UTILIZATION AND APPARENT TREND

Rattlesnake 2018

Guide to Degree of Use

Circle the level that best describes current use of plants in monitoring area.

Use Level	Description
None	No grazing use.
Light	Only best plants grazed.
Moderate	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	+2	0	-2
2. Are desirable plant species abundant in all classes?	+2	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	+1	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	-1	0	+1
5. Is litter fairly abundant and some composed of desirable plants.	+1	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	+2
7. Are plant roots exposed or other signs of pedestaling?	-1	0	+1

areas shared w/ frequent elk use

9

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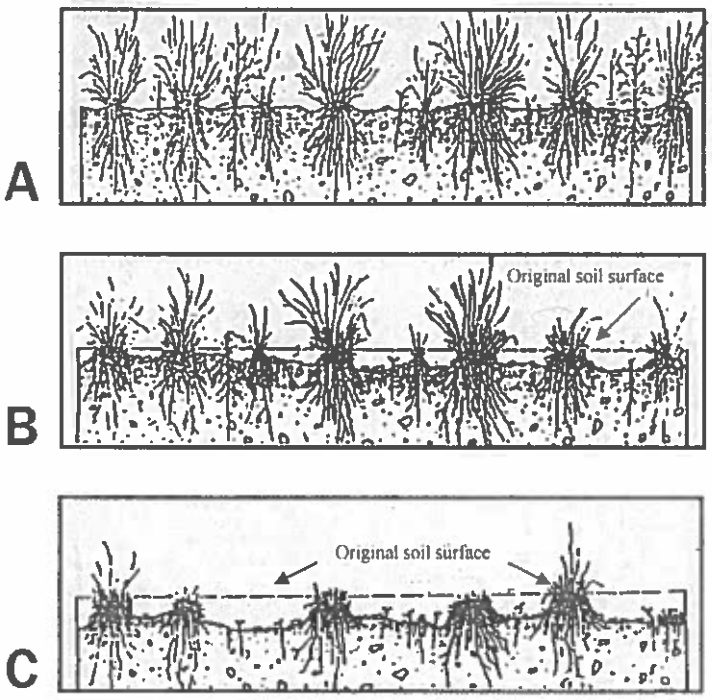
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ___way below average ✓slightly below average ___ average ___slightly above average ___way above average.

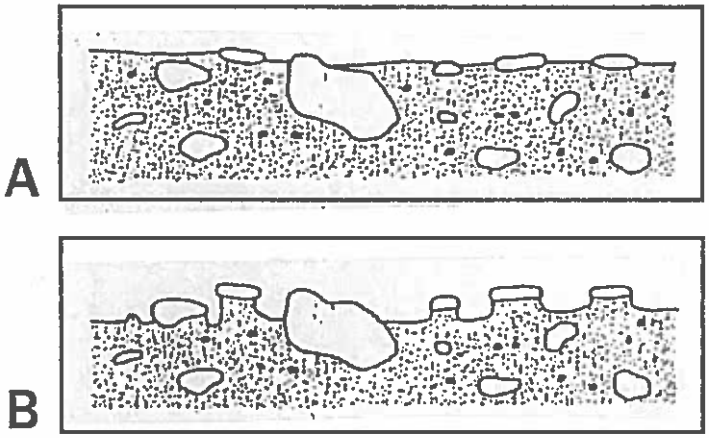
2. Describe growing season conditions: ___above average ___average ✓below average

3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____

4. Other Comments: 2019 Routing near Red Rock needs to enter low + leave 15200



Formation of soil remnants. A) Thinned stand of plants and scarcity of litter permit erosion by Sheet wash and raindrop splash. B) More soil has been carried away, plants are left on pedestals, And small stones accumulate at surface. C) Plants are weekend and dying not only because of heavy grazing, but because of drying from root exposure and undercutting by erosion. Accumulation of stones on surface shows development of an erosion pavement.



Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals, (B) a special type of soil remnant.

UTILIZATION AND APPARENT TREND

NMe
2018

Guide to Degree of Use

Circle the level that best describes current use of plants in monitoring area.

