| Allotment | Pine Creek | Pasture | Pine Creek | | | | | |
|---|---|---|---|---|---|---|---|---|
| Date | 9/23/2010 | Study | PC-PC-01 | | | | | |
| | | Ungrazed | Grazed | % Use | | Ungrazed | Grazed | % Use |
| | **1** | | 4.5 | 51% | **31** | | 3.5 | 58% |
| | **2** | | 4.0 | 55% | **32** | 19.5 | | 0% |
| | **3** | | 4.0 | 55% | **33** | | 6.5 | 36% |
| | **4** | | 3.5 | 58% | **34** | | 1.5 | 78% |
| | **5** | | 3.0 | 61% | **35** | | 2.5 | 66% |
| | **6** | | 4.0 | 55% | **36** | | 2.0 | 72% |
| | **7** | | 4.5 | 51% | **37** | | 3.5 | 58% |
| | **8** | | 1.5 | 78% | **38** | | 1.5 | 78% |
| | **9** | | 2.0 | 72% | **39** | | 3.5 | 58% |
| | **10** | | 1.5 | 78% | **40** | | 14.5 | 8% |
| | **11** | | 2.0 | 72% | **41** | | 2.5 | 66% |
| | **12** | 25.0 | | 0% | **42** | | 2.0 | 72% |
| | **13** | | 1.0 | 86% | **43** | | 2.0 | 72% |
| | **14** | | 3.0 | 61% | **44** | | 2.5 | 66% |
| | **15** | | 2.0 | 72% | **45** | | 3.0 | 61% |
| | **16** | | 5.0 | 45% | **46** | | 6.0 | 40% |
| | **17** | | 1.0 | 86% | **47** | | 1.0 | 86% |
| | **18** | | 3.5 | 58% | **48** | | 5.0 | 45% |
| | **19** | | 1.5 | 78% | **49** | 18.0 | | 0% |
| | **20** | | 1.5 | 78% | **50** | | 2.5 | 66% |
| | **21** | | 2.5 | 66% | **51** | | 5.0 | 45% |
| | **22** | | 2.5 | 66% | **52** | | 2.5 | 66% |
| | **23** | | 2.0 | 72% | **53** | | 3.0 | 61% |
| | **24** | | 1.5 | 78% | **54** | | 4.5 | 51% |
| | **25** | | 2.5 | 66% | **55** | | 4.0 | 55% |
| | **26** | | 4.0 | 55% | **56** | | 2.5 | 66% |
| | **27** | | 3.0 | 61% | **57** | | 2.0 | 72% |
| | **28** | | 4.0 | 55% | **58** | | 2.0 | 72% |
| | **29** | | 3.0 | 61% | **59** | | 4.5 | 51% |
| | **30** | | 3.0 | 61% | **60** | | 3.0 | 61% |
| | SUM | | | | | 62.5 | 179.5 | 3577% |
| | Average | | | | | 19.4 | 3.1 | **60%** |
| | Std Dev | | | | | 3.685557 | 1.97973 | 0.191179 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 10.5 | 13.5 | 16.5 | 19 | 18 | 20.5 | 23 | 18 | 18.5 |
| 25.5 | 25 | 19.5 | 25.5 | 21 | 15 | 18 | | |

Page ____ of ____

**Height-Weight** Photo time - 3:40. p.m.

| Study Number | Date | Examiner |
|---|---|---|
| PCPC. 01 | 9-23-10 | R. Swenson |

| Allotment Name & Number | Pasture |
|---|---|
| Pine Creek Sulphur Beds | Pine creek |

| Kind and/or Class of Animal | Period of Use |
|---|---|
| Cow - Calf | June 15th - Aug 15th |

