

SUMMARY OF FOREST AND LAND COVER TYPES  
FOR THE DICKEY-LINCOLN SCHOOL LAKES PROJECT  
WILDLIFE MITIGATION STUDY AREA BY TOWNSHIP

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Vegetation and land cover types have been mapped for the following townships: T15 R13, T15 R12, T15 R11, T14 R13, T14 R12, T14 R11, T13 R13, T13 R12, T12 R13, T12 R12, T12 R11, T11 R14, and T11 R13. Delineation of the cover types is based upon stereoscopic interpretation of color-infrared aerial photography (scale 1:20,000) taken in August and September 1979. The mapping is presented on two map sheets at an approximate scale of 1:36,530.

Total land acreages for the study area townships is presented in Table 1. The total land area includes acreage assessed by the State of Maine and any portions of the Allagash Wilderness Waterway. Acreages of forest and land cover types are summarized for each township in Table 2. The forest and land cover code in Table 4 describes the detailed classification of cover types within the general land categories. General land cover percentages within each township are presented in Table 3.

Softwood or coniferous forest, principally spruce-fir (Picea rubens and Abies balsamea), is the dominant forest type in the townships. In several townships (T12 R11, T12 R12, T15 R11, T15 R12) mixed forest is the major type; however, spruce-fir is generally a major component. Northern hardwood forest (Acer saccharum, Fagus grandifolia, and Betula lutea) represents approximately one-fourth of the land cover in T12 R11, T14 R12, T14 R13, and T15 R13. Aspen-birch (Populus tremuloides, Betula papyrifera) is a small component of the forest cover.

Several forest structure characteristics are evident in the townships. Dense mature spruce-fir (SW3A) generally represents 50-60% of the coniferous forest. In addition, 10-30% of the spruce-fir forest occurs as less dense mature trees (SW3B) greater than 50 feet in height. The structure of the spruce-fir forest reflects the common practice of selection harvesting. Northern hardwood forest is generally 50-90+% dense mature forest. The remaining northern hardwood forest primarily consists of mature trees but as a less dense forest created by selective cutting of a mixed forest type. In general, the mixed forest not only represents a mixture of tree species but a diverse mixture of tree heights and densities.

The 1979 vegetation mapping includes areas that were previously mapped using 1975 aerial photography during the Dickey-Lincoln terrestrial ecosystem analysis. Overall, the percentages of general land classifications such as softwood and hardwoods show only slight variation over four years. This supports the statement that spruce-fir areas remain as

spruce-fir sites even though harvesting is concentrated in these stands. The practice of selection cutting in pure spruce-fir stands tends to maintain the percentage of spruce-fir forest. For example, there was harvesting in T13 R13 during 1975-1979 which resulted in a net change of approximately 1300 acres from dense mature spruce-fir forest (SW3A, SW2A) to spruce-fir forests with 30 to 70% crown closure (SW3B, SW2B). The lack of change in open forest (SW3C or SW2C) or regeneration (SW1C, SH1C or HS1C) indicates that clear cutting was not practiced. The selection cutting in T13 R13 did maintain the same acreage of softwood lands. Similarly, there was a significant decrease in dense mature softwoods (1850 acres) in T14 R12 which coincided with an increase in open mature softwoods (1240 acres). Acreages of dense mature northern hardwoods tend to remain constant due to a lack of harvesting. The acreage of open hardwood types (HW3B or HW3C) is increased by harvesting of spruce-fir from dense mixed forests.

The mixed forest category shows changes in dense mature types to open mature types. A typical example in T13 R13 is the decrease in mature spruce-fir - northern hardwoods (SH3A) and an increase in open northern hardwood - spruce-fir (HS3B) or spruce-fir - northern hardwoods (SH3B). Heavy harvesting appears to increase the mixed forest category due to an increase in mixed regeneration. In heavily cut-over areas there is early competition between hardwoods and conifers. On spruce-fir lands the hardwood competition is usually pin cherry (Prunus pennsylvanicum) and aspen-birch. Raspberry is a major competing shrub during regeneration. The mixed regeneration type usually showed change in density classification during four years. An open regeneration type (HS1C) often changed to dense hardwoods, shrubs and spruce fir (HS1A or SH1A). In many spruce-fir stands harvested before 1975 there were still dense pioneer hardwoods and shrubs competing with spruce-fir regeneration.