Use Level	Description
None	No grazing use.
Light	Only best plants grazed.
Moderate	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	+2	0	-2
2. Are desirable plant species abundant in all classes?	+2	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	+1	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	-1	0	+1
5. Is litter fairly abundant and some composed of desirable plants.	+1	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	+2
7. Are plant roots exposed or other signs of pedestaling?	-1	0	+1

-1608 high elk use

9

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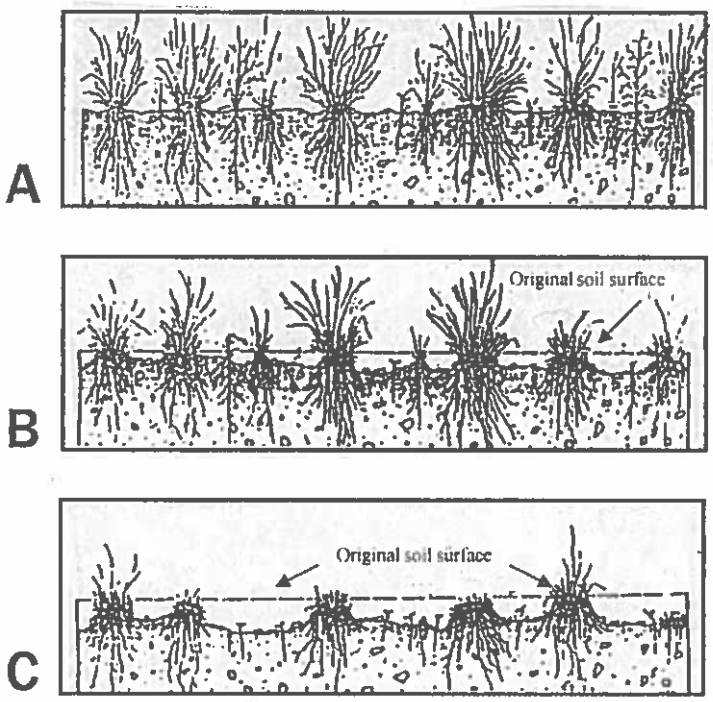
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ___way below average ✓slightly below average ___ average ___slightly above average ___way above average.

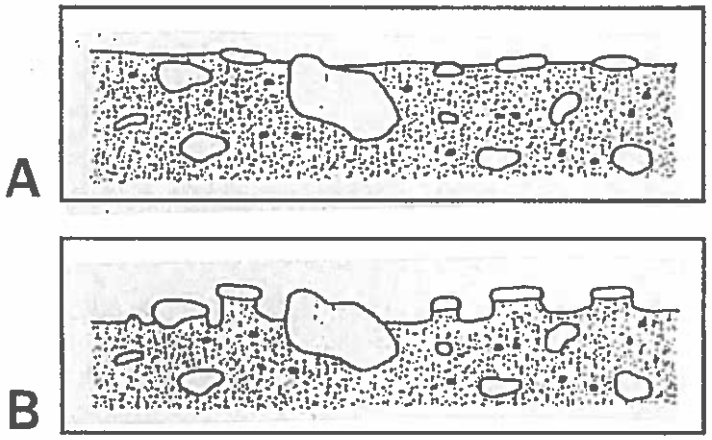
2. Describe growing season conditions: ___above average ___average ✓below average.

3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____

4. Other Comments:



Formation of soil remnants. A) Thinned stand of plants and scarcity of litter permit erosion by Sheet wash and raindrop splash. B) More soil has been carried away, plants are left on pedestals, And small stones accumulate at surface. C) Plants are weekend and dying not only because of heavy grazing, but because of drying from root exposure and undercutting by erosion. Accumulation of stones on surface shows development of an erosion pavement.



Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals. (B) a special type of soil remnant.

UTILIZATION AND APPARENT TREND

Guide to Degree of Use

Circle the level that best describes current use of plants in monitoring area.

Naches trial 2018

Use Level	Description
None	No grazing use.
Light	Only best plants grazed.
(Moderate)	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	(+2)	0	-2
2. Are desirable plant species abundant in all classes?	(+2)	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	(+1)	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	-1	(0)	+1
5. Is litter fairly abundant and some composed of desirable plants.	(+1)	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	(+2)
7. Are plant roots exposed or other signs of pedestaling?	-1	0	(+1)