Key Species AGCR Culm X Culmless

| No | Height Ungra | Height Graze | % Utilization | No | Height Ungra | Height Graze | % Utilization | No | Height Ungra | Height Graze | % Utilization | No | Height Ungra | Height Graze | % Utilization |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4.5 | 51 | 16 | | 5.0 | 45 | 31 | | 3.5 | 58 | 46 | | 6.0 | 40 |
| 2 | | 4.0 | 55 | 17 | | 1.0 | 86 | 32 | 19.5 | | 0 | 47 | | 1.0 | 86 |
| 3 | | 4.0 | 55 | 18 | | 3.5 | 58 | 33 | | 6.5 | 36 | 48 | | 5.0 | 45 |
| 4 | | 3.5 | 58 | 19 | | 1.5 | 78 | 34 | | 1.5 | 78 | 49 | 18.0 | | 0 |
| 5 | | 3.0 | 61 | 20 | | 1.5 | 78 | 35 | | 2.5 | 66 | 50 | | 2.5 | 66 |
| 6 | | 4.0 | 55 | 21 | | 2.5 | 66 | 36 | | 2.0 | 72 | 51 | | 5.0 | 45 |
| 7 | | 4.5 | 51 | 22 | | 2.5 | 66 | 37 | | 3.5 | 58 | 52 | | 2.5 | 66 |
| 8 | | 1.5 | 78 | 23 | | 2.0 | 72 | 38 | | 1.5 | 78 | 53 | | 3.0 | 61 |
| 9 | | 2.0 | 72 | 24 | | 1.5 | 78 | 39 | | 3.5 | 58 | 54 | | 4.5 | 51 |
| 10 | | 1.5 | 78 | 25 | | 2.5 | 66 | 40 | | 14.5 | 8 | 55 | | 4.0 | 55 |
| 11 | | 2.0 | 72 | 26 | | 4.0 | 55 | 41 | | 2.5 | 66 | 56 | | 2.5 | 66 |
| 12 | 25.0 | | 0 | 27 | | 3.0 | 61 | 42 | | 2.0 | 72 | 57 | | 2.0 | 72 |
| 13 | | 1.0 | 86 | 28 | | 4.0 | 55 | 43 | | 2.0 | 72 | 58 | | 2.0 | 72 |
| 14 | | 3.0 | 61 | 29 | | 3.0 | 61 | 44 | | 2.5 | 66 | 59 | | 4.5 | 51 |
| 15 | | 2.0 | 72 | 30 | | 3.0 | 61 | 45 | | 3.0 | 61 | 60 | | 3.0 | 61 |

| Number of Ungraz. Plants | | Total Height of Ungraz. Plants | | Number of Sampled Plants | | Total % Util. for All Sampled Plants | |
|---|---|---|---|---|---|---|---|

Total Height of Ungrazed Plants / Number of Ungrazed Plants = Average Ungrazed Plant Height _____ = 19.4

Total Percent Utilization / Number of Sampled Plants = Average Utilization _____ = 60%

Notes (use other side or another page, if necessary)

10.5, 13.5, 16.5, 19, 18, 20.5, 23, 18, 18.5, 25.5, 25, 19.5, 25.5, 21, 15.0 18,

Illustration 12

# Height-Weight

| Study Number | Date | Examiner |
|---|---|---|
| | | |

| Allotment Name & Number | Pasture |
|---|---|
| | |
| **Kind and/or Class of Animal** | **Period of Use** |
| | |

