

Determination of Public Land (Rangeland) Health for 64065 TROY FLOYD

The Record of Decision (ROD) for the New Mexico Standards for Public Land Health and Guidelines for Livestock Grazing Management (dated January 2001) adopted three Standards for Public Land Health. These are (1) Upland Sites Standard, (2) Biotic Communities, Including Native, Threatened, Endangered, and Special Status Species Standard and (3) Riparian Sites Standard.

The ROD also established a process for the BLM Field Offices for the implementation. Through a public participation process, the Roswell Field Office developed and adopted indicators to use in conjunction with existing monitoring data to assess these standards.

Field assessment worksheets and other available data that evaluate the local indicators were completed for this allotment. Based on the assessments, it is my determination that the public land within the Troy Floyd allotment #64065 meets the Upland Sites standard and (2) Biotic Communities, including Native, Threatened, Endangered, and Special Status Species standard. There are no public land Riparian areas on this allotment, therefore this standard was not addressed.

/s/ T. R. KREAGER
Assistant Field Manager

09/29/2004
Date

Standards of Public Land Health Evaluation of 64065 TROY FLOYD Allotment [07/29/2004]

The Roswell Field Office conducted rangeland health assessments at two (2) study sites within the Troy Floyd allotment #64065. The assessments looked at the Soil/Site Stability, Hydrologic Function and Biotic Integrity indicators within the vicinity of each study site. Existing monitoring data was incorporated into and in support of the field assessment. The summary of each assessment is attached and shown in the following table.

Study Area or Assessment Area	UPLAND			BIOTIC			RIPARIAN		
	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet
64065-N DIVIDE-F246	X			X			N/A		
64065-SW DIVIDE-F245	X			X			N/A		

Twenty-two (22) indicators for Rangeland Health were evaluated for the public land on the Troy Floyd allotment #64065. Ten (10) of these assessed soil site stability, 11 hydrologic function and 13 biotic integrity. These qualitative assessments in conjunction with quantitative information gathered from previous data collected on 2 trend plot study site locations within the allotment were utilized to make rangeland health determinations. Quantitative evaluations are performed by the Roswell Field Office and include some or all of the following: ground and vegetative cover and composition, production, frequency, occurrence and ecological condition. These collections which were initiated in the late 1970's/early 1980's are scheduled and conducted approximately every 5 years.

The first study site assessed is in North Divide Pasture. It is a CP-4 Limestone Hills ecological site encompassing 2,955 acres/1343 hectares. The soil phase is (EcD)-Ector-Rock outcrop complex with 9-30 percent slopes. This complex occurs on the limestone hills in the western and southwestern part of the survey area. No livestock are currently utilizing this pasture. The majority of indicators assessed rated None to Slight to Slight to Moderate. Indicators of concern are discussed below. The area is characterized by rock and cobblestone which makes up most of the ground cover. Rock cover over the long-term has consistently averaged approximately 50% with the remainder bareground, litter and vegetation. Currently the rock and cobblestone is estimated at 80-90% at the immediate vicinity of the site. Reduced rock cover can be observed distally from the trend plot location. An ESD reading of 10-18% bareground matches what is currently estimated. Therefore this indicator rates Slight to Moderate. Water flow patterns are mostly interrupted by the cobble and stone. Smaller rock, cobble and gravel is enabling

the soil to retain its water holding capacity. Most of the functional/structural groups are present onsite with only slight deviations and the relative dominance of species is only slightly reduced. Grasses like hairy grama (*Bouteloua hirsuta*), wolftail (*Lycurus phleoides*), hairy tridens (*Tridens muticus*) and threeawn (*Aristida* spp.) can be observed along with sacahuista (*Nolina microcarpa*), skunkbush (*Rhus* spp.), acacia (*Acacia* spp.) and cholla (*Opuntia spinosa*). A favorable forb component is present also as croton (*Croton* spp.) and buckwheat (*Eriogonum wrightii*) are in abundance. The current vegetation with seed head and tiller formation is indicative of the late spring and recent precipitation events in mid-summer. Annual production rates Moderate with 50% of potential at approximate estimations of 200-250 lbs/ac or kg/ha from the past year's growing season. Invasive plants rates Moderate with cholla scattered and potentially taking over more of the site especially in the drainages where favorable soil and moisture exists. Physical crusts are evident but the rock and cobblestone cover break up most of it's continuity. This indicator rates Slight to Moderate. All others indicators fall within the normal range of variability taking into account the recent dry conditions and current land use, with only minor degrees of departure.

The SW Divide Pasture is classified as SD-3 Shallow with an Upton-Atoka (UA) soil association on slopes 0-5 percent on uplands west of the Pecos River. This ecological site is approximately 4,601 acres/2091 hectares. As per conversation with the allottee, the pasture is being grazed at a conservative rate with 15-20 head of livestock and distribution scattered throughout. The litter component is now estimated at 15-20% and is augmenting the water holding capacity and infiltration rates along with rock, gravel and pebble cover. There are a few areas where water flow has piled some litter up against obstructions but not sufficient enough to warrant concern. The indicators of concern however are annual production and invasive plants. Annual production rates Moderate as the past year's growth was estimated at 200-250 lbs/ac or kg/ha. Again the current growth is the result of the recent and late spring rainfall. However most all plants observed whether grass, shrub or forb, displayed vigorous growth and reproductive capability either by stolon/tiller formation or seed head production. Black grama (*Bouteloua eriopoda*), wolftail, threeawn, tobosa (*Pleuraphis mutica*), blue grama (*Bouteloua gracilis*), sprangletop (*Leptochloa dubia*) and tridens were observed healthy and reproducing. Plant diversity in this pasture is very high. The shrub and forb component appears to be in favorable composition along with perennial grass. Cholla remains scattered throughout however and gives the invasive plants indicator a Moderate rating. All other indicators rated None to Slight to Slight to Moderate and fall within the normal range of variability.

Hydrology - Pasture N Divide - The rills, water flow patterns, pedestals and/or terracettes, bareground, gullies, wind scoured, blowouts, and or deposition areas, litter movement, soil surface resistance to erosion, soil surface loss or degradation, plant community composition and distribution relative to infiltration and runoff, compaction layer, litter amount, and physical/chemical/biological crust indicators have rated as none to slight or slight to moderate. Limestone deposits of the San Andres Formation outcrop in the area.