LOTS of ELK an recreational deep use

9

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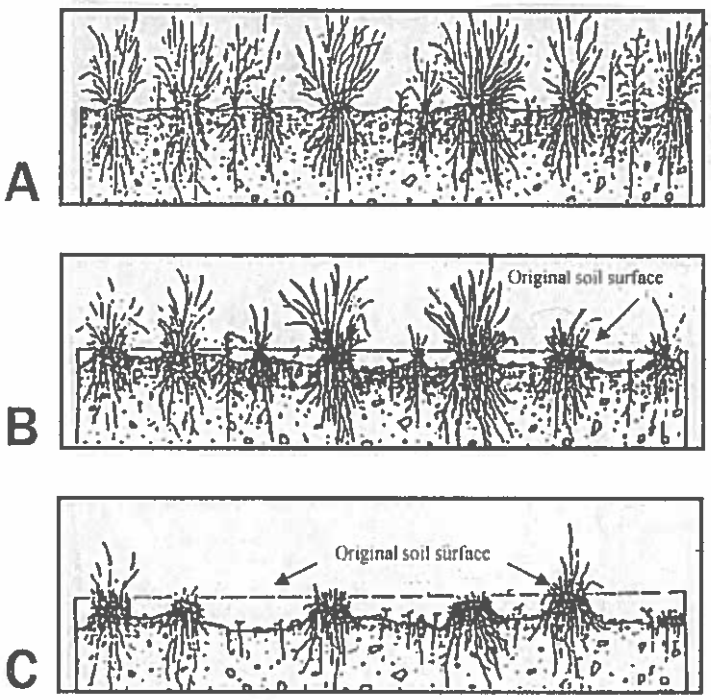
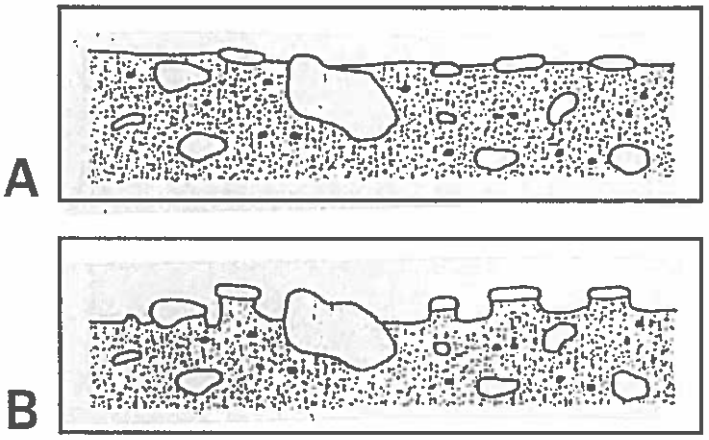
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ____way below average ✓slightly below average ____ average ____slightly above average ____way above average.
2. Describe growing season conditions: ____above average ____average ✓below average.
3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____
4. Other Comments: 2019 Trough locations need increased in 1702 1722 areas



Formation of soil remnants. A) Thinned stand of plants and scarcity of litter permit erosion by Sheet wash and raindrop splash. B) More soil has been carried away; plants are left on pedestals, And small stones accumulate at surface. C) Plants are weekend and dying not only because of heavy grazing, but because of drying from root exposure and undercutting by erosion. Accumulation of stones on surface shows development of an erosion pavement.



Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals. (B) a special type of soil remnant.

UTILIZATION AND APPARENT TREND

Manastash 2018

Guide to Degree of Use

Circle the level that best describes current use of plants in monitoring area.

Use Level	Description
None	No grazing use.
Light	Only best plants grazed.
Moderate	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	+2	0	-2
2. Are desirable plant species abundant in all classes?	+2	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	+1	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	-1	0	+1
5. Is litter fairly abundant and some composed of desirable plants.	+1	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	+2
7. Are plant roots exposed or other signs of pedestaling?	-1	0	+1

