

Appendix 5.

Community Element Occurrence Records,
and Macroplot Data for Community Occurrences,
for the Beaver Rim ACEC

WYOMING NATURAL DIVERSITY DATABASE
THE NATURE CONSERVANCY

Key to Selected Fields in the Element Occurrence Database

NAME - The scientific name in Latin.

COMNAME - The generally agreed upon common name.

LASTOBS - Date the element was last seen at this location.

GRANK - The global rank assigned by TNC's network of Heritage Programs, based on world-wide distribution and threats. Ranks vary from G1, very rare or greatly threatened, through G5, common and secure.

SRANK - The state rank assigned by each state Heritage Program, based on distribution within the state. Again, these ranks vary from S1, very rare or threatened, through S5, common and secure. These ranks may be different from state to state depending on the range of the taxon in each state.

COUNTYNAME - The county where the occurrence is located. The first 2 letters indicate the state, followed by the first 4 letters of the county. EX: WYALBA = Albany County, Wyoming.

QUADNAME - The name of the USGS 7.5 minute quad.

LAT, LONG - Latitude and longitude of the location if known from mapping procedures.

TOWNRANGE - Legal description of the location of this occurrence, with township given in the first 4 characters (zero for blank characters), and range in the last 4 characters.

SECTION - Legal description of location-section.

MERIDIAN - Meridian upon which legal description is based. For Wyoming, this is the 6th Principal Meridian (6P), except the Wind River Indian Reservation, which is the Wind River Meridian (WR).

TRSCOMM - Comments upon the township, range, and section. Usually, this field contains an indication that more sections are involved or that the township and range may be based on data that is quite old and thus be only an approximate location.

DIRECTIONS - Location of this occurrence related to features on a map, often with access information.

GENDESC - Description of what the area looks like on the ground, the type of substrate, the community where it occurs, etc.

ELEV - Elevation of the location.

SIZE - The size of the occurrence in acres; how large an area this occurrence covers.

EODATA - Information on population size, number of individuals, whether the occurrence is increasing or declining, etc.

COMMENTS - Any other information that is important to this occurrence. Often this field will contain a reference to a museum/herbarium specimen.

MACODE3 - A TNC code for the managing agency if the location is on public land. The middle 6 through 9 characters are the first four letters of the agency's name, e.g. NEWC = Newcastle Resource Area of the BLM, SHOS = Shoshone National Forest; S alone in this field indicates it is state land, probably a school section.

OWNER - If private land, the owner's name if known; otherwise there is an indication that it is private.

OWNERCOMM - Comments about the ownership of the land. There may be an indication that surrounding areas belong to the State of Wyoming or are federal lands.

BESTSOURCE - The best source for information on the site. Quite often it is a person, but could be an article in a journal or a report.

UPDATE - The last date that more information was added to this entire record.

The Wyoming Natural Diversity Database stores information about occurrences of species and communities in an element occurrence database. Records from that database for occurrences of squarestem phlox, limber pine/bluebunch wheatgrass, Douglas fir/snowberry, and Utah juniper/bluebunch wheatgrass communities at Beaver Rim are included herein. A key is included to explain the fields in the element occurrence records. Data for stands of those communities, and for stands of the black sagebrush/bluebunch wheatgrass and Wyoming big sagebrush/bluebunch wheatgrass communities are also included.

These data were collected using TNC's macroplot method, in which an investigator marks out an area in the stand and estimates the cover of each species within that area. The investigator records a cover class value for each species, rather than estimating species cover to the nearest percent. (See Appendix 4 for more details on this method.) In some cases, cover was estimated for the species in each quarter of the macroplot, and the value for the species in the whole macroplot was calculated by averaging the midpoints of the four cover classes (one from each quarter of the macroplot). In other cases (where the understory was dense), cover was estimated by cover class in microplots within the macroplot, and the figure for the species in the macroplot was calculated by averaging the midpoints from the microplots.

These data are included to illustrate the structure and composition of selected stands. **They cannot be used for standard statistical comparisons.** Statistical comparisons of different plots, or the same plot at different times, require more detailed data.

Species codes in the data tables consist of the first three letters of the genus name and the first three letters of the species name. Appendix 6 lists the codes, along with scientific and common names. Heights (in meters) are given for trees, tall shrubs, and low shrubs. Information about each macroplot (and the stand the macroplot represents) is listed at the end of each table, in the section labelled "MACROPLOTS".