Pasture SW Divide - The rills, water flow patterns, pedestals and/or terracettes, bareground, gullies, wind-scoured, blowouts, and or deposition areas, litter movement, soil surface resistance to erosion, soil surface loss or degradation, plant community composition and distribution relative to infiltration and runoff, compaction layer, litter amount, and physical/chemical/biological crust indicators have rated as none to slight or slight to moderate. Limestone deposits of the San Andres Formation outcrop in the area.

Wildlife/Biotic - Evaluation of the integrity of the biotic community considered several indicators as attribute indices for the areas of interest. Biotic indicators are interrelated with several others, including soil/site stability, hydrologic function, and vegetation. Several indicators are singularly biotic and address the vegetational aspect of the ecological site, such as structural/functional groups and plant mortality and decadence as described above. In addition to the standard worksheet there are four specific wildlife indicators and descriptors that are included in this evaluation.

Specifically annual production and invasive plants in both the North Divide and Southwest pastures are of some concern for the wildlife and biotic standard as these indicators rated Moderate. However, considering the extreme drought conditions, these indicators would be expected to fall within the normal range of variability with moderate departure. All of these indicators will rebound over time with adequate but timely precipitation patterns along with proper grazing management in line with current vegetation production levels.

It is the professional opinion of the Assessment Team that the public land within the Troy Floyd allotment meets the Upland and Biotic standards. There are no public land Riparian issues present, therefore this standard was not addressed. See site notes and recommendations for further information regarding the assessments on these ecological sites.

Recommendations: Current livestock management practices should continue on this allotment. Continued conservative use will help the public land within this allotment improve in productivity and rangeland health. Muledeer (*Odocoileus hemionus*) inhabit the allotment and use the browse for food and cover. Current land use includes public land hunting and other recreational opportunities as the norm.

Possible brush treatment in the future for cholla eradication is recommended particularly if this plant encroaches further and it appears headed in that direction. More recent monitoring should give a better prescription for brush treatment. Continued regular data collections will assist in making this and other management decisions. At present the allotment as a whole is running 17-18% of capacity taking into account the private land as well. Suggestions have been made to separate the public from the private on this allotment and actually fence off the two areas and manage both separately. From a management standpoint, this may be almost logistically impossible from both the allottee's and BLM's perspective.

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 64065-N DIVIDE-F246

Legal Land Desc	NWSW 17 0120S 0210E Meridian 23	Acreage	2955
Ecosite	070DY151NM LIMESTONE HILLS CP	Photo Taken	Y
Watershed	13060008090 HONDO		
Observers	NAVARRO/MCGEE	Observation Date	07/29/2004
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad	
Soil Map Unit	EcD	Soil Taxon Name	ECTOR
Texture Class	NM666 CB-L	Soil Phase	ECTOR-ROC
Texture Modifier	NM666 COBBLY LOAM		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation	6.32	NOAA Growing Season Precipitation	4.24
NOAA Avg Annual Precipitation	11.68	NOAA Avg Growing Season Precipitation	9.61
Disturbances and Animal Use:	Muledeer (<i>Odocoileus hemionus</i>) are the only animals using this pasture at the moment. Livestock are currently not utilizing this area. Hunter camps are numerous throughout the area as evidenced by old campsites. The area has been frequented and will be frequented by hunters during the upcoming hunting season in the fall and winter.		

Part 2. Attributes and Indicators

Attribute	Indicators	Departure from Ecological Site Description/Ecological Reference Areas				
		Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	

Comments :						
S H	Pedestals and/or Terracettes					X
Comments :						
S H	Bare Ground				X	
Comments :	Bareground estimates now at 10-20% in places. Falls within expected range. Rock and cobble make up most of the ground cover estimates now at 80%. For a cobbly stone site, ESD indicates 15-20% rock cover with 10-18% bareground..					
S H	Gullies					X
Comments :						
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments :	N/A					
H	Litter Movement				X	
Comments :	Some displacement.					
S H B	Soil Surface Resistance to Erosion				X	
Comments :						
S H B	Soil Surface Loss or Degradation				X	
Comments :						
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff					X
Comments :	Virtually no runoff can be observed. Rock and gravel cover is holding moisture so it has sufficient opportunity to infiltrate into the soil.					
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups				X	
Comments :	Only slight modifications.					

B	Plant Mortality/Decadence					X
Comments :						
H B	Litter Amount				X	
Comments :	10% falls within the expected range.					
B	Annual Production			X		
Comments :	What is currently estimated is 50-60% of the long-term average.					
B	Invasive Plants			X		
Comments :	Cholla scattered.					
B	Reproductive Capability of Perennial Plants					X
Comments :	Plenty of seed and stolon formation.					
S	Physical/Chemical/Biological Crusts				X	
Comments :	Largely intact with some breaks in continuity.					
B	Wildlife Habitat				X	
Comments :						
B	Wildlife Populations				X	
Comments :						
B	Special Status Species Habitat					X
Comments :	None known to occur.					
B	Special Status Species Populations					X
Comments :	None known to occur.					
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	5	5
H	Hydrologic	0	0	0	6	5
B	Biotic	0	0	2	6	5

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	0	11
Biotic		0	2	11

Site Notes: For a limestone hills site, this area at the present possesses a diversity of vegetation. Skunkbush, acacia, cholla beargrass and snakeweed are the shrubs present and a variety of grass and forb species. Photos were taken and allottee accompanied the Assessment Team on this evaluation. No livestock are utilizing this pasture at present. Production is down, but indications are that this is more drought influenced than any other factor.

