

Table 9: Changes in Abundance of Riparian Communities in the Fort McKay FTSA (AVI)

Map Code	Description	Late-1990s Scenario			Base Case			Net Change from Late 1990s to Base Case	Net Change (%) for Jackpine Project		Net Change (%) for Pierre River Mine		Net Change (%) at Application Case		Net Change (%) at Closure	
		Area	% of Riparian Zone	% of 40 Twp Block	Area	% of Riparian Zone	% of 40 Twp Block		Late 1990s	Base	Late 1990s	Base	Late 1990's	Base	Late 1990s	Base
		[ha]			[ha]			[%]								
Athabasca Plain Natural Subregion Ecosite Phases																
e1	willow/horsetail aspen-white birch-balsam poplar	204	1	<1	201	1	<1	-1	-1	0	-6	-5	-6	-5	-6	-5
e2	willow/horsetail aspen-white spruce-black spruce	515	2	<1	481	2	<1	-7	-7	0	-30	-25	-30	-25	-30	-25
e3	willow/horsetail white spruce-black spruce	162	1	<1	162	1	<1	0	0	0	-6	-6	-6	-6	-6	-6
	<i>Athabasca Plain ecosite phase subtotal</i>	<i>881</i>	<i>3</i>	<i><1</i>	<i>844</i>	<i>4</i>	<i><1</i>	<i>-4</i>	<i>-4</i>	<i>0</i>	<i>-20</i>	<i>-16</i>	<i>-20</i>	<i>-16</i>	<i>-20</i>	<i>-16</i>
Boreal Highlands Natural Subregion Ecosite Phases																
e2	fern balsam poplar-white spruce	22	<1	<1	22	<1	<1	0	0	0	0	0	0	0	0	0
e3	fern balsam poplar aspen	12	<1	<1	12	<1	<1	0	0	0	0	0	0	0	0	0
	<i>Boreal Highlandecosite phase subtotal</i>	<i>34</i>	<i><1</i>	<i><1</i>	<i>34</i>	<i><1</i>	<i><1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Central Mixedwood Natural Subregion Ecosite Phases																
e1	dogwood balsam poplar-aspen	1,274	5	<1	1,121	5	<1	-12	-12	0	-12	0	-12	0	-12	0
e2	dogwood balsam poplar-white spruce	872	3	<1	760	4	<1	-13	-13	0	-13	<-1	-13	<-1	-13	<-1
e3	dogwood white spruce	315	1	<1	185	1	<1	-41	-41	0	-55	-23	-55	-23	-55	-23
f2	horsetail balsam poplar-white spruce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
f3	horsetail white spruce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
h1	Labrador tea/horsetail white spruce-black spruce	1,214	5	<1	895	4	<1	-26	-29	-4	-26	<-1	-30	-5	-30	-5
	<i>Central Mixedwood ecosite phase subtotal</i>	<i>3,674</i>	<i>14</i>	<i>1</i>	<i>2,960</i>	<i>15</i>	<i>1</i>	<i>-19</i>	<i>-20</i>	<i>-1</i>	<i>-21</i>	<i>-2</i>	<i>-22</i>	<i>-3</i>	<i>-22</i>	<i>-3</i>
	<i>Uplands subtotal</i>	<i>4,589</i>	<i>17.6</i>	<i>1.2</i>	<i>3,838</i>	<i>18.8</i>	<i>1.0</i>	<i>-751</i>	<i>-17</i>	<i>-1</i>	<i>-20</i>	<i>-5</i>	<i>-21</i>	<i>-6</i>	<i>-21</i>	<i>-6</i>
Miscellaneous Vegetation Types																
FFNN	forested fen	7	<1	<1	7	<1	<1	0	0	0	0	0	0	0	0	0
FONG	graminoid fen	2,872	11	1	2,297	11	1	-20	-23	-4	-22	-2	-25	-6	-25	-6
FONS	shrubby fen	6,214	24	2	4,871	24	1	-22	-27	-6	-29	-9	-34	-16	-34	-16
FTNN	wooded fen	5,509	21	1	3,961	19	1	-28	-36	-11	-31	-4	-39	-15	-39	-15
MONG	marsh	57	<1	<1	27	<1	<1	-53	-53	0	-53	0	-53	0	-53	0
SONS	shrubby swamp	4,592	18	1	3,522	17	1	-23	-30	-8	-25	-2	-31	-10	-31	-10
STNN	wooded swamp	1,447	6	<1	1,194	6	<1	-17	-18	-1	-19	-2	-20	-3	-20	-3
	<i>wetlands subtotal</i>	<i>20,697</i>	<i>79</i>	<i>5</i>	<i>15,880</i>	<i>78</i>	<i>4</i>	<i>-23</i>	<i>-29</i>	<i>-7</i>	<i>-27</i>	<i>-5</i>	<i>-32</i>	<i>-12</i>	<i>-32</i>	<i>-12</i>
Miscellaneous Vegetation Types																
Cb	cutbank	82	<1	<1	80	<1	<1	-2	-2	0	-2	0	-2	0	-2	0
Me	meadow	118	<1	<1	99	<1	<1	-16	-16	0	-17	-1	-17	-1	-17	-1
Sh	shrubland	574	2	<1	486	2	<1	-15	-15	0	-15	0	-16	<-1	465	567
	<i>miscellaneous vegetation types subtotal</i>	<i>774</i>	<i>3</i>	<i><1</i>	<i>665</i>	<i>3</i>	<i><1</i>	<i>-14</i>	<i>-14</i>	<i>0</i>	<i>-14</i>	<i><-1</i>	<i>-14</i>	<i><-1</i>	<i>342</i>	<i>414</i>
Non-Vegetation Types																
Sand	sand	10	<1	<1	10	<1	<1	0	0	0	0	0	0	0	0	0
	<i>non-vegetation types subtotal</i>	<i>10</i>	<i><1</i>	<i><1</i>	<i>10</i>	<i><1</i>	<i><1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Total		26,071	100	7	20,393	100	5	-22	-26	-6	-25	-5	-30	-10	-19	3

Note: Some numbers are rounded for presentation purposes. Therefore, it may appear that the totals do not equal the sum of the individual value.