EPCODE: CTXUFFPM__001
NAME: PHLOX MUSCOIDES SERIES
COMNAME:
SQUARESTEM PHLOX SERIES
MARGNUM: 0 TENTEN: IDENT: Y EORANK: B?
EORANKCOMM:
SURVEYDATE: 1989-06 LASTOBS: 1989-06 FIRSTOBS: 1989 GRANK: G?
SRANK: S? STATE: WY COUNTYNAME: WYFREM
QUADCODE:
QUADNAME: RED CAN., DISHPAN BUTTE, YELLOWSTONE RCH PRECISION: S
LAT: 423730 LONG: 1081515 S: 423600 N: 423845 E: 1081345 W: 1081700
TOWNRANGE: 031N096W SECTION: 25 MERIDIAN: 6P
TRSCOMM: + OTHER SECTIONS PHYSPROV: WATERSHED:
DIRECTIONS: EDGES OF BEAVER RIM AND OTHER ESCARPMENTS NE OF OLD US HWY 2
87, BETWEEN PASS VABM ON SW AND DEVIL'S GAP VABM ON NE

GENDESC: INTERMITTENT BAND OF CUSHION PLANT VEGETATION ALONG EDGES OF
RIMS. BOUNDED BY BLACK SAGE STEPPE ON MESA SIDE, BY ESCARPM
ENT ON OTHER SIDE.

ELEV: 7000 SIZE: 300
EODATA: PHLMUS MOST COMMON DOMINANT. COMMON SPP PARPUL, SPHCAP, SENC
AN, HAPARM, HYMPOL, PHLPUN, AREHOO, ASTSER, OTHERS. COMPOSIT
ION VARIES SITE TO SITE.

COMMENTS: MACROPLOTS USWYMCBVRM01.03 AND BVRM03.02.

MACODE1: FBLACBEAV1WYUS CONTAINED1: N MACODE2: CONTAINED2:
MACODE3: FBLRALAND1WYUS CONTAINED3: N ADDLMAS: MORELAND: MOREPROT: Y
MOREMGMT: Y SITECODE:
SITENAME:
OWNER: + STATE
OWNERCOMM:
PROTCOMM: SEE ACEC REPORT FOR RECOMMENDATIONS
MGMTCOMM: SEE ACEC REPORT FOR RECOMMENDATIONS
MONITOR: MONITORNUM:
BESTSOURCE: JONES, G.P.

SOURCECODE: PNDJON01WYUS N89JON01WYUS

DATASENS: N BOUNDARIES: Y PHOTOS: Y OWNERINFO: N
TRANSCRIBR: 89-12-29 GPJ CDREV: MAPPER: QC:
UPDATE: 89-12-29 GPJ

Cover in Squarestem Phlox Macroplots

Macroplots

Species
codes

BVRM0103 BVRM0302

Trees

PINFLE	-	0.1
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Low shrubs and seedlings (0.5 meter)

ARTNOV	0.1	0.0
CHRVIS	0.1	-
PINFLE	-	0.1

Herbaceous species

AGRSPI	1.4	0.3
CARFIL	1.4	1.0
CARROS	-	0.8
KOEMAC	0.3	-
POASEC	0.2	-
AREHOO	1.1	1.1
ARENUT	0.5	0.5
ASTSER	-	4.7
ASTSPA	0.1	-
COMUMB	-	0.1
CRYFLA	0.0	-
DRAOLI	0.5	0.3
ERIPUM	0.0	1.1
ERIFLA	1.3	0.0
ERIOVA	0.5	-
GAUCOC	0.9	-
HAPARM	0.1	1.7
HAPNUT	0.6	0.3
HYMACA	0.5	0.3
HYPOL	0.9	0.4
LEPPUN	0.2	-
LINKIN	0.3	-
PARPUL	4.4	0.0
PENLAR	0.7	0.1
PEN SP	0.1	0.0
PHLMUS	8.2	5.8
PHLPUN	1.4	-
SENCAN	1.2	0.3
SPHCAP	-	0.2
TOWSPA	0.1	-
ZIGVEN	0.2	-

Bryoids

MOSS	0.2	-
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Ground cover

LITTER	1.1	0.5
GRAVEL	38.1	66.9
COBBLE	2.0	-
BOULDER	-	-

MACROPLOTS

BVRM0103: Macroplot USWYMCBVRM01.03

Dimensions: 10m x 50m. Twenty 20cm x 50cm microplots on line through center for cover estimates.