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 64065-SW DIVIDE-F245

Legal Land Desc	NENW 30 0120S 0210E Meridian 23	Acreage	4601
Ecosite	042CY025NM SHALLOW SD-3	Photo Taken	Y
Watershed	13060009030 TWIN BUTTE		
Observers	NAVARRO/MCGEE	Observation Date	07/29/2004
County Soil Survey	NM666 CHAVES SOUTH	Soil Var/Taxad	
Soil Map Unit	UA	Soil Taxon Name	UPTON
Texture Class	NM666 GR-L	Soil Phase	UPTON- ATOKA
Texture Modifier	NM666 GRAVELLY LOAM		
Observed Avg Annual Precipitation		Observed Avg Growing Season Precipitation	
NOAA Annual Precipitation	6.32	NOAA Growing Season Precipitation	4.24
NOAA Avg Annual Precipitation	11.68	NOAA Avg Growing Season Precipitation	9.61
Disturbances and Animal Use:			

Part 2. Attributes and Indicators

Attribute	Indicators	Departure from Ecological Site Description/Ecological Reference Areas				
		Extrem e	Moderat e to Extreme	Moderat e	Slight to Moderat e	None to Slight
S H	Rills					X
Comments :						
S H	Water Flow Patterns				X	
Comments :						
S H	Pedestals and/or Terracettes				X	

Comments :	Occasional terracettes present.					
S H	Bare Ground				X	
Comments :	Falls within the expected range of 50% and long-term average.					
S H	Gullies					X
Comments :	N/A					
S	Wind-scoured, Blowouts, and/or Deposition Areas					X
Comments :						
H	Litter Movement				X	
Comments :	Some displacement.					
S H B	Soil Surface Resistance to Erosion				X	
Comments :	Slight reduction in interspace samples. Physical crusts are holding the soil in place. More organic matter is evident here.					
S H B	Soil Surface Loss or Degradation				X	
Comments :	Pebbles and rocks on soil surface.					
H	Plant Community Composition and Distribution Relative to Infiltration and Runoff					X
Comments :						
S H B	Compaction Layer					X
Comments :						
B	Functional/Structural Groups				X	
Comments :	Only slight modifications.					
B	Plant Mortality/Decadence					X
Comments :						
H B	Litter Amount					X

Comments :	There is more litter here than expected.					
B	Annual Production			X		
Comments :	About 200-250 lbs/ac or kg/ha is the ocular estimate.					
B	Invasive Plants			X		
Comments :	Cholla scattered.					
B	Reproductive Capability of Perennial Plants				X	
Comments :	Only slight limitations exist. Most plants are sending out leaders or forming seed heads.					
S	Physical/Chemical/Biological Crusts				X	
Comments :						
B	Wildlife Habitat				X	
Comments :						
B	Wildlife Populations				X	
Comments :						
B	Special Status Species Habitat					X
Comments :	None known to occur.					
B	Special Status Species Populations					X
Comments :	None known to occur.					
Part 3. Summary						
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.						
Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight

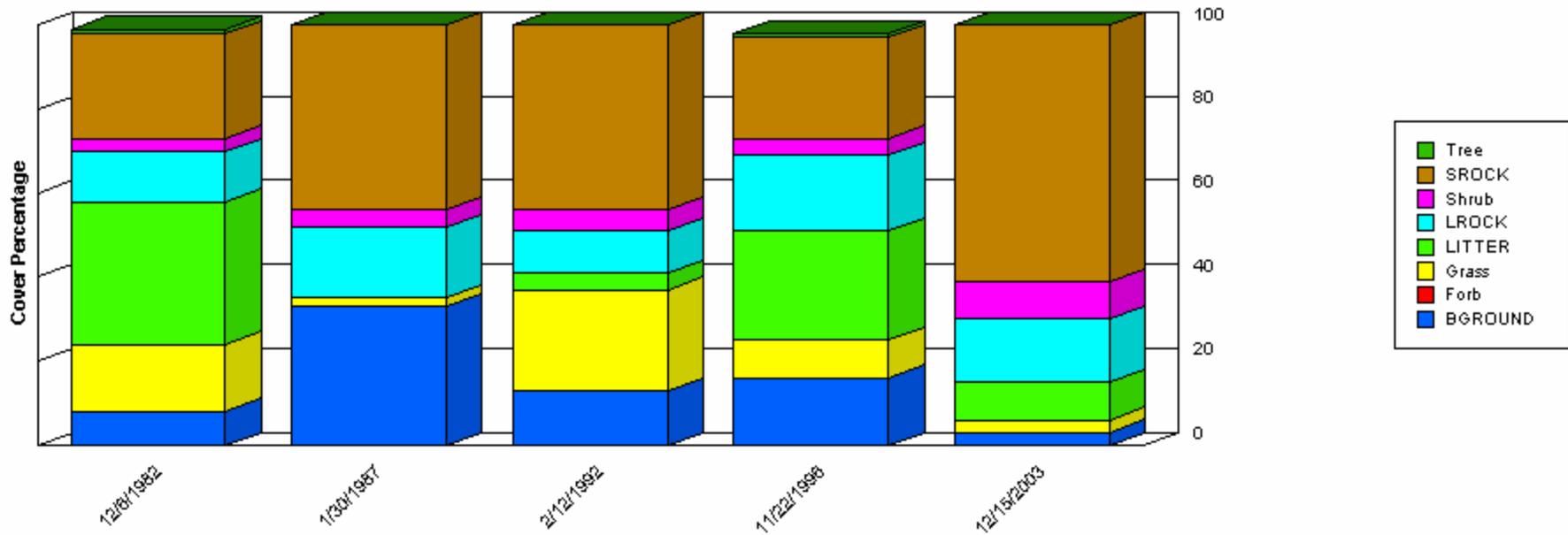
S	Soil	0	0	0	6	4
H	Hydrologic	0	0	0	6	5
B	Biotic	0	0	2	6	5

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	0	11
Biotic		0	2	11

Site Notes: As per conversation with allottee, 15-20 head of livestock are in this pasture at present. Very conservative use is what the allottee is doing now. Allottee was present at the time of evaluation with active participation. There is an abundance of plant diversity at this site with shrubs, forb and grass species all flourishing. Photos were taken by allottee as well.