TABLE 1  
 TOWNSHIP ACREAGE SUMMARY  
 FOR THE WILDLIFE MITIGATION STUDY AREA,  
 DICKEY-LINCOLN SCHOOL LAKES PROJECT

<u>Township</u>	<u>Total Mapped Acreage</u>
T11 R13	21,546
T11 R14	23,590
T12 R11	23,268
T12 R12	23,298
T12 R13	22,022
T13 R12	22,076
T13 R13	23,263
T14 R11	23,443
T14 R12	23,806
T14 R13	23,096
T15 R11	22,829
T15 R12	22,484
T15 R13 <sup>1</sup>	20,379 <sup>1</sup>

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<sup>1</sup>Partially mapped. The total acreage for T15 R13 is 23,652 acres.

TABLE 2  
 DETAILED FOREST AND LAND COVER TYPES FOR  
 THE DICKEY-LINCOLN SCHOOL LAKES PROJECT AREA,  
 WILDLIFE MITIGATION STUDY AREA BY TOWNSHIP

T11 R13

<u>Type</u>	<u>Acres</u>	
Softwoods:		
SW2A	1,339	
SW3A	7,666	
SW3B	2,870	
SW3C	130	
SW1BS	12	
SW3AS	12	
CS2A	<u>130</u>	
Total Softwoods		12,159
Mixed Forest:		
SH1A	241	
SH1B	107	
SH3A	1,308	
SH3B	2,679	
SH3C	71	
HS1A	20	
HS1C	32	
HS3A	265	
HS3B	983	
HS3C	43	
SH3AP	<u>288</u>	
Total Mixed Forest		6,037
Northern Hardwoods:		
HW2A	32	
HW3A	556	
HW3B	507	
HW3C	<u>51</u>	
Total Northern Hardwoods		1,146
Aspen-Birch:		
PB3A	<u>55</u>	
Total Aspen-Birch		55
Wetlands:		
4110	20	
4220	1,714	
8	<u>32</u>	
Total Wetlands		1,766

## T11 R13 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Shrubs:		
1310	<u>383</u>	
Total Shrubs		<u>383</u>
TOTAL ACRES		21,546

## T11 R14

Softwoods:		
SW1A	43	
SW1C	13	
SW2A	634	
SW2B	246	
SW2C	30	
SW3A	7,804	
SW3B	4,138	
SW3C	363	
SW2BS	52	
SW2CS	<u>95</u>	
Total Softwoods		13,418

## Mixed Forest:

SH1A	310	
SH1B	346	
SH1C	35	
SH2B	415	
SH3A	207	
SH3B	1,563	
SH3C	415	
SH3AP	112	
HS1A	194	
HS1B	138	
HS1C	337	
HS2B	56	
HS3A	695	
HS3B	1,373	
HS3C	91	
HS3AP	30	
HS3BP	<u>48</u>	
Total Mixed Forest		6,365

## Northern Hardwoods:

HW1A	48	
HW1B	17	
HW3A	1,240	
HW3B	747	
HW3C	<u>164</u>	
Total Northern Hardwoods		2,216

## T11 R14 (Cont'd)

<u>Type</u>	<u>Acres</u>		
Aspen-Birch:			
PO3A	285		
PB3A	<u>160</u>		
Total Aspen-Birch			445
Wetlands:			
4110	52		
4220	155		
8	<u>13</u>		
Total Wetlands			220
Shrubs:			
1310	<u>441</u>		
Total Shrubs			441
Barren Land:			
5230	<u>9</u>		
Total Barren Land			9
Urban:			
6110	<u>17</u>		
Total Urban			<u>17</u>
TOTAL ACRES			23,590

## T12 R11

Softwoods:			
SW1B	28		
SW2A	1,050		
SW2B	379		
SW3A	3,376		
SW3B	1,738		
SW3C	98		
SW2BS	20		
CS2A	297		
CS3A	<u>269</u>		
Total Softwoods			7,255
Mixed Forest:			
SH1A	41		
SH1B	28		
SH2A	28		
SH2B	790		
SH2C	69		