Location: T30N, R96W, SEC 2, NE1/4 NE1/4. Along Beaver Rim ca. 1 mile NE of Pass VABM

Elevation: 6970 feet Aspect: 180° Slope: 23°

Substrate: Silty limestone

Topographic position: Upper slope

Description: South-facing hilltop on bedrock outcrop, with much gravel and some cobbles. Merges upslope and downslope with black sagebrush steppe. Vegetation mainly cushion plants with few upright forbs and shrubs. Squarestem phlox strongly dominates band along top of stand, while other species dominate a lower zone. Similar stands occur as bands along tops of nearby slopes. Some horse droppings; part of Dishpan Butte grazing allotment, but offers little forage.

MH
11/3/2014

BVRM0302: Macroplot USWYMCBVRM03.02

Dimensions: 5m x 20m. Twenty 20cm x 50cm microplots on line through center for cover estimates.

Location: T31N, R96W, SEC 25, SW1/4 SE1/4. Along Beaver Rim ca. 1/4 mile SW of Devil's Gap.

Elevation: 7080 feet Aspect: 210° Slope: 1°

Substrate: Silty limestone

Topographic position: Level top of mesa

Description: Sparse vegetation along edge of Beaver Rim. This stand is part of discontinuous cushion plant zone between edge of Rim (with limber pine forest below) and black sagebrush steppe on Miocene-age surface. Some cattle droppings present on edge of stand toward steppe. Macroplot includes a few limber pine seedlings, which are absent from many cushion plant stands.

MH
12/2/2014

6/16/1998

Small polygon

EOCODE: CTXUFEPFLK.002

NAME: PINUS FLEXILIS/LEUCOPOA KINGII COMMUNITY

COMNAME:

LIMBER PINE/SPIKEFESCUE COMMUNITY

MARGNUM: 0 TENTEN: IDENT: ? EORANK: B?

EORANKCOMM:

SURVEYDATE: 1989-06 LASTOBS: 1989-06 FIRSTOBS: 1989 GRANK: G5

SRANK: S5 STATE: WY COUNTYNAME: WYFREM

QUADCODE:

QUADNAME: RED CANYON

PRECISION: S

LAT: 423530 LONG: 1081715 S: 0 N: 0 E: 0 W: 0

TOWNRANGE: 030N096W SECTION: 11 MERIDIAN: 6P

TRSCOMM: + SEC 10 + SEC 2 PHYSPROV: WATERSHED:

DIRECTIONS: BEAVER RIM ESCARPMENT EAST AND WEST OF OLD US HWY 287

GENDESC: SMALL STANDS IN NORTH-FACING DRAWS

ELEV: 6700 SIZE: 5

ODATA: LIMBER PINE FORMS OPEN OVERSTORY. TALL SHRUB LAYER OF AMEALN
, JUNSCO, CEMMON: LOW SHRUB LAYER OF SYMORE, ARTRVA, RIB CER.
AGRSPI, PHLMUL MAIN HERBS: LEUKIN PRESENT.

COMMENTS: GRAZED, SOME EXOTICS. MACROPLOT USWYMCBVRM02.01 IN ONE STAN
D. MAY EXTEND TO SW ALONG RIM.

MACODE1: FBLACBEAV1WYUS CONTAINED1: Y MACODE2: CONTAINED2:

MACODE3: FBLRALAND1WYUS CONTAINED3: Y ADDLMAS: N MORELAND: N MOREPROT: N

MOREMGMT: Y SITECODE:

SITENAME: BEAVER RIM

OWNER:

OWNERCOMM:

PROTCOMM:

MGMTCOMM: SEE ACEC REPORT FOR MANAGEMENT RECOMMENDATIONS

MONITOR: MONITORNUM:

BESTSOURCE: JONES, G.P.

