aspen - Black Spruce – Balsam Poplar - Moist Soil	6,515	6,301	-214	6,238	-277	30,361	30,147	-214	28,970	-1,391
NE11	Black Spruce - Labrador Tea - Organic Soil	3,302	3,192	-110	3,076	-226	10,884	10,774	-110	10,613	-271
NE12	Black Spruce - Larch - Labrador Tea – Organic Soil	583	567	-16	567	-16	2,075	2,059	-16	2,057	-17
NE13	Black Spruce - Larch - Speckled Alder/White Cedar - Black Spruce	618	601	-17	601	-17	2,945	2,928	-17	2,928	-17
NE14	Black Spruce - Leatherleaf - Organic Soil	48	46	-1	46	-1	266	265	-1	263	-3
NE15	Red Maple	550	550	0	550	0	1,059	1,059	0	1,058	-1
NW04	Cliff	121	121	<-1	121	<-1	355	355	<-1	355	<-1
NW05	Talus or Steep Slope	0	0	0	0	0	3	3	0	3	0
NW07	Rock Barren	492	492	<-1	492	<-1	696	696	<-1	696	<-1
NW10	Prairie / Savannah	4	4	0	4	0	4	4	0	4	0

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NW11	Red Pine - White Pine - Jack Pine: Very Shallow Soil	43	43	0	43	0	43	43	0	43	0
NW12	Black Spruce - Jack Pine: Very Shallow Soil	4,566	4,526	-40	4,525	-41	10,384	10,344	-40	10,343	-41
NW13	Jack Pine - Conifer: Dry - Moderately Fresh Sandy Soil	922	846	-76	846	-76	1,184	1,107	-76	1,107	-76
NW14	Pine - Spruce Mixedwood: Sandy Soil	2,872	2,821	-51	2,821	-51	4,758	4,706	-51	4,706	-51
NW15	Red Pine - White Pine: Sandy Soil	30	30	<-1	30	<-1	57	57	<-1	57	<-1
NW16	Hardwood - Fir - Spruce Mixedwood: Sandy Soil	8,355	8,239	-116	8,239	-116	12,505	12,389	-116	12,389	-116
NW17	White Cedar: Fresh - Moist, Coarse – Fine Loamy Soil	304	301	-3	301	-3	1,310	1,307	-3	1,307	-3
NW18	Red Pine - White Pine: Fresh, Coarse Loamy Soil	29	29	0	29	0	230	230	0	230	0
NW19	Hardwood - Fir - Spruce Mixedwood: Fresh, Sandy - Coarse Loamy Soil	34,754	34,127	-627	34,107	-647	84,507	83,880	-627	83,838	-669
NW20	Spruce - Pine / Feathermoss: Fresh, Sandy - Coarse Loamy Soil	3,591	3,486	-104	3,486	-104	11,540	11,436	-104	11,435	-105
NW21	Fir - Spruce Mixedwood: Fresh, Coarse Loamy Soil	8,506	8,354	-152	8,354	-152	23,381	23,229	-152	23,221	-160
NW22	Spruce - Pine / Ledum / Feathermoss: Moist, Sandy - Coarse Loamy Soil	3,345	3,273	-71	3,270	-75	6,967	6,896	-71	6,891	-76
NW23	Hardwood - Fir - Spruce - Mixedwood: Moist, Sandy - Coarse Loamy Soil	4,378	4,308	-70	4,305	-73	9,355	9,285	-70	9,280	-75
NW24	Red Pine - White Pine: Fresh, Fine Loamy Soil	4	4	0	4	0	27	27	0	27	0
NW25	Pine - Spruce / Feathermoss: Fresh, Silty Soil	45	45	0	45	0	350	350	0	350	0
NW26	Spruce - Pine / Feathermoss: Fresh, Fine Loamy - Clayey Soil	655	648	-7	648	-7	2,252	2,245	-7	2,245	-7
NW27	Fir - Spruce Mixedwood: Fresh, Silty – Fine Loamy Soil	103	103	0	103	0	396	396	0	396	0