| Key Species | Culm | | Culmless | |
|---|---|---|---|---|

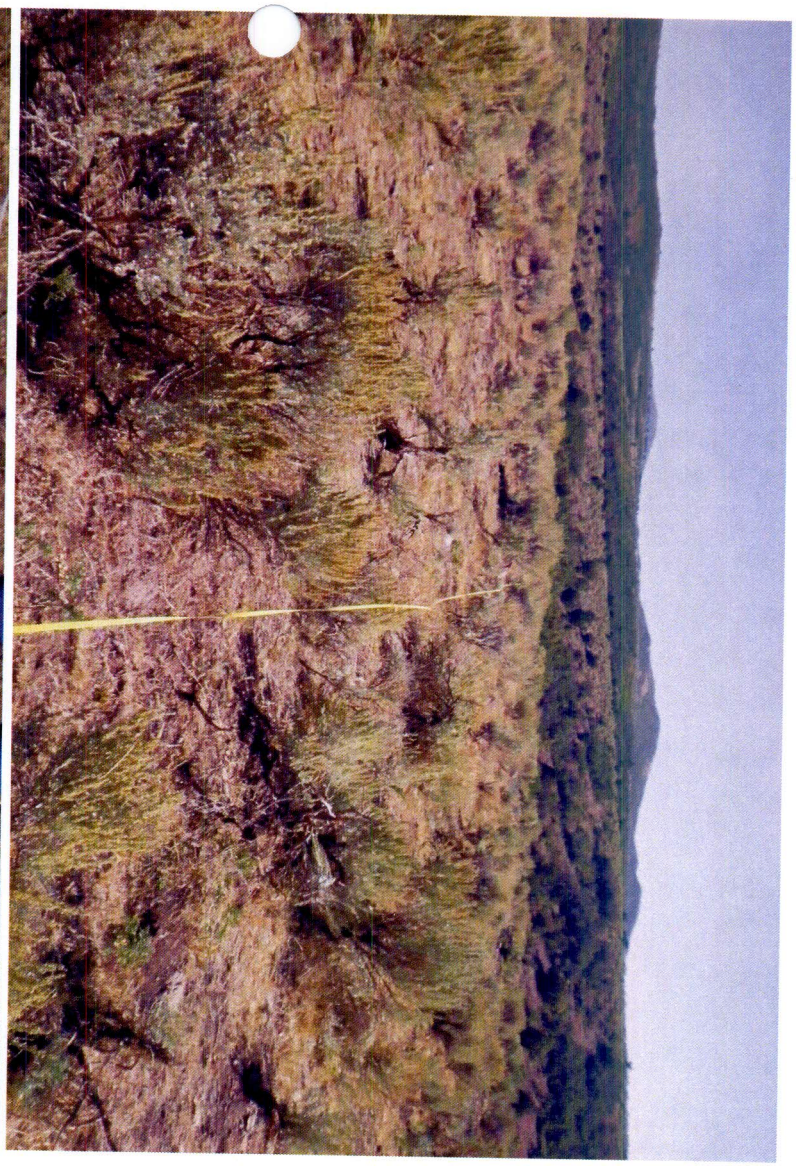
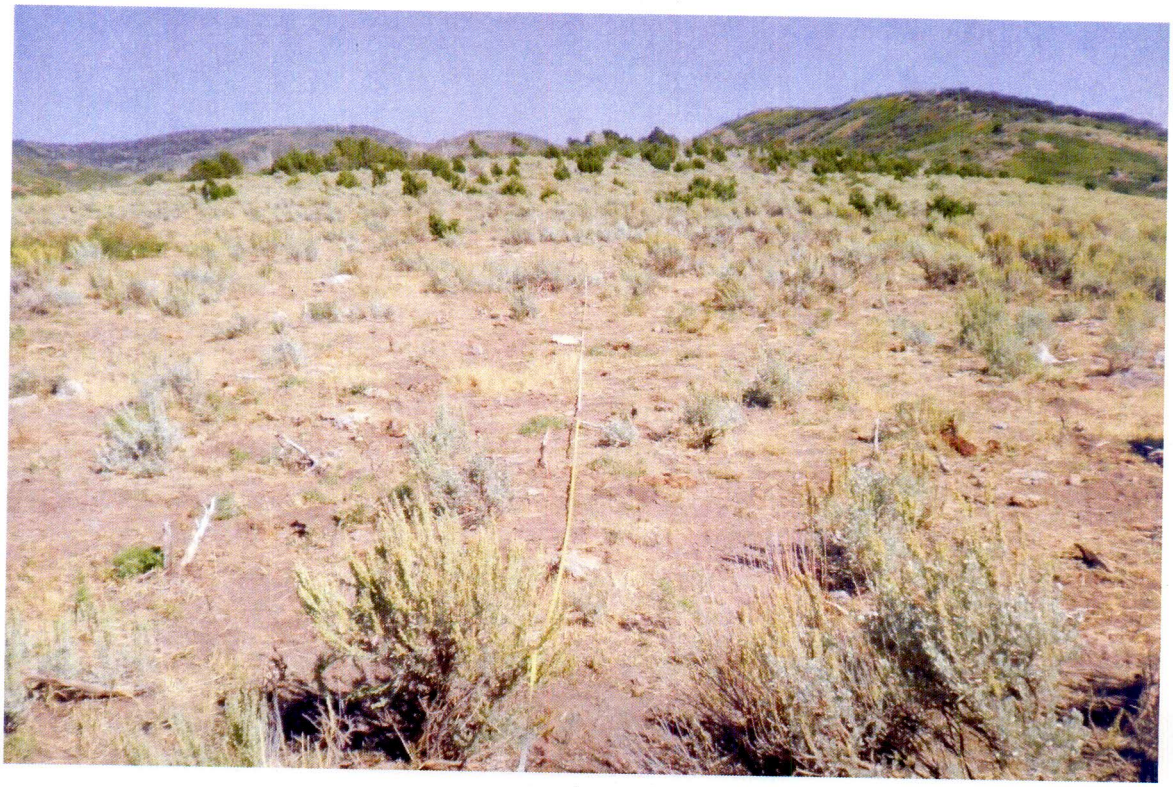
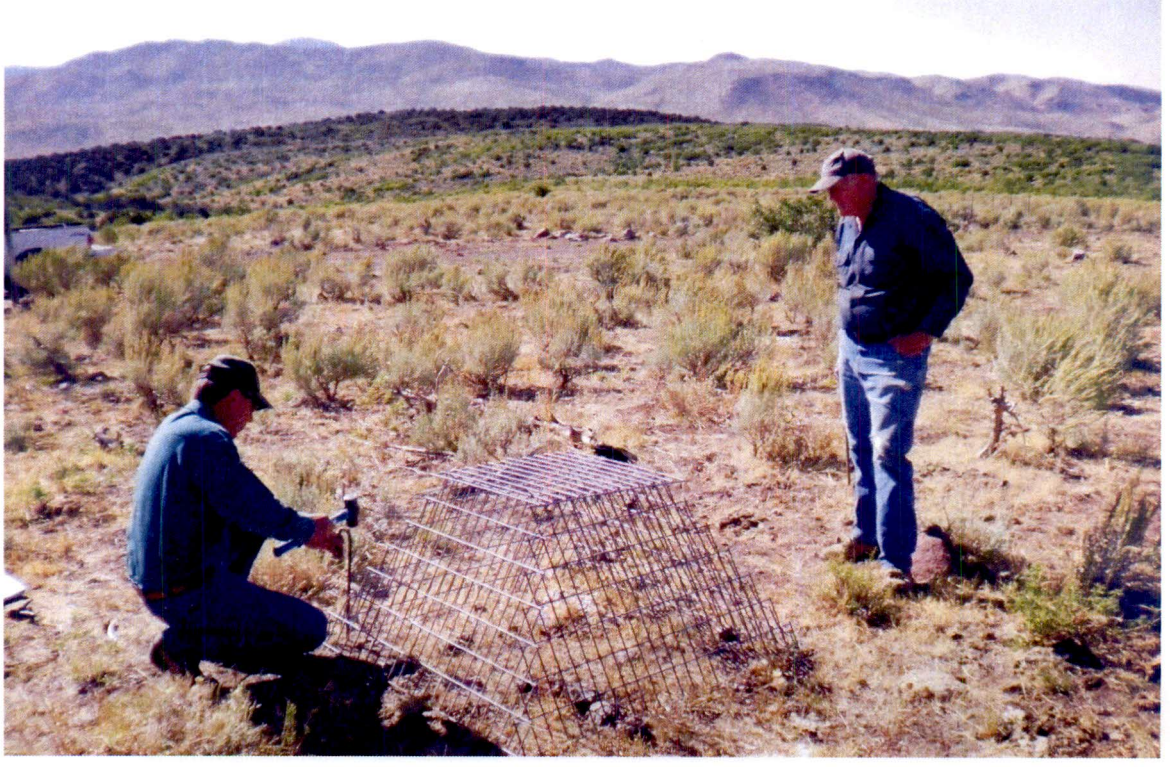
| No | Height | | % Utilization | No | Height | | % Utilization | No | Height | | % Utilization | No | Height | | % Utilization |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ungra | Graze | | | Ungra | Graze | | | Ungra | Graze | | | Ungra | Graze | |
| 1 | | | | 16 | | | | 31 | | | | 46 | | | |
| 2 | | | | 17 | | | | 32 | | | | 47 | | | |
| 3 | | | | 18 | | | | 33 | | | | 48 | | | |
| 4 | | | | 19 | | | | 34 | | | | 49 | | | |
| 5 | | | | 20 | | | | 35 | | | | 50 | | | |
| 6 | | | | 21 | | | | 36 | | | | 51 | | | |
| 7 | | | | 22 | | | | 37 | | | | 52 | | | |
| 8 | | | | 23 | | | | 38 | | | | 53 | | | |
| 9 | | | | 24 | | | | 39 | | | | 54 | | | |
| 10 | | | | 25 | | | | 40 | | | | 55 | | | |
| 11 | | | | 26 | | | | 41 | | | | 56 | | | |
| 12 | | | | 27 | | | | 42 | | | | 57 | | | |
| 13 | | | | 28 | | | | 43 | | | | 58 | | | |
| 14 | | | | 29 | | | | 44 | | | | 59 | | | |
| 15 | | | | 30 | | | | 45 | | | | 60 | | | |

| Number of Ungraz. Plants | | Total Height of Ungraz. Plants | | Number of Sampled Plants | | Total % Util. for All Sampled Plants | |
|---|---|---|---|---|---|---|---|

$$\frac{\text{Total Height of Ungrazed Plants}}{\text{Number of Ungrazed Plants}} = \text{Average Ungrazed Plant Height} \qquad _____ =$$

$$\frac{\text{Total Percent Utilization}}{\text{Number of Sampled Plants}} = \text{Average Utilization} \qquad _____ =$$

Notes (use other side or another page, if necessary)

Illustration 12

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