## T12 R11 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Mixed Forest: (Cont'd)		
SH3A	2,877	
SH3B	1,567	
SH3C	69	
SH3AP	427	
SH3BP	155	
HS1A	647	
HS1B	1,095	
HS1C	81	
HS3A	273	
HS3B	1,355	
HS3C	199	
HS3AP	69	
HS3BP	33	
Total Mixed Forest		9,804
Northern Hardwood:		
HW3A	4,011	
HW3B	1,400	
HW3C	106	
Total Northern Hardwood		5,517
Aspen-Birch:		
PO3A	98	
PB1A	12	
Total Aspen-Birch		110
Wetlands:		
4220	480	
8	24	
3	4	
1	8	
Total Wetlands		517
Shrubs:		
1310	65	
Total Shrubs		65
TOTAL ACRES		23,268

## T12 R12

## Softwoods:

SW2A	2,294
SW2B	300
SW2C	83
SW3A	4,332

## T12 R12 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Softwoods: (Cont'd)		
SW3B	661	
SW3C	112	
CS2A	129	
CS3B	33	
SW2AS	67	
SW3AN	<u>4</u>	
Total Softwoods		8,015
Mixed Forest:		
SH1A	50	
SH1B	112	
SH2B	92	
SH2C	50	
SH3A	2,980	
SH3B	1,140	
SH3C	266	
SH3AP	566	
SH3BP	25	
HS1A	1,776	
HS1B	1,597	
HS1C	453	
HS2B	408	
HS2C	58	
HS3A	121	
HS3C	478	
HS3AP	58	
HS3BP	<u>37</u>	
Total Mixed Forest		10,571
Northern Hardwood:		
HW1A	283	
HW1B	58	
HW1C	129	
HW2B	96	
HW3A	2,671	
HW3B	695	
HW3C	<u>545</u>	
Northern Hardwood		4,477
Aspen-Birch:		
PB3A	87	
PB3B	<u>4</u>	
Total Aspen-Birch		91
Wetlands:		
4220	12	
1	12	

T12 R12 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Wetlands: (Cont'd)		
3	37	
4	37	
8	<u>29</u>	
Total Wetlands		127
Shrubs:		
1310	<u>17</u>	
Total Shrubs		<u>17</u>
TOTAL ACRES		23,298

T12 R13

Softwoods:		
SW2A	722	
SW2B	502	
SW2C	251	
SW3A	6,899	
SW3B	2,549	
SW3C	533	
SW3AN	42	
SW3AS	23	
SW3BS	35	
CS3A	54	
CS3B	<u>46</u>	
Total Softwoods		11,656
Mixed Forest:		
SH2A	31	
SH2B	181	
SH3A	1,255	
SH3B	1,999	
SH3C	232	
SH3AB	19	
SH3AP	193	
SH3BP	54	
HS1A	8	
HS1B	46	
HS1C	50	
HS2A	19	
HS2B	54	
HS3A	131	

## T12 R13 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Mixed Forest: (Cont'd)		
HS3B	498	
HS3C	483	
HS3AP	328	
HS3BP	201	
HS3P	<u>15</u>	
Total Mixed Forest		5,797.
Northern Hardwoods:		
HW2A	205	
HW3A	1,471	
HW3B	320	
HW3C	<u>687</u>	
Northern Hardwoods		2,683
Aspen-Birch:		
BP2A	31	
PB3A	127	
PB3B	<u>266</u>	
Aspen-Birch		424
Wetlands:		
4110	239	
4220	610	
1	<u>15</u>	
Total Wetlands		864
Shrubs:		
1310	<u>598</u>	
		<u>598</u>
TOTAL ACRES		22,022

## T13 R12

Softwoods:		
SW1A	15	
SW1B	46	
SW1C	15	
SW2A	1,440	
SW2B	370	
SW2C	158	
SW3A	5,007	
SW3B	2,162	
SW3C	239	
SW3AN	<u>23</u>	
Total Softwoods		9,475

## T13 R12 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Mixed Forest:		
SH1A	239	
SH1B	100	
SH2A	81	
SH2B	416	
SH2C	604	
SH3A	466	
SH3B	1,644	
SH3C	450	
SH2AB	27	
SH3AB	35	
SH3AP	208	
HS3BP	62	
HS1A	612	
HS1B	81	
HS1C	755	
HS2A	54	
HS2B	58	
HS2C	27	
HS3A	797	
HS3B	805	
HS3C	112	
HS3AP	<u>1,220</u>	
Total Mixed Forest		8,853
Northern Hardwoods:		
HW3A	1,912	
HW3B	289	
HW3C	<u>223</u>	
Total Northern Hardwoods		2,424
Aspen-Birch:		
PB3B	<u>42</u>	
Total Aspen-Birch		42
Wetlands:		
4	19	
8	8	
4110	377	
4220	<u>574</u>	
Wetlands		978
Shrubs:		
1310	<u>304</u>	
Total Shrubs		<u>304</u>
TOTAL ACRES		22,076