SOURCECODE: PNDJON01WYUS N89JON01WYUS

DATASENS: N BOUNDARIES: N PHOTOS: Y OWNERINFO: N

TRANSCRIBR: 89-12-29 GPJ CDREV: MAPPER: QC:

UPDATE: 89-12-29 GPJ

Big polygon

EOCODE: CTXUFEPFLK.003

NAME: PINUS FLEXILIS/LEUCOPOA KINGII COMMUNITY

COMNAME:

LIMBER PINE/SPIKEFESCUE COMMUNITY

MARGNUM: 0 TENTEN: IDENT: ? EORANK: B?

EOANKCOMM:

SURVEYDATE: 1989-06 LASTOBS: 1989-06 FIRSTOBS: 1989 GRANK: G5

SRANK: S5 STATE: WY COUNTYNAME: WYFREM

QUADCODE:

QUADNAME: DISHPAN BUTTE, RED CANYON, ET AL PRECISION: S

LAT: 423730 LONG: 1081530 S: 423600 N: 423915 E: 1081400 W: 1081700

TOWNRANGE: 031N096W SECTION: 25 MERIDIAN: 6P

TRSCOMM: PHYSPROV: WATERSHED:

DIRECTIONS: BEAVER RIM ESCARPMENT BETWEEN OLD US HWY 287 ON SW AND DIRT
ROAD OFF RIM ON NE.

GENDESC: OPEN PINE STANDS ON UPPER PARTS OF BEAVER RIM AND SMALLER ES
CARPMENTS. DRY SITES.

ELEV: 6800 SIZE: 700

EODATA: OPEN PINFLE OVERSTORY, W/ JUNOST, ABOVE SPARSE HERB LAYER.
AGRSPI DOMINATES LATTER.

COMMENTS: MAY BE EO OF PINFLE/AGRSPI: LEUKIN MINOR SP IN MOST STANDS.
MACROPLOTS USWYBVRM04.01 & BVRM04.02.

MACODE1: FBLACBEAV1WYUS CONTAINED1: N MACODE2: CONTAINED2:

MACODE3: FBLRALAND1WYUS CONTAINED3: N ADDLMAS: N MORELAND: N MOREPROT: Y

MOREMGMT: Y SITECODE:

SITENAME:

OWNER: YELLOWSTONE RANCH (?) + STATE

OWNERCOMM:

PROTCOMM: SEE ACEC REPORT FOR RECOMMENDATIONS

MGMTCOMM: SEE ACEC REPORT FOR RECOMMENDATIONS

MONITOR: MONITORNUM:

BESTSOURCE: JONES, G.P.

SOURCECODE: PNDJON01WYUS N89JON01WYUS

DATASENS: N BOUNDARIES: Y PHOTOS: Y OWNERINFO: N

TRANSCRIBR: 89-12-29 GPJ CDREV: MAPPER: QC:

UPDATE: 89-12-29 GPJ

Cover in Limber Pine/King Spikefescue Macroplots

Species codes	Macroplots		
	<u>BVRM0201</u>	<u>BVRM0401</u>	<u>BVRM0402</u>
Trees (5-10 meters)			
PINFLE	31.9	15.0	18.1
Tall shrubs (2 meters)			
AMEALN	1.0	-	-
CERMON	1.5	-	-
JUNOST	-	7.5	-
JUNSCO	1.6	-	-
PINFLE	5.3	-	-
Low shrubs (0.5 meter)			
ARTNOV	-	0.9	-
ARTRVA	12.0	-	6.0
CHRVIS	-	-	0.3
RIBCER	13.3	0.4	0.8
RIBOXY	0.9	-	-
ROSSAY	13.1	-	-
SYMORE	56.3	-	5.4
TETCAN	-	0.1	-
Herbaceous species			
AGRSPI	2.0	2.4	4.3
CARFIL	-	0.4	1.3
CARROS	1.1	0.4	-
KOEMAC	-	0.4	0.3
LEUKIN	1.7	0.3	0.8
ORYHYM	-	0.1	-
POAJUN	-	0.3	2.0
POAPRA	0.1	-	-
POASEC	-	0.4	-
STIVIR	2.0	-	-
ANTMIC	2.0	-	3.0
ARAHOE	-	0.3	-
AREHOO	-	0.4	-
ARENUT	0.3	0.1	-
ASTMIS	2.1	-	-
ASTSER	-	0.3	-
BALINC	0.1	-	-
CASPAL	-	-	0.0
CIRPUL	-	0.3	-
COMUMB	-	-	1.5
CRERUN	0.7	0.4	1.6
CRY SP	-	0.1	-
DELNUT	0.1	-	-
DRAOLI	-	0.4	-
ERI SP	0.1	0.1	-
ERIOVA	-	0.4	-
HAPNUT	-	0.3	-