10

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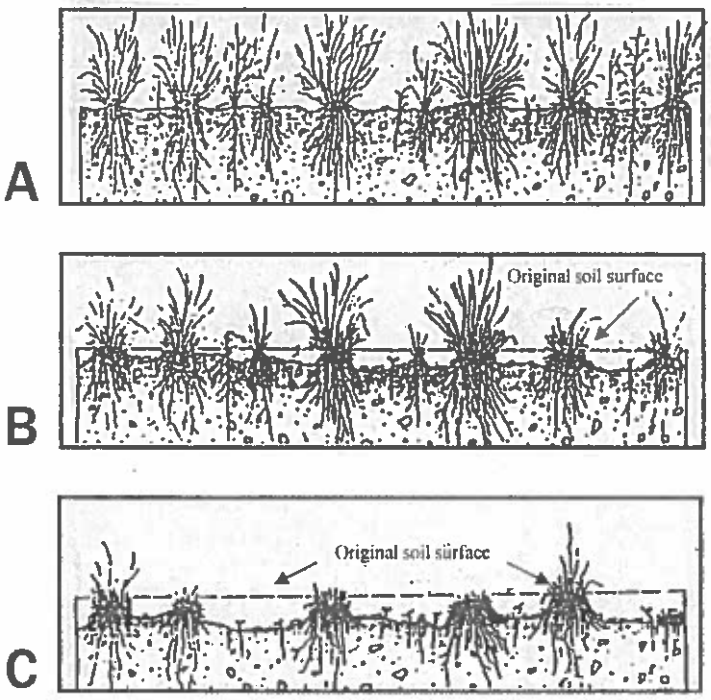
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ___way below average ___slightly below average ___ average ___slightly above average ___way above average.

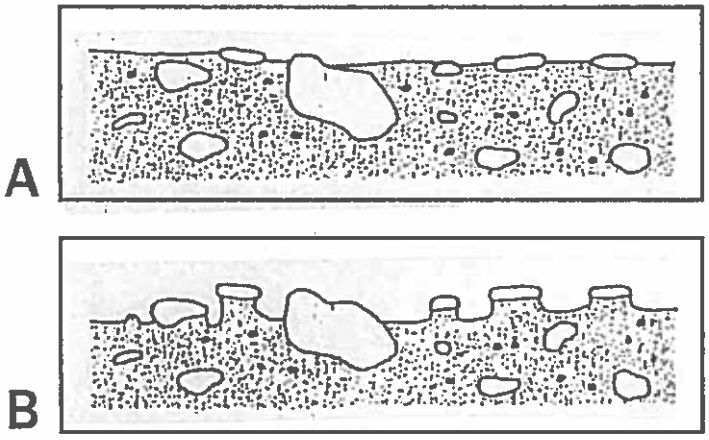
2. Describe growing season conditions: ___above average ___average ___below average.

3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____

4. Other Comments:



Formation of soil remnants. A) Thinned stand of plants and scarcity of litter permit erosion by Sheet wash and raindrop splash. B) More soil has been carried away, plants are left on pedestals, And small stones accumulate at surface. C) Plants are weekend and dying not only because of heavy grazing, but because of drying from root exposure and undercutting by erosion. Accumulation of stones on surface shows development of an erosion pavement.



Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals. (B) a special type of soil remnant.

UTILIZATION AND APPARENT TREND

Swank 2018

Guide to Degree of Use

Circle the level that best describes current use of plants in monitoring area.

Use Level	Description
None	No grazing use.
Light	Only best plants grazed.
(Moderate)	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	(+2)	0	-2
2. Are desirable plant species abundant in all classes?	(+2)	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	(+1)	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	(-1)	0	+1
5. Is litter fairly abundant and some composed of desirable plants.	(+1)	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	(+2)
7. Are plant roots exposed or other signs of pedestaling?	-1	0	(+1)

10

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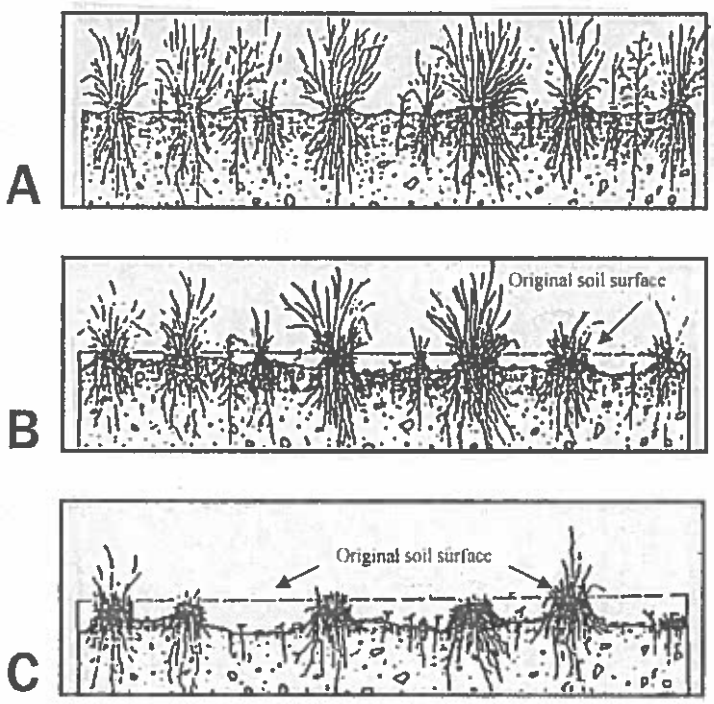
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ____way below average ✓ slightly below average ____ average ____slightly above average ____way above average.

