

# Saskatchewan Forest Range Health Assessment – Quantitative Method

Plot \_\_\_\_\_ Observer \_\_\_\_\_ Date \_\_\_\_\_ Photo # \_\_\_\_\_

Legal Location \_\_\_\_\_

GPS Coordinates (NAD 83)

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Easting \_\_\_\_\_ Northing \_\_\_\_\_

Ecoregion \_\_\_\_\_ Ecosite \_\_\_\_\_ Soil Map Unit \_\_\_\_\_

Dom. Tree Species \_\_\_\_\_ Canopy Height \_\_\_\_\_ Crown Closure \_\_\_\_\_

## VEGETATION STATUS

FREQUENCY SURVEY (record 1 for present, 0 for absent)			COVER-POLE
	decr. shrubs	decr. herbs	invasive
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
total			
	divide by 30, multiply by 100		divide by 6
	PERCENT FREQUENCY		subtract from 100
			PERCENT HIDDEN

<b>Question 1a. What kind of shrubs are present?</b>		
Frequency of decreaser shrubs more than 60% in Boreal Forest (>50% in Aspen Parkland)	15	
Frequency of decreaser shrubs 40 - 60% in Boreal Forest (30 - 50% in Aspen Parkland)	10	
Frequency of decreaser shrubs 20 - 40% in Boreal Forest (10 - 30% in Aspen Parkland)	5	
Frequency of decreaser shrubs less than 20% in Boreal Forest (<10% in Aspen Parkland)	0	
	Score	
<b>Question 1b. What kind of herbs are present?</b>		
Frequency of decreaser herbs more than 90% in Boreal Forest (>75% in Aspen Parkland)	15	
Frequency of decreaser herbs 65 - 90% in Boreal Forest (55 - 75% in Aspen Parkland)	10	
Frequency of decreaser herbs 40 - 65% in Boreal Forest (35 - 55% in Aspen Parkland)	5	
Frequency of decreaser herbs less than 40% in Boreal Forest (<35% in Aspen Parkland)	0	
	Score	
<b>Question 2. Are the expected plant layers present?</b>		
More than 50% of cover-pole hidden in Boreal Forest (>40% in Aspen Parkland)	20	
40 - 50% of cover-pole hidden in Boreal Forest (30 - 40% in Aspen Parkland)	15	
30 - 40% of cover-pole hidden in Boreal Forest (20 - 30% in Aspen Parkland)	10	
20 - 30% of cover-pole hidden in Boreal Forest (10 - 20% in Aspen Parkland)	5	
Less than 20% of cover-pole hidden in Boreal Forest (<10% in Aspen Parkland)	0	
	Score	
<b>Question 3. Are invasive species present?</b>		
No invasive species present	20	
Invasive species present but frequency less than 20%	15	
Frequency of invasive species 20% to 40%	10	
Frequency of invasive species 40% to 60%	5	
Frequency of invasive species more than 60%	0	
	Score	
<b>(A) TOTAL SCORE FOR VEGETATION STATUS</b>		