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NW28	Hardwood - Fir - Spruce Mixedwood: Fresh, Silty Soil	521	516	-5	515	-6	865	860	-5	859	-6
NW29	Hardwood - Fir - Spruce Mixedwood: Fresh, Fine Loamy - Clayey Soil	1,926	1,891	-35	1,891	-35	4,229	4,194	-35	4,194	-35
NW30	Black Ash Hardwood: Fresh, Silty - Clayey Soil	9	9	0	9	0	88	88	0	88	0
NW31	Spruce - Pine / Feathermoss: Moist, Silty - Clayey Soil	680	650	-31	650	-31	1,660	1,630	-31	1,629	-31
NW32	Fir - Spruce Mixedwood: Moist, Silty - Clayey Soil	686	673	-14	673	-14	1,948	1,935	-14	1,934	-15
NW33	Hardwood - Fir - Spruce Mixedwood: Moist, Silty - Clayey Soil	1,612	1,581	-31	1,581	-31	4,187	4,156	-31	4,156	-31
NW34	Treed Bog: Black Spruce / Sphagnum: Organic Soil	163	161	-2	161	-2	437	435	-2	435	-2
NW35	Poor Swamp: Black Spruce: Organic Soil	1,091	1,055	-36	1,055	-36	4,191	4,156	-36	4,155	-36
NW36	Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	1,743	1,712	-31	1,711	-32	8,060	8,029	-31	8,027	-33
NW37	Rich Swamp: Cedar (Other Conifer): Organic Soil	1,164	1,148	-15	1,148	-15	3,595	3,580	-15	3,579	-16
NW38	Rich Swamp: Black Ash (Other Hardwood): Organic - Mineral Soil	70	70	0	70	0	121	121	0	121	0
NW39	Open Bog: Ericaceous Shrub / Sedge / Sphagnum: Organic Soil	351	347	-4	347	-4	938	934	-4	933	-5
NW40	Treed Fen: Tamarack - Black Spruce / Sphagnum: Organic Soil	362	357	-5	357	-5	1,285	1,280	-5	1,279	-5
NW41	Open Poor Fen: Ericaceous Shrub - Sedge / Sphagnum: Organic Soil	40	39	-2	39	-2	121	120	-2	120	-2
NW42	Open Moderately Rich Fen: Ericaceous Shrub / Sedge: Organic Soil	36	36	<-1	36	<-1	129	129	<-1	129	<-1
NW43	Open Extremely Rich Fen: Ericaceous Shrub / Sedge / Brown Moss: Organic Soil	0	0	0	0	0	2	2	0	2	<-1

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NW44	Thicket Swamp: Organic - Mineral Soil	1,209	1,188	-21	1,188	-21	2,857	2,836	-21	2,836	-21
NW45	Shore Fen: Organic Soil	184	176	-9	176	-9	452	443	-9	443	-9
NW46	Meadow Marsh: Organic - Mineral Soil	832	824	-7	824	-7	1,873	1,866	-7	1,866	-7
NW47	Sheltered Marsh: Emergent: Sedimentary Peat Substrate	24	24	<-1	24	<-1	90	90	<-1	90	<-1
NW48	Exposed Marsh: Emergent: Mineral Substrate	37	37	<-1	37	<-1	43	43	<-1	43	<-1
NW50	Open Water Marsh: Submergent: Mineral Substrate	0	0	0	0	0	5	5	0	5	0
OMS	Open Wetland	3,288	3,242	-46	3,225	-63	11,500	11,453	-46	11,230	-270
OTH	Other	2	2	0	2	0	8	8	0	8	0
RCK	Rock Barren	930	901	-29	898	-32	4,751	4,723	-29	4,667	-84
TMS	Treed Wetland	379	372	-7	350	-29	2,159	2,152	-7	2,119	-41
UCL	Unclassified	<1	<1	<-1	<1	<-1	<1	<1	<-1	<1	<-1
WAT	Water	12,018	11,926	-93	11,882	-136	118,925	118,833	-93	118,260	-665
DIS	Anthropogenic Disturbance	23,599	22,460	-1,139	22,346	-1,253	45,437	44,298	-1,139	43,817	-1,620
PROJECT	Project Footprint	0	5,005	5,005	4,969	4,969	0	5,005	5,005	4,969	4,969
RFD	Reasonably Foreseeable Developments	0	0	0	1,462	1,462	0	0	0	10,323	10,323
<b>Total</b>		<b>212,220<sup>(b)</sup></b>	<b>212,220<sup>(b)</sup></b>	<b>-</b>	<b>212,220<sup>(b)</sup></b>	<b>-</b>	<b>718,878<sup>(b)</sup></b>	<b>718,878<sup>(b)</sup></b>	<b>-</b>	<b>718,878<sup>(b)</sup></b>	<b>-</b>

Note: Some numbers are rounded for presentation purposes. Therefore, it may appear that the totals do not equal the sum of the individual values. Burned areas and cutblocks are included as part of ecosite area totals.

a) Unclassified polygons due to the result of Forest Resource Inventory (FRI) data gaps between overlap areas of Forest Management Plans.

b) Total area of ecosites and study areas do not match (difference of 9 ha in the Local Study Area and 11 ha in the Regional Study Area) due to overlap in some ecosite polygons between FRI data sets.

% <-1 = value approaches zero; <= less than.