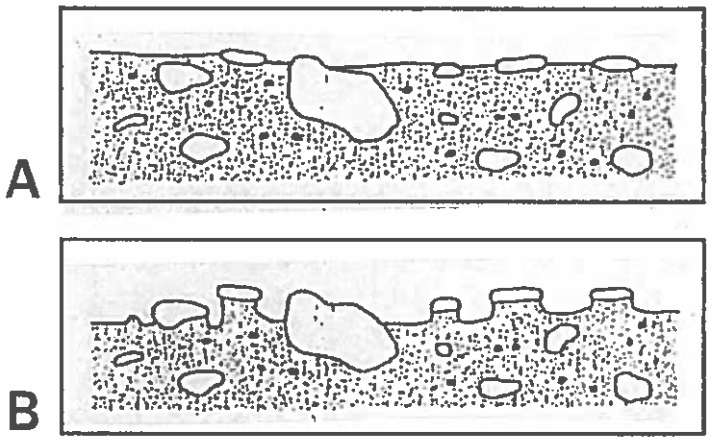
2. Describe growing season conditions: ____above average ____average ✓ below average.

3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____

4. Other Comments: Early exit, due to wolf proximity at Red Top



Formation of soil remnants. A) Thinned stand of plants and scarcity of litter permit erosion by Sheet wash and raindrop splash. B) More soil has been carried away; plants are left on pedestals. And small stones accumulate at surface. C) Plants are weekend and dying not only because of heavy grazing, but because of drying from root exposure and undercutting by erosion. Accumulation of stones on surface shows development of an erosion pavement.



Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals. (B) a special type of soil remnant.

UTILIZATION AND APPARENT TREND

Eagle Blag 2018

Guide to Degree of Use

Circle the level that best describes current use of plants in monitoring area.

Use Level	Description
None	No grazing use.
Light	Only best plants grazed.
(Moderate)	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	(+2)	0	-2
2. Are desirable plant species abundant in all classes?	(+2)	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	(+1)	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	(-1)	0	+1
5. Is litter fairly abundant and some composed of desirable plants.	(+1)	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	(+2)
7. Are plant roots exposed or other signs of pedestaling?	-1	0	(+1)

10

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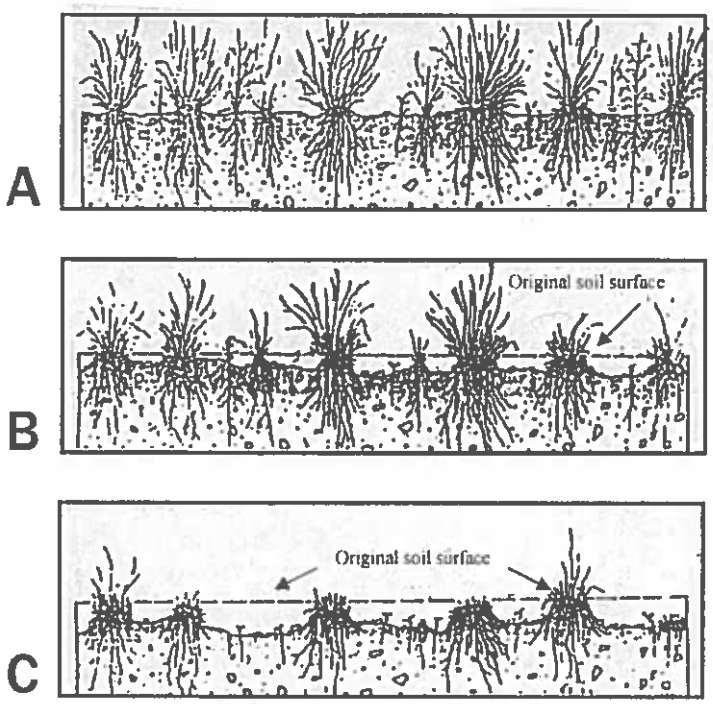
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ___way below average ✓ slightly below average ___ average ___slightly above average ___way above average.