<u>Type</u>	<u>Acres</u>	
Softwoods:		
SW3A	5,690	
SW2A	875	
SW3B	3,242	
SW2B	1,035	
SW2C	132	
SW3C	342	
SW1A	29	
SW1B	70	
SW3BS	<u>33</u>	
Total Softwoods		11,448
Mixed Forest:		
SH3A	2,492	
SH3B	1,283	
SH2B	350	
SH3C	602	
SH1A	330	
SH2C	157	
SH1B	111	
SH1C	50	
SH2A	17	
HS3B	755	
HS3A	817	
HS2A	144	
HS1B	206	
HS1C	371	
HS3C	297	
HS2B	91	
HS1A	<u>227</u>	
Total Mixed Forest		8,300
Northern Hardwoods:		
HW3A	3,135	
HW3B	<u>227</u>	
Total Northern Hardwoods		3,362
Wetlands:		
2	4	
4110	83	
4220	<u>12</u>	
Total Wetlands		99
Shrubs:		
1310	<u>54</u>	
Total Shrubs		<u>54</u>

TOTAL ACRES

23,263

<u>Type</u>	<u>Acres</u>	
Softwoods:		
	62	
SW1C	945	
SW2A	300	
SW2B	246	
SW2C	4,274	
SW3A	2,164	
SW3B	938	
SW3C	243	
CS2A	156	
CS3A	36	
SC3B		
Total Softwoods		9,364
Mixed Forest:		
	33	
SH1A	235	
SH1B	181	
SH2C	684	
SH3A	152	
SH3B	369	
SH3C	652	
SH3AP	217	
SH3BP	72	
SH3BS	25	
SH3CP	224	
HS1A	854	
HS1B	1,383	
HS1C	47	
HS2A	177	
HS2B	724	
HS3A	1,187	
HS3B	1,517	
HS3C	14	
HS1BS	109	
HS3AN	101	
HS3AP		
Total Mixed Forest		8,957
Northern Hardwoods:		
	250	
HW2A	29	
HW2B	2,320	
HW3A	2,034	
HW3B	192	
HW3C		
Total Northern Hardwoods		4,825
Aspen-Birch:		
	<u>116</u>	
PB3A		116
Total Aspen-Birch		

## T14 R11 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Wetlands:		
3	25	
4	7	
8	11	
4110	<u>76</u>	
Total Wetlands		119
Shrubs:		
1310	<u>62</u>	
Total Shrubs		<u>62</u>
TOTAL ACRES		23,443

## T14 R12

Softwoods:		
SW3A	2,512	
SW3B	4,343	
SW3C	718	
SW2A	340	
SW2B	1,377	
SW2C	667	
SW1A	30	
SW1B	123	
SW1C	<u>81</u>	
Total Softwoods		10,191
Mixed Forest:		
SH3A	370	
SH3B	672	
SH3C	230	
SH2A	123	
SH2B	633	
SH2C	128	
SH1A	226	
SH1B	43	
SH1C	132	
HS3A	468	
HS3B	1,449	
HS3C	659	
HS2A	191	
HS2B	460	
HS2C	94	
HS1A	38	
HS1B	51	
HS1C	697	
SH3BP	273	
SH3AP	183	

## T14 R12 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Mixed Forest: (Cont'd)		
SH3BN	38	
HS3CP	38	
HS3AP	30	
SH3CP	<u>119</u>	
Total Mixed Forest		7,345
Northern Hardwoods:		
HW3A	5,169	
HW3B	387	
HW3C	166	
HW2A	68	
HW1A	<u>64</u>	
Total Northern Hardwoods		5,854
Aspen-Birch:		
PB3A	<u>140</u>	
Total Aspen-Birch		140
Wetlands:		
4110	242	
3	<u>17</u>	
Total Wetlands		259
Shrubs:		
1310	<u>17</u>	
Total Shrubs		<u>17</u>
TOTAL ACRES		23,806

