

TMI_952-WL(2)-07_Table_5_(R1): Habitat Losses within the PSA and LSA

Habitat Category	Habitat Sub-category	Baseline			Construction and Operations					Abandonment*				
		Habitat Area (ha)			Habitat loss (ha)		Percent of habitat lost (%) **			Area rehabilitated Abandonment (ha)	Irreversible habitat lost Abandonment (ha) (4)	Percent of habitat lost (%) **		
		PSA	LSA	RSA	Direct (1)	Indirect (2)	PSA (3)	LSA (3)	RSA (3)			PSA (5)	LSA (5)	RSA (5)
Upland	Barren	2.53	34.91	483.83	2.53	0.00	100.00%	7.25%	0.52%	0.00	2.53	100.00%	7.25%	0.52%
	Coniferous forest	195.41	2,415.38	101,806.72	195.41	13.17	100.00%	8.64%	0.20%	19.47	189.11	96.77%	7.83%	0.19%
	Deciduous forest	75.91	1,184.44	79,131.85	75.91	8.09	100.00%	7.09%	0.11%	16.71	67.29	88.65%	5.68%	0.09%
	Mixedwood forest	0.00	0.00	731.45	0.00	0.00	0.00%	0.00%	0.00%	0.00	0.00	0.00%	0.00%	0.00%
	Grassland	1.48	83.12	6,303.81	1.48	0.00	100.00%	1.78%	0.02%	183.11	-181.63	-12288.56%	-218.51%	-2.88%
	Shrubland	2.37	59.40	3,536.41	2.37	0.00	100.00%	3.99%	0.07%	26.59	-24.22	-1022.42%	-40.78%	-0.68%
	Upland Total	277.69	3,777.25	191,994.06	277.69	21.26	100.00%	7.91%	0.16%	245.88	53.08	19.11%	1.41%	0.03%
Wetland	Bog	0.00	0.00	28.56	0.00	0.00	0.00%	0.00%	0.00%	0.00	0.00	0.00%	0.00%	0.00%
	Fen	0.80	819.64	9,684.89	0.80	1.17	100.00%	0.24%	0.02%	0.45	1.52	190.20%	0.19%	0.02%
	Marsh	5.14	160.74	8,347.12	5.14	0.15	-16.73%	-0.44%	-0.01%	0.15	-19.02	-370.04%	-11.83%	-0.23%
	Swamp – coniferous	24.37	573.79	22,769.90	24.37	7.99	100.00%	5.64%	0.14%	7.99	24.37	100.00%	4.25%	0.11%
	Swamp – deciduous	10.23	155.53	7,273.83	10.23	6.40	100.00%	10.70%	0.23%	6.40	10.23	100.00%	6.58%	0.14%
	Fish compensation ponds (6)	—	—	—	-6.00	0.00	—	—	—	6.00	—	—	—	—
	Collection ponds 2A and 2B (7)	—	—	—	—	—	—	—	—	7.02	—	—	—	—
	West basin of the pit lake (8)	—	—	—	—	—	—	—	—	11.14	—	—	—	—
Wetland Total	40.54	1,709.70	48,104.30	34.54	15.71	85.20%	2.94%	0.10%	39.15	17.10	42.18%	1.00%	0.04%	
Disturbed	12.04	292.23	8,474.48	12.04	1.27	100.00%	4.55%	0.16%	66.77	-53.46	-444.19%	-18.29%	-0.63%	
Open Water	3.99	280.08	65,274.94	3.99	0.22	100.00%	1.50%	0.01%	20.92	-16.71	-418.78%	-5.97%	-0.03%	
Total	334.26	6,059.26	313,847.79	328.26	38.46	98.20%	6.05%	0.12%	372.72	0.00	0.00%	0.00%	0.00%	

Notes:

- (1) Habitat directly removed within the Project Study Area during construction and/or operations.
- (2) Habitat indirectly impacted by Project activities including noise, light, dust, changes in flows and the effects of groundwater drawdown.
- (3) The marsh percentages include the losses as a result of the Project, and the additional habitat created by the construction of the compensation ponds during operations.
- (4) The marsh habitat rehabilitated includes the additional habitat created by the fish compensation ponds, the rehabilitated collection ponds and the rehabilitated west basin of the pit lake.
- (5) The marsh percentages include the losses as a result of the Project during construction and operations, as well as the additional habitat created by the fish compensation ponds, the rehabilitated collection ponds and the rehabilitated west basin of the pit lake.
- (6) The construction of the fish compensation ponds will add 6 ha (a loss of -6 ha) of marsh habitat.
- (7) At closure, collection ponds 2A and 2B will be rehabilitated to form 7.02 ha of additional marsh habitat.
- (8) Following the end of mining, dewatering activities will cease and the open pit will be allowed to fill with water. The west basin will be shallow (i.e., 2 to 3 m) and the area is expected to form marsh habitat.

* The term "abandonment" has been used herein at the request of the Agency. The terms used throughout the revised EIS (April 2018) and Round 1 and 2 information requests for the Goliath Gold Project are "Closure" and "Post-Closure".

** Negative values for "Percentage of habitat loss" represent situations where habitat within a particular sub-category is created.