Ground Cover Trends



	12/6/1982	1/30/1987	2/12/1992	11/22/1996	12/15/2003
BGROUND	8.00	33.00	13.00	16.00	3.00
Forb	0.00	0.00	0.00	0.00	0.00
Grass	16.00	2.00	24.00	9.00	3.00
LITTER	34.00	0.00	4.00	26.00	9.00
LROCK	12.00	17.00	10.00	18.00	15.00
Shrub	3.00	4.00	5.00	4.00	9.00
SROCK	25.00	44.00	44.00	24.00	61.00

	12/6/1982	1/30/1987	2/12/1992	11/22/1996	12/15/2003
Tree	1.00	0.00	0.00	1.00	0.00
Total	99.00	100.00	100.00	98.00	100.00

Report Parameters

SITE NAME LIKE 64065-N DIVIDE-F246
ON/AFTER 10/01/1982
ON/BEFORE 09/30/2004

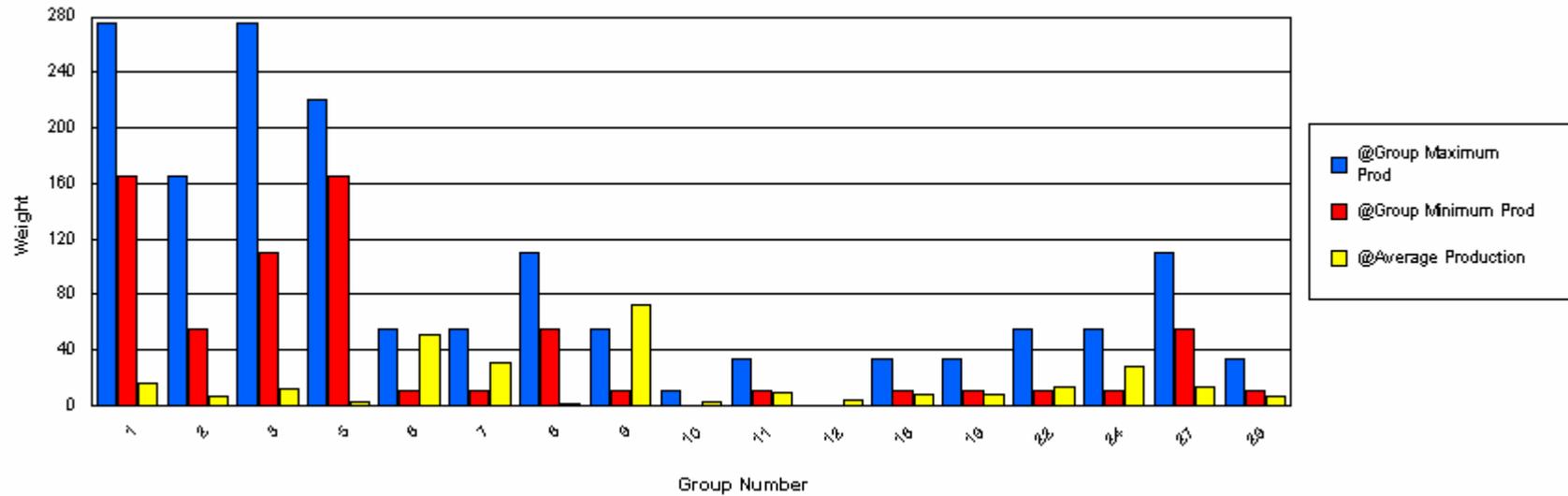
Functional / Structural Groups

Report Parameters

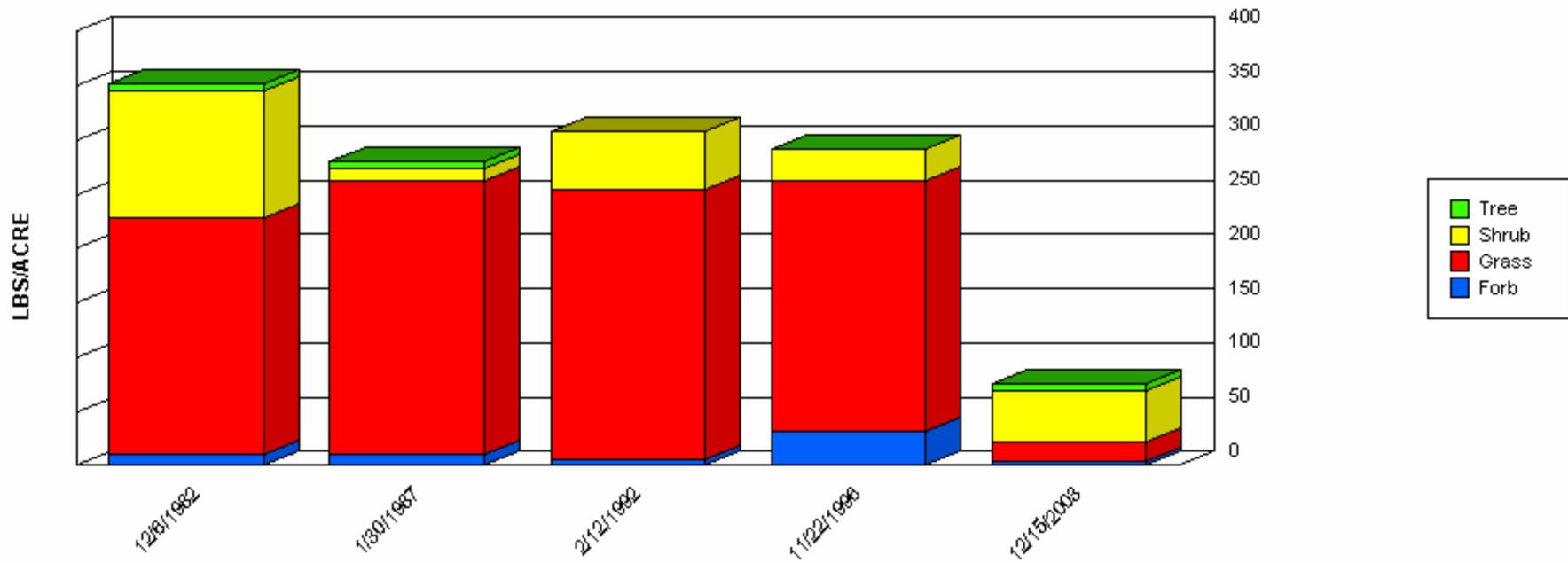
SITE NAME LIKE 64065-N DIVIDE-F246
 ON/AFTER 10/01/1982
 ON/BEFORE 09/30/2004
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 070DY151NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	BOCU	165	275	0.00	52.57	15.47	19.45
2	Grass	BOGR2	55	165	0.00	23.33	7.00	9.53
3	Grass	BOER4	110	275	3.00	36.08	12.01	12.50
5	Grass	MUME	165	220	0.00	6.53	2.18	3.08
5	Grass	MUSE	165	220	0.00	3.56	0.89	1.54
6	Grass	ARIST	11	55	0.00	116.29	50.48	43.45
7	Grass	SPCR	11	55	0.00	8.95	4.04	3.28
7	Grass	TRMU	11	55	1.52	10.27	5.05	3.39
7	Grass	TRPI2	11	55	0.00	51.93	21.42	19.52
8	Grass	LEDU	55	110	0.00	2.48	1.24	1.24
9	Grass	BOHI2	11	55	0.59	40.00	18.67	15.55
9	Grass	BOSA	11	55	0.00	4.16	2.08	2.08
9	Grass	LYPH	11	55	0.29	63.00	38.20	21.19
9	Grass	MUWR	11	55	0.00	1.19	0.59	0.59
9	Grass	PAHA	11	55	0.00	12.00	3.82	4.31
9	Grass	SIHY	11	55	0.00	25.76	8.59	12.14
10	Grass	AAGG	0	11	0.00	4.96	2.48	2.48
11	Grass	CHVE2	11	33	0.00	0.96	0.32	0.45
11	Grass	ENDE	11	33	0.00	12.47	6.23	6.23
11	Grass	MUAR2	11	33	0.00	8.00	2.76	3.15
12	Grass	ERPU8	0	0	0.00	8.80	4.40	4.40
17	Shrub	SELO3	11	55	0.00	2.04	0.51	0.88
18	Forb	AAFF	11	33	0.00	14.05	6.69	5.52
18	Forb	DYPE	11	33	0.00	3.08	1.54	1.54
18	Forb	PARON	11	33	0.00	1.77	0.44	0.77
19	Forb	BELY	11	33	0.00	2.19	0.55	0.95

