

Saskatchewan Grassland Range Health Assessment

HYDROLOGIC FUNCTION & SOIL PROTECTION

Question 4.1 Is there more soil erosion than expected for this site? Y or N		
No signs of soil erosion or not beyond the natural extent* for the site *Note: see workbook for information on erosion features	10	
Some evidence of soil erosion	7	
Moderate amounts of soil erosion	3	
Extreme amounts of soil erosion	0	
Score		
Question 4.2. Is there more bare soil than expected for this site? Y or N		
10% or less of exposed soil is human-caused	5	
Greater than 10 and up to 20% of exposed soil is human-caused	3	
Greater than 20 and up to 50% of exposed soil is human-caused.	2	
Greater than 50% of exposed soil is human-caused.	0	
Actual ____ % less Expected ____% = ____% Human Caused Club Moss ____ %		Score
Question 5. Is the expected amount of litter present?		
Litter amounts are more or less uniform across site litter standing crop (lb./ac.) is in the range of 65 to 100% of expected amounts under moderate disturbance.	25	
Litter amounts are somewhat patchy across the site and litter standing crop (lb./ac.) is in the range of 35 to 65% of expected amounts under moderate disturbance.	13	
The distribution of litter is not uniform across the site. Litter standing crop (lb./ac.) is in the range of less than 35% of amounts expected under moderate disturbance.	0	
Score		
(B) TOTAL SCORE FOR HYDROLOGIC FUNCTION & SOIL PROTECTION		

Range Health Scores

(A) Vegetation status (out of 60)

(B) Hydrologic function & soil protection (out of 40)

Overall score (out of 100)

Healthy 75%-100% ---- Healthy with Problems 50%-74% --- Unhealthy < 50%

Class	Abundance of species in polygon	Distribution	Score
0	None		5
1	Rare	.	3
2	A few sporadically occurring individual plants	. . .	0
3	A single patch	. . .	
4	A single patch plus a few sporadically occurring plants	
5	Several sporadically occurring plants	
6	A single patch plus several sporadically occurring plants	
7	Several well-spaced patches	
8	A few patches plus several sporadically occurring plants	
9	Several well-spaced patches	
10	Continuous uniform occurrences of well-spaced plants	
11	Continuous occurrence of plants with a few gaps in distribution	
12	Continuous dense occurrence of plants	
13	Continuous occurrence of plants	

NOTES: