

**Table 5: Changes in the Abundance of Rare Plant Potential Classes the Fort McKay FTSA (Landsat)**

Land Cover Classes	Rare Plant Potential	Pre-Development Scenario		Base Case		Net Change from Pre-Dev to Base Case	Net Change (%) for Jackpine Mine Expansion		Net Change (%) for Pierre River Mine		Net Change (%) at Application Case		Net Change (%) at Application Case - Closure		Net Change (%) at Planned Development Case		Net Change (%) at Far Future (PDC Closure)	
		[ha]	[%]	[ha]	[%]	%	Pre-Dev	Base Case	Pre-Dev	Base Case	Pre-Dev	Base Case	Pre-Dev	Base Case	Pre-Dev	Base Case	Pre-Dev	Base Case
<b>Terrestrial Vegetation</b>																		
coniferous jack pine	Moderate	39,918	11	34,276	9	-14	-15	-1	-15	-1	-16	-2	-12	2	-16	-3	-8	7
coniferous jack pine-black spruce	Moderate	2,556	1	2,440	1	-5	-5	-1	-5	0	-5	-1	518	547	-9	-4	773	815
mixedwood aspen-jack pine	Moderate	6,583	2	5,804	2	-12	-12	<-1	-12	0	-12	<-1	-8	5	-13	-2	68	91
coniferous white spruce	Low	16,942	4	12,318	3	-27	-28	-1	-31	-5	-31	-6	-25	4	-38	-15	75	141
deciduous aspen-balsam poplar	Low	48,446	13	45,342	12	-6	-7	-1	-7	-1	-8	-2	-3	4	-26	-21	26	34
mixedwood aspen-white spruce	Low	43,720	12	38,726	10	-11	-13	-2	-15	-4	-17	-6	-11	1	-28	-19	24	40
<i>terrestrial - moderate rare plant potential</i>		49,057	14	42,520	12	-13	-14	-1	-14	-1	-15	-1	16	34	-16	-3	43	65
<i>terrestrial - low rare plant potential</i>		109,108	29	96,386	25	-12	-13	-1	-14	-3	-15	-4	-9	2	-29	-20	33	50
<i>terrestrial vegetation subtotal</i>		158,166	42	138,907	37	-12	-13	-1	-14	-2	-15	-3	-2	12	-25	-14	36	55
<b>Wetlands</b>																		
non-treed wetlands	High	38,388	10	25,551	7	-33	-39	-9	-37	-6	-43	-15	-36	-4	-45	-17	4	56
treed fen	High	68,825	18	53,594	14	-22	-26	-5	-27	-7	-31	-11	-31	-11	-34	-15	-32	-13
treed bog/poor fen	Moderate	64,280	17	47,644	13	-26	-31	-6	-29	-4	-33	-10	-33	-10	-36	-14	-36	-14
<i>wetlands - high rare plant potential subtotal</i>		107,213	28	79,145	21	-26	-31	-6	-31	-6	-35	-13	-33	-9	-38	-15	-19	9
<i>wetlands - moderate rare plant potential subtotal</i>		64,280	17	47,644	13	-26	-31	-6	-29	-4	-33	-10	-33	-10	-36	-14	-36	-14
<i>wetlands subtotal</i>		171,493	45	126,789	33	-26	-31	-6	-30	-5	-35	-12	-33	-10	-37	-15	-26	1
<b>Other</b>																		
burn	Moderate	40,061	11	6,863	2	-83	-90	-43	-83	0	-90	-43	-90	-43	-90	-43	-90	-43
water	Low	9,851	3	9,150	2	-7	-7	<-1	-8	-1	-8	-1	63	75	-8	-1	140	158
cloud	Low	67	<1	0	0	-100	-100	(a)	-100	(a)	-100	(a)	-100	(a)	-100	(a)	-100	(a)
<i>other subtotal</i>		49,979	13	16,013	4	-68	-74	-18	-68	0	-74	-19	-60	25	-74	-19	-45	72
<b>Disturbances</b>																		
cutblock	Moderate	2	<1	4,716	1	235700	231950	-2	216050	-8	212350	-10	212350	-10	212350	-10	213200	-10
disturbance	Low	0	0	93,217	25	(a)	(a)	14	(a)	11	(a)	24	(a)	-9	(a)	45	(a)	-94
<i>disturbances subtotal</i>		2	<1	97,933	26	4896550	5524400	13	5383700	10	6011550	23	4463650	-9	6982500	43	490200	-90
<b>Total</b>		<b>379,641</b>	<b>100</b>	<b>379,641</b>	<b>100</b>													

a - undefinable in % as base case or pre-development scenario = 0