HEUPAR	-	0.1	1.3
HYMPOL	-	0.4	-
LEPPUN	-	0.3	-
LINLEW	0.1	-	0.0
LIT SP	0.1	-	0.3
MERVIR	6.0	-	-
PEN SP	0.1	-	-
PENLAR	-	0.3	-
PHLHOO	-	0.3	-
PHLMUL	9.8	-	9.0
PHLPUN	-	0.3	-
PHYSAX	-	0.1	-
PSOLAN	-	1.8	1.3
SEDLAN	0.1	-	-
SENCAN	-	0.3	0.3
SPHCAP	-	0.3	-
THEMON	0.3	-	-
TRIGYM	0.8	-	0.5
ZIGVEN	-	0.1	-
Bryoids			
MOSS	1.7	-	-
Ground cover			
LITTER	89.4	2.0	61.1
WOOD	-	3.0	-
GRAVEL	0.1	37.0	17.0
COBBLE	-	36.0	3.3
BOULDER	-	1.0	0.0
BEDROCK	-	1.0	-

MACROPLOTS

BVRM0201: Macroplot USWYMCBVRM02.01

Dimensions: 20m x 20m. Nine 20cm x 50cm microplots for herbaceous cover estimates; shrub and tree estimates from macroplot quarters.

Location: T30N, R96W, SEC 11, NE1/4 NW1/4. Immediately E of old US Hwy 287.

Elevation: 6760 feet Aspect: 346° Slope: 20°

Substrate: Sedimentary (tuffaceous sandstone)

Topographic position: Narrow valley

Description: Limber pine stand in north-facing draw.

Overstory is open, low shrub layer is present, and herbaceous layer is dense. Cattle droppings are common, and several paths run through stand; appears to have been grazed lightly this year.

(Continued)

MH
11/3/2014

Survey Date
6/15/1989

Tree size classes:

	Minimum dbh (inches)									
	<1	1	2	3	5	7	9	11	13	15
PINFLE, live	10	7	3	7	5	1		1	2	
PINFLE, live		17	19	21						1

Survey Date
6/16/1989

BVRM0401: Macroplot USWYMCBVRM04.01

Dimensions: 20m x 20m. All cover estimated in macroplot quarters.

Location: T31N, R95W, SEC 19 SW1/4 SW1/4. Top of Beaver Rim escarpment ca. 1/2 mile S of Devil's Gap.

Elevation: 7060 feet Aspect: 260° Slope: 30°

Substrate: Slope deposits over tuffaceous sandstone

Topographic position: Upper escarpment

Description: Patchy pine and juniper overstory on dry slope, with sparse black sagebrush low shrub layer and sparse herbaceous layer. Old stumps suggest that larger pines were removed in past. Slope is unstable, and soil moves easily.

Tree size classes:

	Minimum dbh (inches)									
	<1	1	2	3	5	7	9	11	13	15
PINFLE, live	4	1		3	1	3				

MH
11/3/2014

BVRM0402: Macroplot USWYMCBVRM04.02

Dimensions: 20m x 20m. Twelve 20cm x 50cm microplots for estimates of herbaceous cover; shrub and tree cover estimated in macroplot quarters.

Location: T31N, R95W, SEC 19, NE1/4 NW1/4. Low escarpment at Beaver Rim, ca. 3/4 mile NE of Devil's Gap VABM.

Elevation: 6800 feet Aspect: 330° Slope: 36°

Substrate: Slope deposits over tuffaceous sandstone or siltstone.

Topographic position: Escarpment

Description: Scattered pines form open overstory on dry slope. Understory also rather sparse. This stand is at NE end of limber pine occurrence at Beaver Rim.

Tree size classes:

	Minimum dbh (inches)									
	<1	1	2	3	5	7	9	11	13	15
PINFLE, live	1	1		2	5	3	1	1		1

MH
11/7/2014

6/16/1989

EOCODE: CTMJFEDMSO.001

Big polygon

NAME: PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS COMMUNITY

COMNAME:

DOUGLAS FIR/MOUNTIAN SNOWBERRY COMMUNITY

MARGNUM: 0 TENTEN: IDENT: Y EORANK: B?