## T14 R13

Softwoods:		
SW3AS	30	
SW3A	4,453	
SW3B	2,888	
SW3C	442	
SW2A	438	
SW2B	1,300	
SW2C	150	
SW1A	129	
SW1B	167	
SW1C	103	
PN3A	39	
SW2BS	<u>39</u>	
Total Softwoods		10,178

T14 R13 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Mixed Forest:		
SH3B	652	
SH3C	326	
SH2A	142	
SH2B	197	
SH2C	34	
SH1A	133	
SH1B	137	
SH3A	943	
HS3A	2,227	
HS3B	961	
HS3C	107	
HS2A	86	
HS2B	26	
HS1A	64	
HS1B	34	
HS1C	116	
HS3AP	22	
HS3AN	472	
SH3AN	240	
Total Mixed Forest		6,919
Northern Hardwoods:		
HW3A	5,111	
HW3B	549	
HW3C	21	
HW2A	13	
HW2B	47	
Total Northern Hardwoods		5,741
Aspen-Birch:		
PO3A	17	
Total Aspen-Birch		17
Wetlands:		
4110	219	
9	9	
8	13	
Total Wetlands		241
TOTAL ACRES		23,096

T15 R11

Softwoods:	
SW3A	2,665
SW2A	2,761

## T15 R11 (Cont'd)

<u>Type</u>	<u>Acres</u>	
Softwoods: (Cont'd)		
SW3B	399	
SW2B	407	
SW3C	245	
SW1C	37	
SW1B	21	
SW1A	12	
SW2AS	104	
CS2A	<u>116</u>	
Total Softwoods		6,767
Mixed Forest:		
SH3AP	4,381	
SH3BP	300	
SH3A	1,351	
SH2A	1,455	
SH3B	279	
SH3C	154	
SH2AP	129	
SH3CP	112	
SH2AB	54	
HS3A	1,489	
HS3B	911	
HS2A	387	
HS1B	158	
HS1C	50	
HS3AP	150	
HS3BP	67	
HS3C	<u>37</u>	
Total Mixed Forest:		11,464
Northern Hardwoods:		
HW3A	3,260	
HW3B	229	
HW3C	<u>8</u>	
Total Northern Hardwoods		3,397
Aspen-Birch:		
PB3A	158	
PB3B	<u>150</u>	
Total Aspen-Birch		308
Wetlands:		
1310	266	
4110	511	
1	4	
3	<u>12</u>	
Total Wetlands		<u>793</u>

Type	Acres	
<b>Softwoods:</b>		
SW2A	815	
SW3A	2,249	
SW3B	2,785	
SW2B	1,895	
SW1B	164	
SW1A	585	
SW2BS	439	
SW1C	52	
SW2C	186	
SW3C	93	
<b>Total Softwoods</b>		<b>9,263</b>
<b>Mixed Forest:</b>		
SH2A	1,508	
SH3A	711	
SH2B	335	
SH3B	737	
SH1A	1,028	
SH1B	60	
HS3A	1,623	
HS2B	2,264	
HS3B	733	
HS2A	317	
HS1A	115	
HS1C	56	
HS3C	19	
HS1B	37	
<b>Total Mixed Forest</b>		<b>9,543</b>
<b>Northern Hardwoods:</b>		
HW3A	3,554	
HW3B	86	
<b>Total Northern Hardwoods</b>		<b>3,640</b>
<b>Wetlands:</b>		
1	4	
3	15	
4	19	
<b>Total Wetlands</b>		<b>38</b>
<b>TOTAL ACRES</b>		<b>22,484</b>

T15 R13 (Partial)

<u>Type</u>	<u>Acres</u>	
Softwoods:		
SW3A	4,402	
SW3B	2,258	
SW2B	532	
SW2A	306	
SW3C	374	
SW1B	136	
SW1A	13	
SW3AN	30	
CS2A	4	
Total Softwoods		8,055
Mixed Forest:		
HS3A	1,221	
HS3B	1,186	
HS3C	55	
HS1C	89	
HS1A	81	
HS2A	141	
HS2B	200	
HS3AP	101	
HS3AN	131	
SH3A	1,059	
SH2B	158	
SH2C	68	
SH3B	565	
SH3C	685	
SH1A	118	
SH1B	9	
SH3AN	209	
SH3AP	33	
Total Mixed Forest		6,109
Northern Hardwoods:		
HW3A	4,566	
HW3B	625	
HW3C	106	
HW2A	9	
HW3AN	30	
Total Northern Hardwoods		5,336
Aspen-Birch:		
PO3A	101	
PN3A	9	
Aspen-Birch		110