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
19	Forb	CHCO	11	33	0.00	2.03	0.51	0.88
19	Forb	CROTO	11	33	0.00	7.08	2.17	2.54
19	Forb	LESQU	11	33	0.00	0.35	0.18	0.18
19	Forb	MELE2	11	33	0.00	2.64	0.66	1.14
19	Forb	PPFF	11	33	0.49	5.88	3.19	2.70
19	Forb	SOEL	11	33	0.00	0.88	0.44	0.44
22	Shrub	NOLIN	11	55	0.00	30.00	11.72	11.11
22	Shrub	NOMI	11	55	0.00	8.80	2.20	3.81
24	Shrub	GUSA2	11	55	2.43	60.48	27.80	21.02
27	Shrub	EULA5	55	110	0.00	2.07	1.03	1.03
27	Shrub	OPUNT	55	110	0.00	45.50	12.04	19.35
29	Shrub	ACACI	11	33	0.00	4.00	2.00	2.00
29	Tree	ACGR	11	33	0.00	7.93	4.92	2.98



Production Lbs/Acre Trends

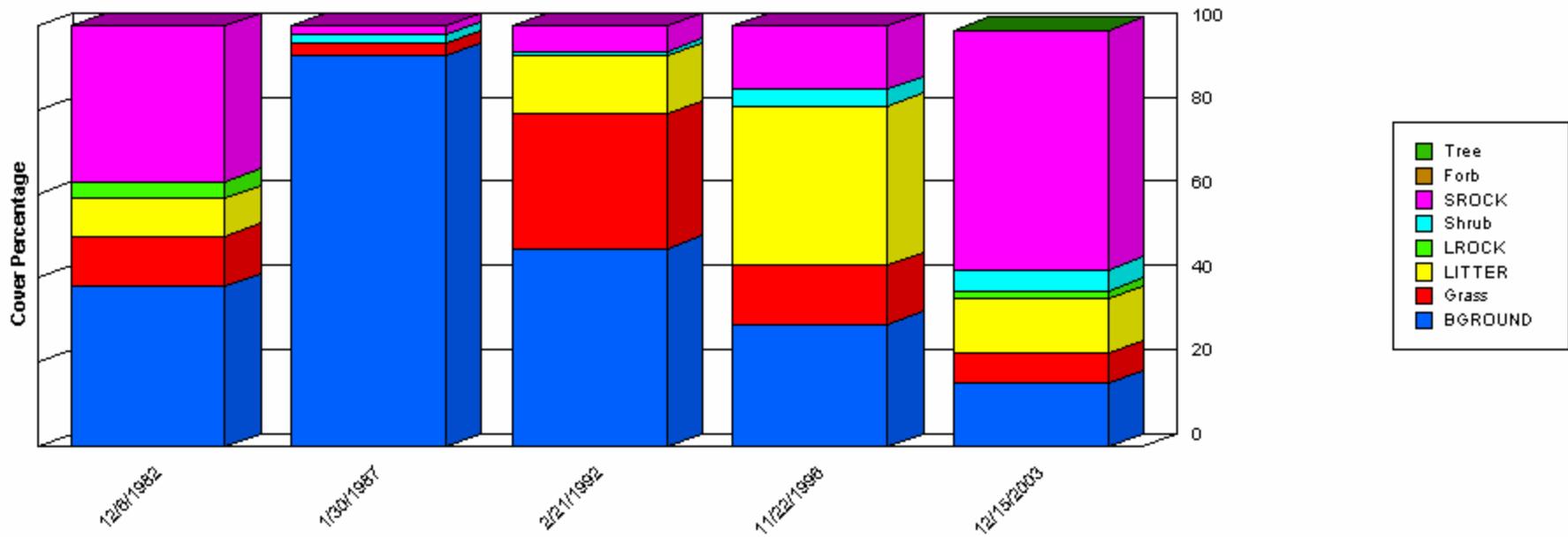


	12/6/1982	1/30/1987	2/12/1992	11/22/1996	12/15/2003
Forb	10.00	10.00	5.00	31.00	3.36
Grass	219.00	252.00	249.00	231.00	17.98
Shrub	117.00	11.00	54.00	29.00	47.87
Tree	5.00	8.00	0.00	0.00	6.33
Total	351.00	281.00	308.00	291.00	75.54