EO RANK COMM:

SURVEYDATE: 1989-06 LASTOBS: 1989-06 FIRSTOBS: 1989 GRANK: G5?

SRANK: S5? STATE: WY COUNTYNAME: WYFREM

QUADCODE:

QUADNAME: DISHPAN BUTTE, YELLOWSTONE RANCH PRECISION: S

LAT: 423700 LONG: 1081600 S: 423600 N: 423800 E: 1081500 W: 1081700

TOWNRANGE: 031N096W SECTION: 25 MERIDIAN: 6P

TRSCOMM: + ADJACENT SECTIONS PHYSPROV: WATERSHED:

DIRECTIONS: ESCARPMENT OF BEAVER RIM BETWEEN OLD US HWY 287 ON SW AND DE
VIL'S GAP ON NE.

GENDESC: STANDS ON N-FACING SLOPES BELOW RIM. MERGE INTO PINFLE STAND
S. FEW STUMPS OF LARGE TREES INDICATE CUTTING SOME TIME AGO.

ELEV: 6800 SIZE: 30

ODATA: PSEMEN + SOME PINFLE FORM OVERSTORY. LOW SHRUB LAYER OF SYMO
RE & RIB CER. SPARSE HERB LAYER OF AGRSPI, PHLMUL, OTHERS. PA
TCHES OF PSEMEN SAPLINGS AND OF JUNSCO MAY BE PRESENT.

COMMENTS: MACROPLOTS USWYMCBVRM01.01 & BVRM03.01. MAY BE OTHER STANDS
ALONG RIM, ESPECIALLY TO NE IN NE4SW4 SEC 3, T31N, R95W.

MACODE1: FBLACBEAV1WYUS CONTAINED1: N MACODE2: CONTAINED2:

MACODE3: FBLRALAND1WYUS CONTAINED3: N ADDLMAS: MORELAND: MOREPROT: Y

MOREMGMT: Y SITECODE:

SITENAME: BEAVER RIM

OWNER: + STATE

OWNERCOMM:

PROTCOMM: SEE ACEC REPORT FOR RECOMMENDATIONS

MGMTCOMM: SEE ACEC REPORT FOR RECOMMENDATIONS

MONITOR: MONITORNUM:

BESTSOURCE: JONES, G.P.

SOURCECODE: PNDJON01WYUS N89JON01WYUS

DATASENS: N BOUNDARIES: N PHOTOS: N OWNERINFO: N

TRANSCRIBR: 89-12-29 GPJ CDREV: MAPPER: QC:

UPDATE: 89-12-29 GPJ

Cover in Douglas Fir/Snowberry Macroplots

Species codes	Macroplots	
	<u>BVRM0101</u>	<u>BVRM0301</u>
Trees		
PINFLE	7.5	-
PSEMEN	22.5	56.3
Total	30	56
Tall shrubs (3 meters)		
JUNSCO	5.0	-
Low shrubs (< 1 meter)		
ARTRVA	-	-
JUNCOM	0.1	0.4
RIBCER	0.3	-
SYMORE	5.0	1.7
Herbaceous species		
AGRSPI	0.3	-
CARROS	0.3	7.4
KOEMAC	-	10.5
LEUKIN	-	0.3
POAJUN	-	1.4
POASEC	2.5	5.3
ANTMIC	0.1	10.1
AREHOO	-	6.2
ASTMIS	0.1	0.8
COLPAR	-	0.3
CRERUN	-	0.0
ERI SP	-	0.4
HEUPAR	-	0.1
LIT SP	-	3.0
MERVIR	0.4	0.3
PHLMUL	-	-
PHLPUN	0.1	2.2
PSOLAN	1.4	-
THEMON	-	-
UNKNOWN	-	0.0
Bryophytes		
MOSS	-	0.0
Ground cover		
LICHEN	-	-
LITTER	67.5	0.3
WOOD	12.5	86.4
GRAVEL	-	-
COBBLE	9.1	0.1
BOULDER	-	-
BEDROCK	2.5	-

