

APPENDIX 5

SOILS

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BKS Environmental Associates, Inc., 2010. 2010 Baseline Soil Assessment Wharf and Golden Reward Expansion Areas, prepared by BKS Environmental Associates, Inc., Gillette, WY, for Wharf Resources (USA), Inc., Lead, SD.

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Table 2: Approximate Soil Salvage Depths

Map Symbol	Map Unit Description	Permit Acreage¹	Salvage Depth² (Inches)	Total Volume of Topsoil³ (acre-feet)
Ci	Citadel silt loam	5.61	11.00	5.14
Go	Goldmine loam	176.09	5.00	73.37
Gr	Grizzly very gravelly silt loam	118.62	2.00	19.77
Hi	Hisega loam	208.45	8.00	138.97
RO/R	Rock Outcrop/Rubbleland	30.73	0.00	0.00
Sa	Sawdust channery loam	9.15	2.00	1.52
Tr	Trebor silt loam	18.01	13.00	19.51
Va	Vanocker gravelly silt loam	3.49	12.00	3.49
Vi	Virkula silt loam	2.06	18.00	3.10
Wi	Winetti gravelly sandy loam	28.29	2.00	4.72
Average Salvage Depth of Study Area⁴		---	5.39	---
Total		600.50	---	269.59

¹ Found in Table 1 of this report

² Found in Addendum B of this report, under Topsoil Suitability

³ Calculated by multiplying permit acreage by salvage depth in inches

⁴ Calculated as the average of the weighted average salvage depths found in Addendum B