2. Describe growing season conditions: ___above average ___average ✓ below average.

3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____

4. Other Comments:



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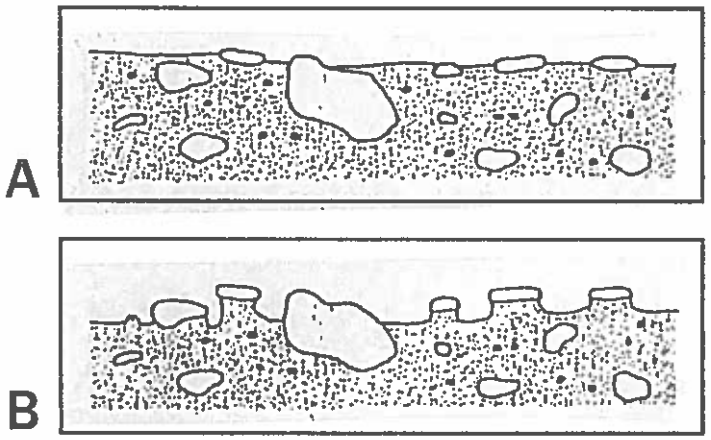

Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals, (B) a special type of soil remnant.

UTILIZATION AND APPARENT TREND

Guide to Degree of Use

Circle the level that best describes current use of plants in monitoring area.

Switchback 2018

Use Level	Description
None	No grazing use.
Light	Only best plants grazed.
Moderate	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	+2	0	-2
2. Are desirable plant species abundant in all classes?	+2	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	+1	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	-1	0	+1
5. Is litter fairly abundant and some composed of desirable plants.	+1	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	+2
7. Are plant roots exposed or other signs of pedestaling?	-1	0	+1

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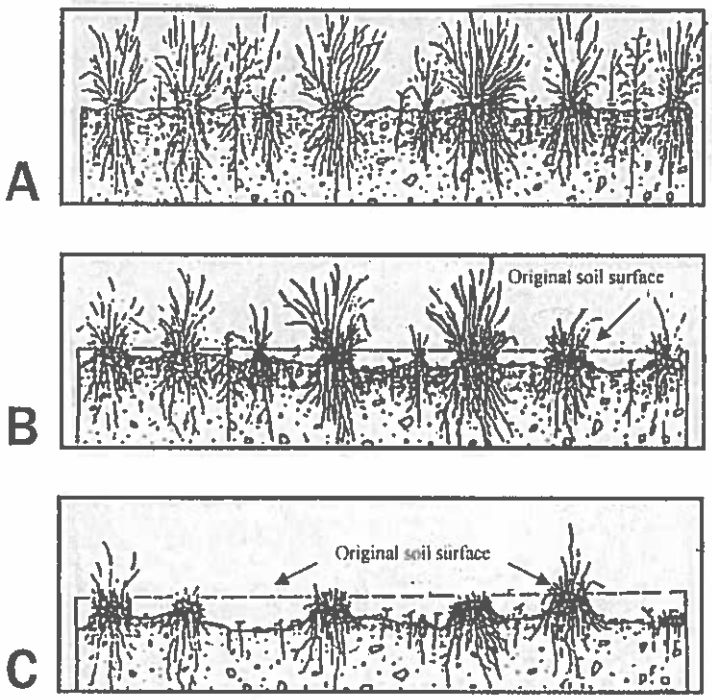
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ____way below average ____slightly below average ____ average ____slightly above average ____way above average.