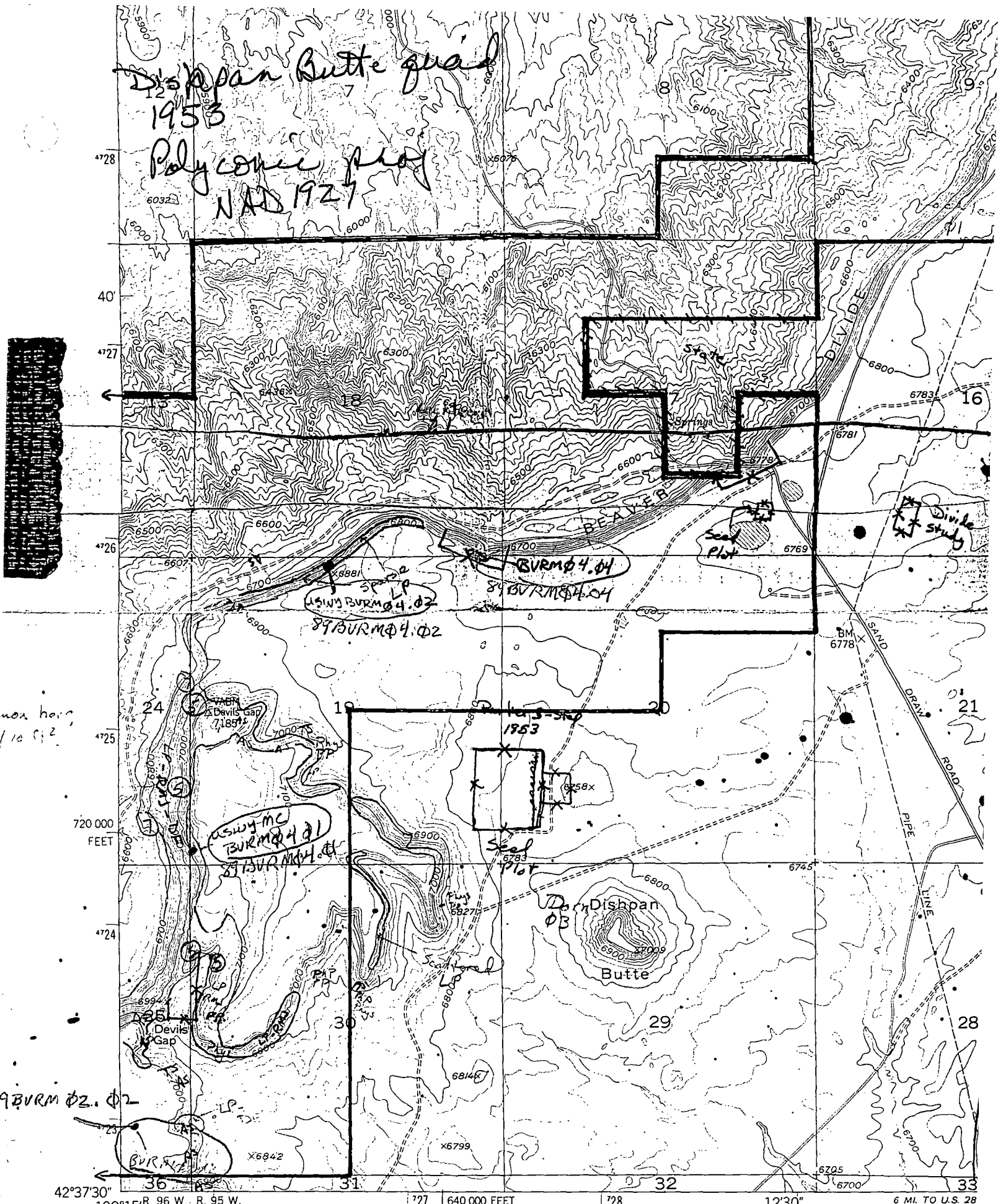
Dishpan Butte quad
 1953
 Polyconic map
 NAD 1927



non here
 112 912

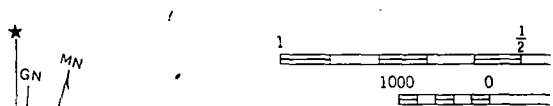
19 BURM Ø2. Ø2
 BURM

RED CANYON
 4369 III SE



42°37'30" 108°15' R. 96 W. R. 95 W. 727 640 000 FEET 728 12'30" 6 MI. TO U.S. 28 LANDER 46 M.