Report Parameters

SITE NAME LIKE 64065-N DIVIDE-F246
 ON/AFTER 10/01/1982
 ON/BEFORE 09/30/2004

Ground Cover Trends



	12/6/1982	1/30/1987	2/21/1992	11/22/1996	12/15/2003
BGROUND	38.00	93.00	47.00	29.00	15.00
Forb	0.00	0.00	0.00	0.00	0.00
Grass	12.00	3.00	32.00	14.00	7.00
LITTER	9.00	0.00	14.00	38.00	13.00
LROCK	4.00	0.00	0.00	0.00	2.00
Shrub	0.00	2.00	1.00	4.00	5.00
SROCK	37.00	2.00	6.00	15.00	57.00

	12/6/1982	1/30/1987	2/21/1992	11/22/1996	12/15/2003
Tree	0.00	0.00	0.00	0.00	0.00
Total	100.00	100.00	100.00	100.00	99.00

Report Parameters

SITE NAME LIKE 64065-SW DIVIDE-F245
ON/AFTER 10/01/1982
ON/BEFORE 09/30/2004

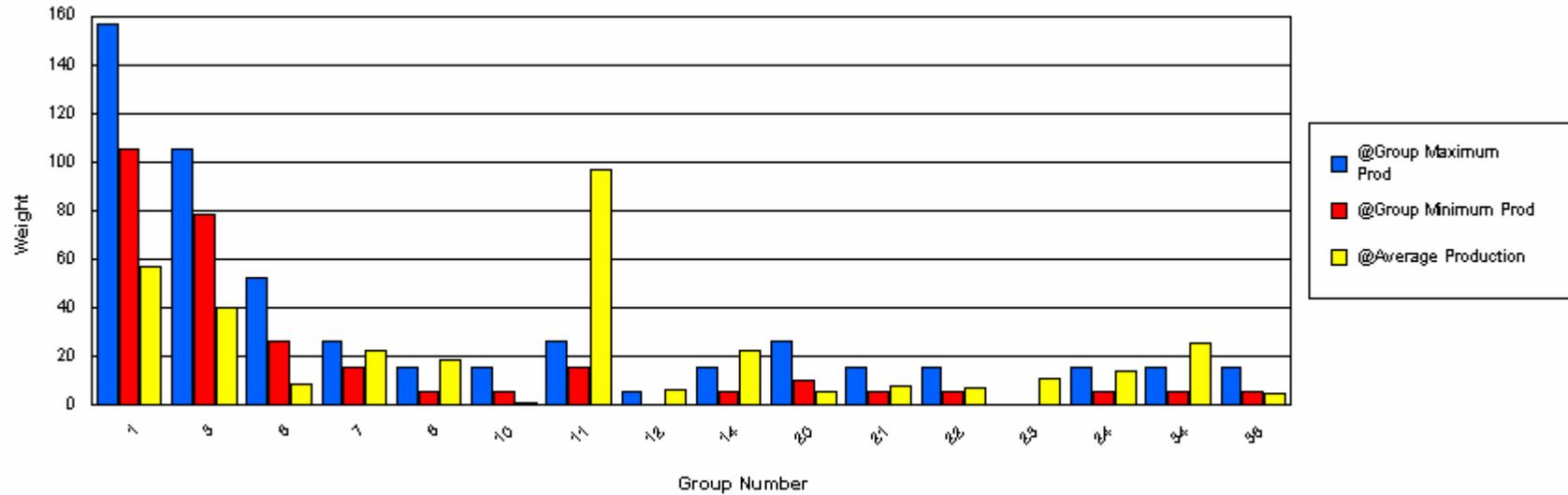
Functional / Structural Groups

Report Parameters

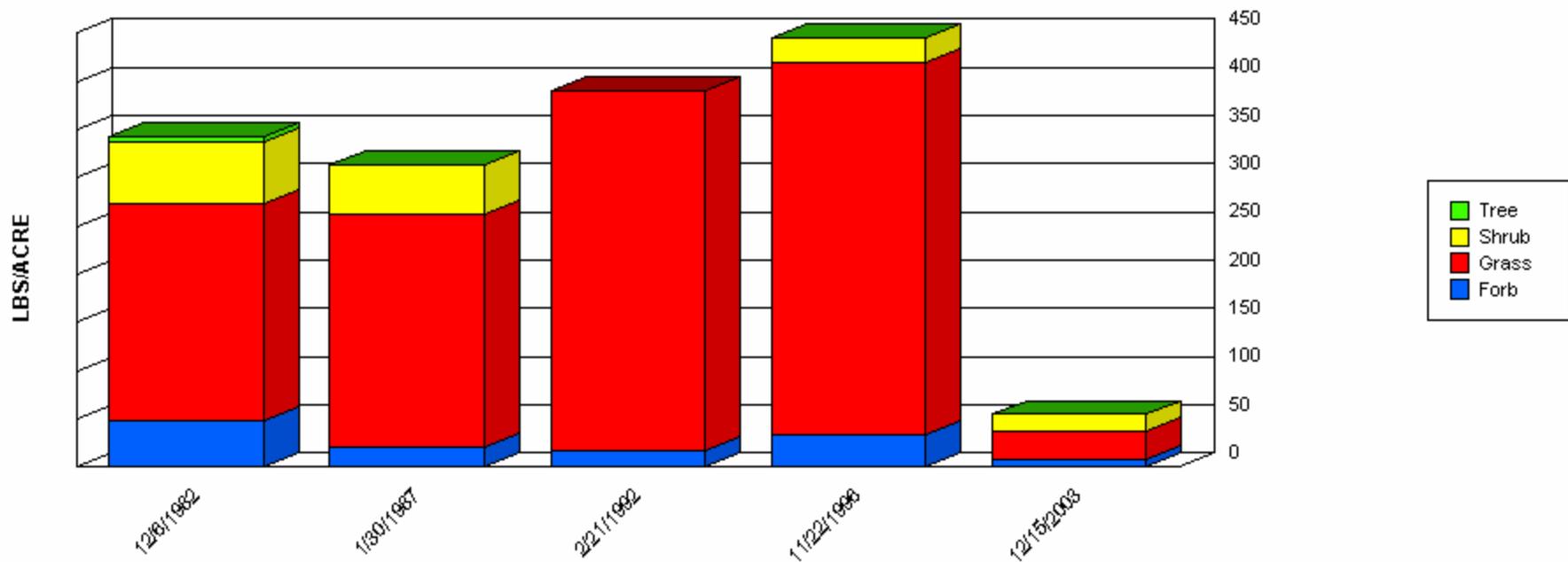
SITE NAME LIKE 64065-SW DIVIDE-F245
 ON/AFTER 10/01/1982
 ON/BEFORE 09/30/2004
 MIN LBS TO GRAPH 1
 SELECTED ECOSITE 042CY025NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	BOER4	105	157	6.80	85.12	56.53	33.13
3	Grass	BOGR2	78	105	4.96	70.93	29.22	28.03
3	Grass	BOHI2	78	105	0.00	36.72	10.57	15.16
6	Grass	SPCR	26	52	0.00	22.65	8.81	8.39
7	Grass	TRMU	15	26	0.61	5.27	3.44	1.94
7	Grass	TRPI2	15	26	0.00	67.77	18.85	28.40
8	Grass	MUAR	5	15	0.00	37.92	18.36	18.37
10	Grass	ERPU8	5	15	0.00	4.00	1.00	1.73
11	Grass	ARIST	15	26	0.00	87.00	44.79	27.57
11	Grass	HIMU2	15	26	7.84	37.72	23.31	12.05
11	Grass	MUAR2	15	26	0.63	45.00	22.17	18.14
11	Grass	PAOB	15	26	0.00	13.76	6.88	6.88
12	Grass	AAGG	0	5	0.00	10.00	6.02	4.33
14	Grass	ENDE	5	15	0.00	5.10	2.55	2.55
14	Grass	ERAGR	5	15	0.00	7.33	2.44	3.46
14	Grass	ERSE2	5	15	0.00	1.28	0.32	0.55
14	Grass	LYPH	5	15	1.15	51.20	16.61	18.27
14	Grass	MUTO2	5	15	0.00	0.67	0.22	0.31
18	Forb	LESQU	5	15	0.00	0.40	0.10	0.17
20	Forb	CROTO	10	26	0.00	12.98	5.23	4.38
21	Forb	AAFF	5	15	0.00	16.74	7.81	6.53
22	Forb	MELE2	5	15	0.00	4.40	1.76	1.87
22	Forb	PPFF	5	15	1.31	9.10	5.20	3.90
22	Forb	SELO	5	15	0.00	0.44	0.22	0.22
23	Forb	CIRSI	0	0	0.00	42.81	10.70	18.54
24	Shrub	RHUS+	5	15	0.00	40.73	13.58	19.20