2. Describe growing season conditions: ____above average ____average ____below average.

3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____

4. Other Comments:



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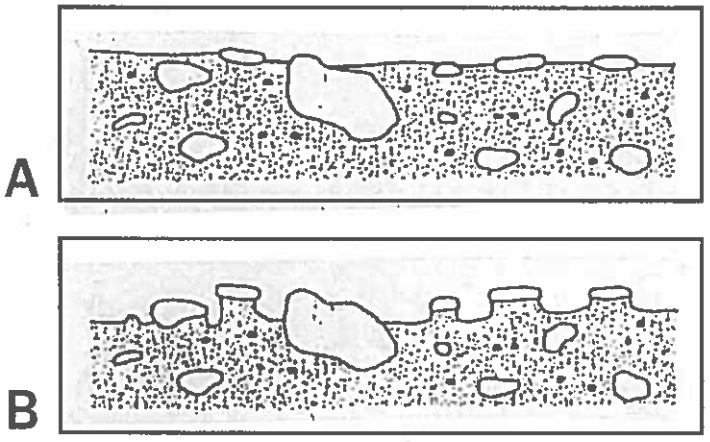

Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals, (B) a special type of soil remnant.

UTILIZATION AND APPARENT TREND

Limerick 2018

Guide to Degree of Use

Circle the level that best describes current use of plants in monitoring area.

Use Level	Description
None	No grazing use.
Light	Only best plants grazed.
Moderate	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	+2	0	-2
2. Are desirable plant species abundant in all classes?	+2	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	+1	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	-1	0	+1
5. Is litter fairly abundant and some composed of desirable plants.	+1	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	+2
7. Are plant roots exposed or other signs of pedestaling?	-1	0	+1

10

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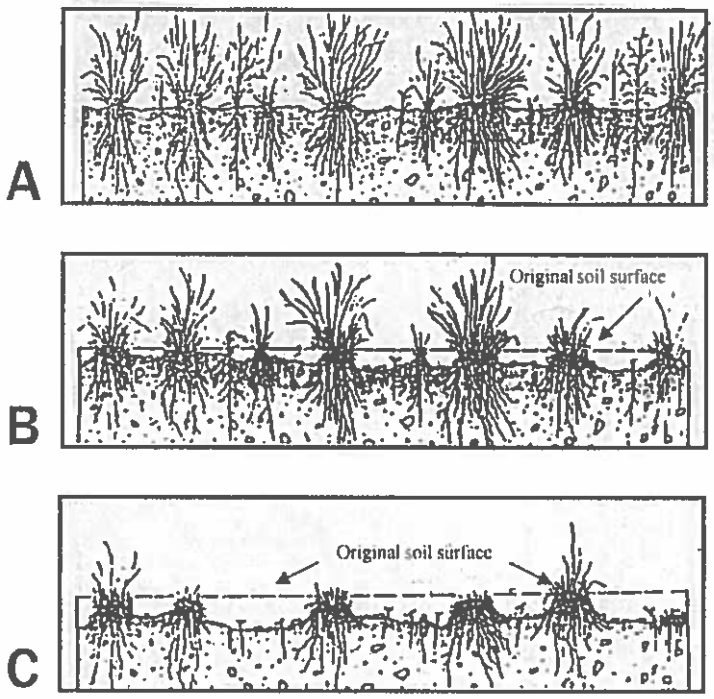
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ____way below average ____slightly below average ____ average ____slightly above average ____way above average.

2. Describe growing season conditions: ____above average ____average ____below average

3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____

4. Other Comments:



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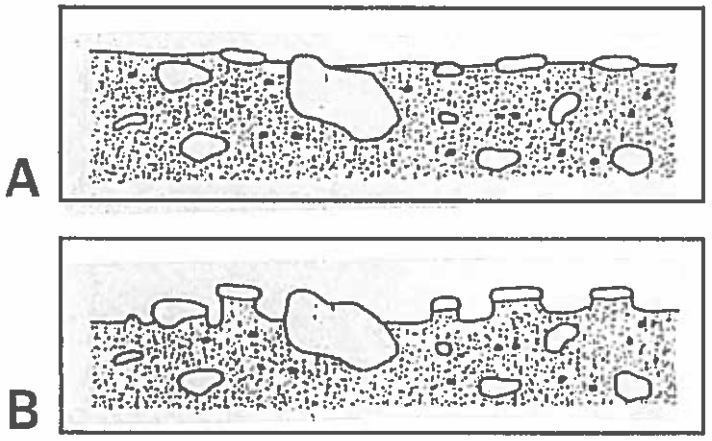

Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals, (B) a special type of soil remnant.

UTILIZATION AND APPARENT TREND

Guide to Degree of Use

Mosquito

Circle the level that best describes current use of plants in monitoring area.