T15 R13 (Cont'd)

<u>Type</u>	<u>Acres</u>		
Wetlands:			
4110	761		
4	4		
8	<u>4</u>		
Total Wetlands		<u>769</u>	
TOTAL ACRES			20,379

TABLE 3  
 PERCENTAGES OF GENERAL LAND COVER TYPES WITHIN STUDY AREA TOWNSHIPS

General Land Cover Types	T11 R13	T11 R14	T12 R11	T12 R12	T12 R13	T13 R12	T13 R13	T14 R11	T14 R12	T14 R13	T15 R11	T15 R12	T15 <sup>1</sup> R13
Softwoods	56.4	57.8	31.2	34.4	52.9	42.9	49.2	39.9	42.8	44.0	29.7	41.2	39.5
Mixed Forest	28.0	28.0	42.1	45.4	26.4	40.1	35.7	38.2	30.9	30.0	50.2	42.4	30.0
Northern Hardwoods	5.3	9.4	23.7	19.2	12.2	11.0	14.4	20.6	24.6	24.9	15.3	16.2	26.2
Aspen-Birch	0.3	1.9	0.5	0.4	1.9	0.2	--	0.5	0.6	0.1	1.3	--	0.5
Wetlands	10.0	0.9	2.2	0.5	3.9	4.4	0.7	0.5	1.1	1.0	3.5	0.2	3.8
Shrubs	--	1.9	0.3	0.1	2.7	1.4	--	0.3	0.1	--	--	--	--
Other	--	0.1	--	--	--	--	--	--	--	--	--	--	--

<sup>1</sup>Partial township (20,379 Acres)

Table 4. Forest and Land Cover Code

Forest Land Classifications

The vegetation map delineates forest associations according to species composition, height and density. For example, the type symbol SW3A refers to spruce-fir forest (SW) which is greater than 50 feet in height (3) with a crown closure of 75-100% (A). Suffix letters are used to indicate additional association characteristics

Forest type symbols:

- SW - Conifers, predominately spruce-fir, 75-100% of type.
- HW - Northern hardwoods, sugar maple-beech-yellow birch, 75-100%.
- SH - Conifer and hardwood mixture with 50-75% conifers.
- HS - Hardwood and conifer mixture with 50-75% hardwoods.
- PN - White pine covering 75-100%.
- PO - Aspen, including trembling aspen, bigtooth aspen and balsam poplar, 75-100%.
- WB - White birch, 75-100% of stand.
- PB - Aspen-birch mixture with aspen predominating.
- BP - Birch-aspen mixture with white birch predominating.
- CS - Northern white cedar swamp, 75% or more of type.
- FS - Abandoned field seeding into softwoods.
- FH - Abandoned field seeding into hardwoods.

Height and density of crown closure:

Height	Density (percent crown closure)
1. Up to 30 feet	A. 75-100
2. 31-50 feet	B. 30-75
3. 50 feet and up	C. 0-30

Table 4. (Cont'd)

Type Suffix:

S - The suffix "S" indicates wet sites.

P,B,N - Suffixes referring to associate component in mixed forest type: aspen, birch, pine, respectively.

Other Land Classifications

Wetlands

1 - Seasonally flooded basins or flats

2 - Meadow

3 - Shallow marsh

4 - Deep marsh

6 - Shrub swamp

7 - Wooded swamp

8 - Bog

4110 - River

4220 - Pond

Shrub types

1310 - Alder - dogwood - willow

1350 - Clearcut, non-stocked with forest regeneration.

Active or Abandoned Agriculture

2100 - Active agricultural land

2110 - Tilled land

2120 - Field

2200 - Abandoned field reverting to conifers

2210 - Abandoned field reverting to hardwoods

2250 - Abandoned field reverting to mixed growth

Barren Land

5210 - Cleared land

5230 - Sand or gravel pits

Urban

6110 - Low density buildings

6200 - Pavements and transportation facilities

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Sources: Land Cover Coding Manual, Maine State Planning Office, 1975.  
Forest Land Classification System for the State of Maine. Manual for  
Maine Wetlands Inventory, Maine Dept. of Inland Fisheries and Game,  
Dec. 1972.