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
32	Shrub	OPIM	5	15	0.00	0.67	0.33	0.33
32	Shrub	OPUNT	5	15	0.00	0.67	0.27	0.29
34	Shrub	GUSA2	5	15	4.85	63.72	25.60	22.56
36	Shrub	ACACI	5	15	0.00	1.60	0.80	0.80
36	Tree	ACGR	5	15	0.00	3.78	0.95	1.64
36	Shrub	NOLIN	5	15	0.00	5.33	3.00	2.23



Production Lbs/Acre Trends



	12/6/1982	1/30/1987	2/21/1992	11/22/1996	12/15/2003
Forb	49.00	21.00	18.00	33.00	7.22
Grass	225.00	242.00	372.00	386.00	29.93
Shrub	64.00	50.00	0.00	27.00	17.53
Tree	4.00	0.00	0.00	0.00	0.00
Total	342.00	313.00	390.00	446.00	54.68

Report Parameters

SITE NAME LIKE 64065-SW DIVIDE-F245
 ON/AFTER 10/01/1982
 ON/BEFORE 09/30/2004

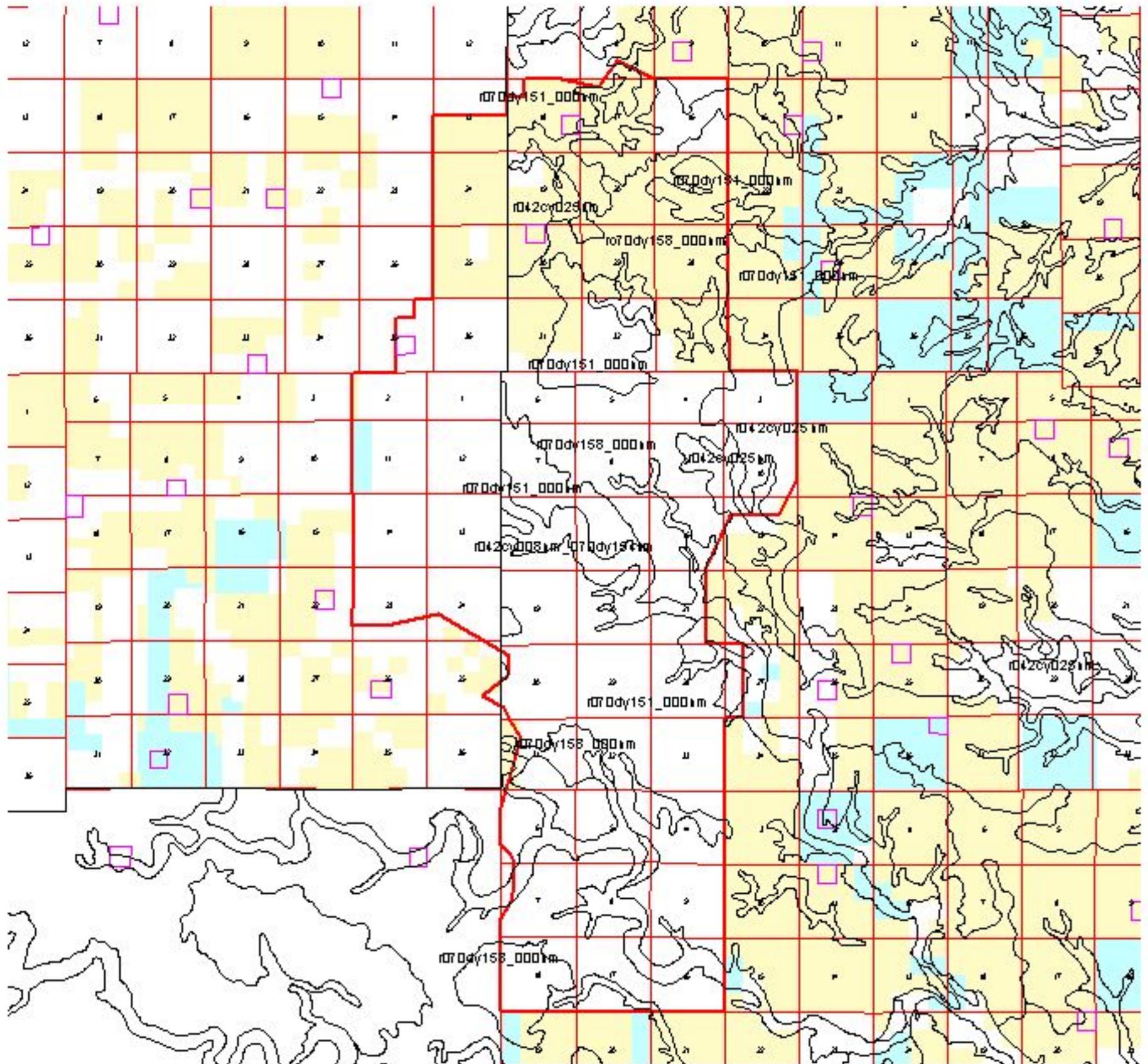


Rangeland Health Assessment Ecological Sites



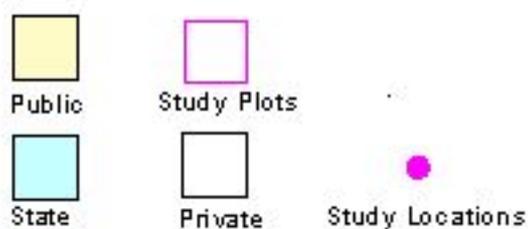
Allotment 64065

T12S.R19E



T14S.R22E

1 0 1 Miles



Produced by the Roswell Field Office
GIS Intern on July 23, 2003.

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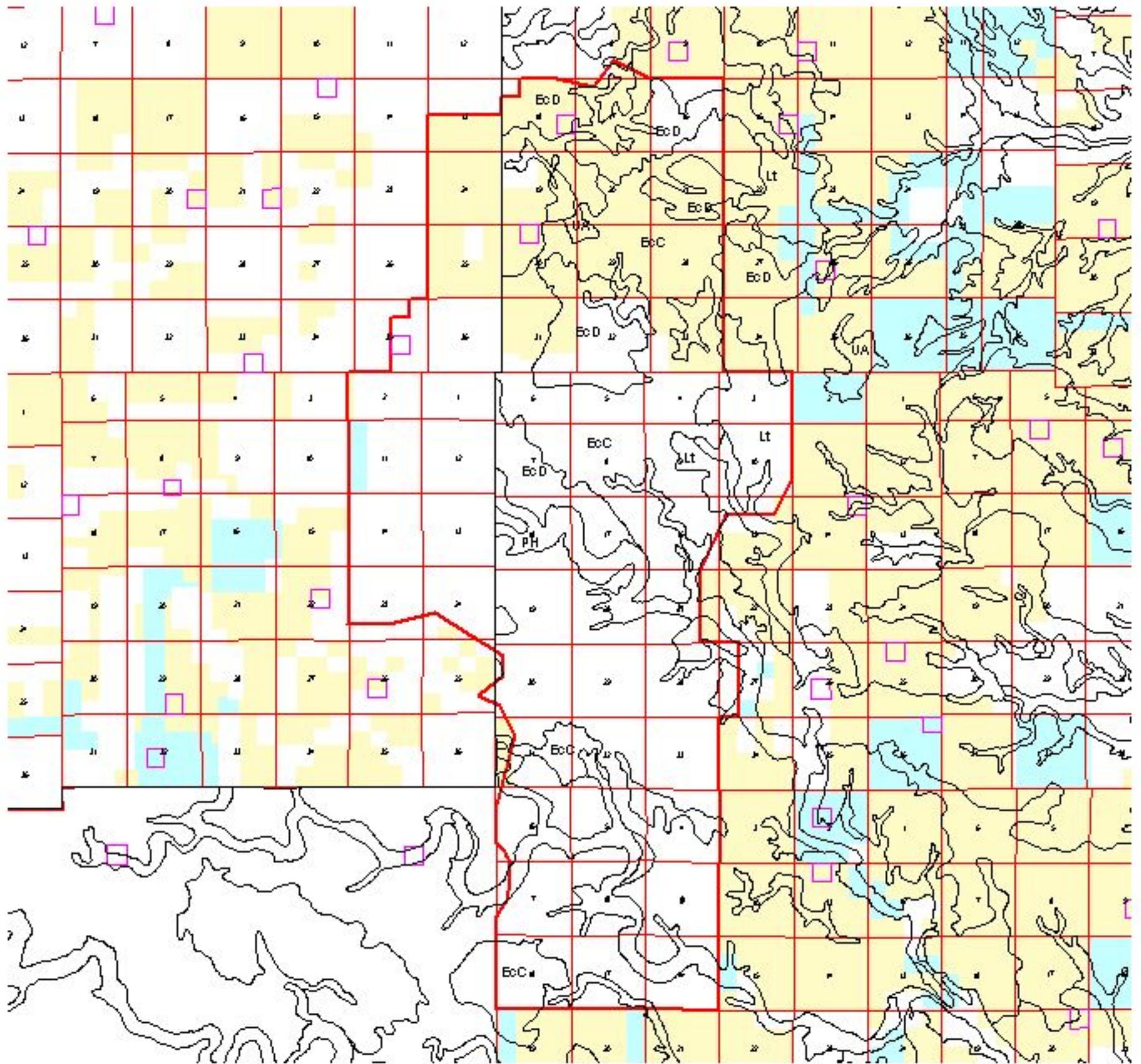


Rangeland Health Assessment Soil Mapping Units



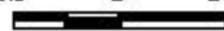
Allotment 64065

T12S.R19E



T14S.R22E

0.9 0 0.9 Miles



Public



Private



State



Study Plots



Study Locations



Pasture Boundary



Soil Mapping Units



Allotment Boundary

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