Use Level	Description
None	No grazing use.
(Light)	Only best plants grazed.
Moderate	30-60 percent use on primary forage Plants grazed, most range is grazed, But with little use on poor forage plants.
Heavy	Primary forage plants almost completely used. Some use on low value plants.
Severe	Primary forage plants weak from repeated cropping. Low value plants also grazed.

Trend

Circle your estimate of each factor. Trend score is the sum of all circled numbers.

	Yes	Maybe	No
1. Do the desirable species make up more than one half of the vegetation cover or weight?	(+2)	0	-2
2. Are desirable plant species abundant in all classes?	(+2)	0	-2
3. Does leaf length, seed production and color of desirable plants indicate strong vigor?	(+1)	0	-1
4. Is there any evidence of overgrazing (hedging) on shrubs?	-1	0	(+1)
5. Is litter fairly abundant and some composed of desirable plants.	(+1)	0	-1
6. Is there evidence of soil movement or loss (wind or water)?	-2	0	(+2)
7. Are plant roots exposed or other signs of pedestaling?	-1	0	(+1)

10

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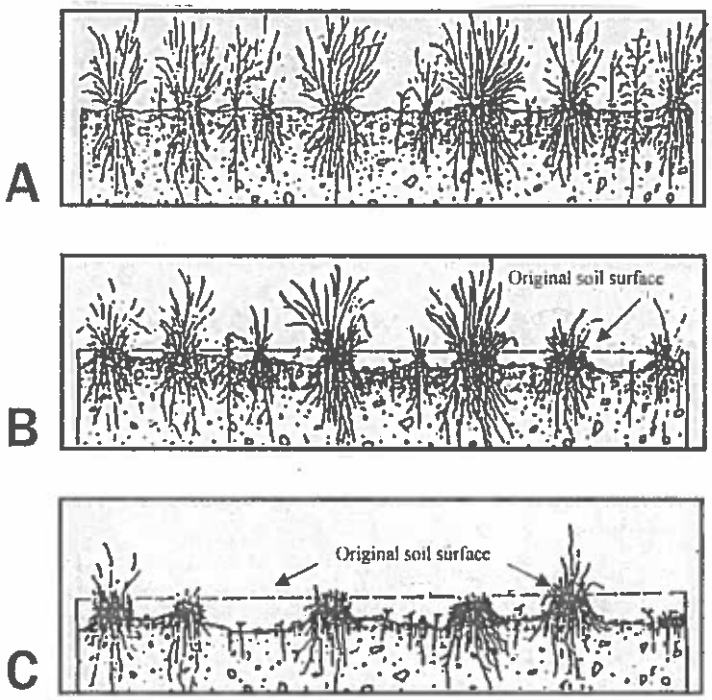
RECORD GENERAL OBSERVATIONS

1. Rainfall during the current year: ___way below average ✓ slightly below average ___ average ___slightly above average ___way above average.
2. Describe growing season conditions: ___above average ___average ✓ below average.
3. Describe any unusual ecological events (i.e., insects, fire, hail etc.) _____
4. Other Comments: Unload at Tillicum used per district. 2019 location unknown.



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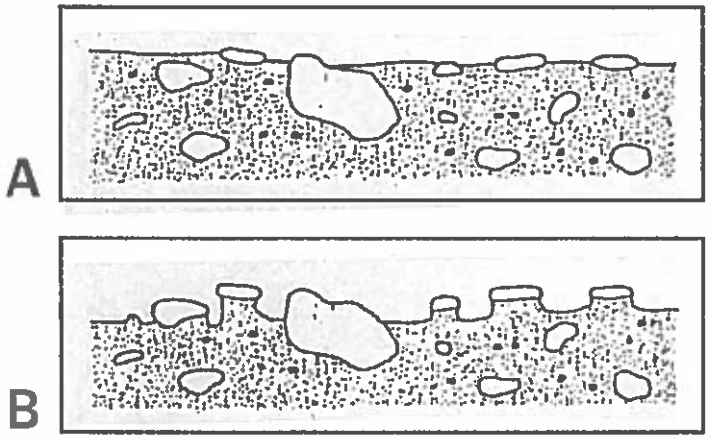

Where soil is bare (A) raindrop splash and flow of water over the surface, removes fine soil Particles and leaves small stones perched on pedestals. (B) a special type of soil remnant