Mapped, edited, and published by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin



..... National Natural Land mark

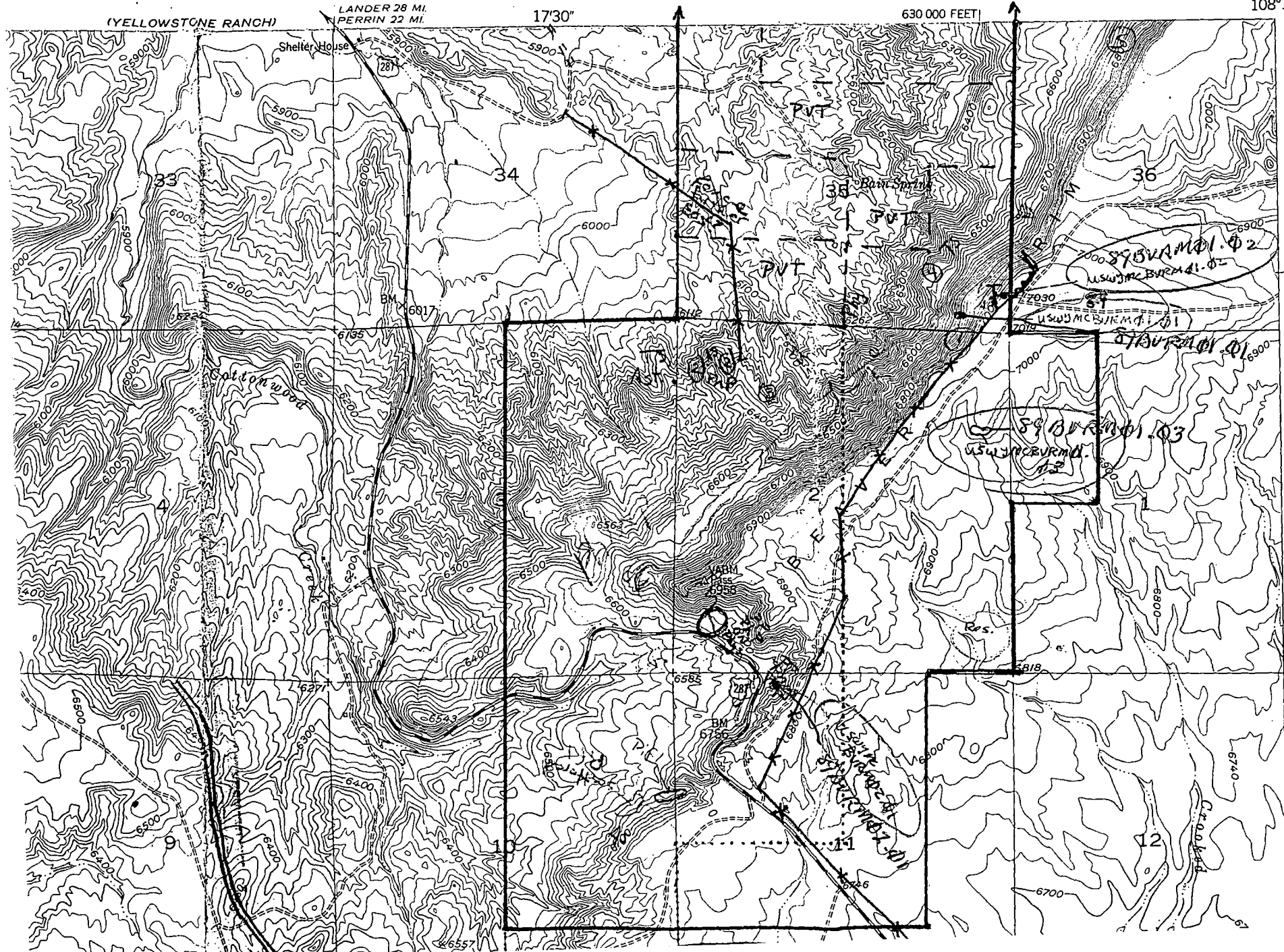
--- Private land or state land
state land

1757 map
Proj., Polyconic, NAD 27
1927

RED CANYON QUADRANGLE
WYOMING-FREMONT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

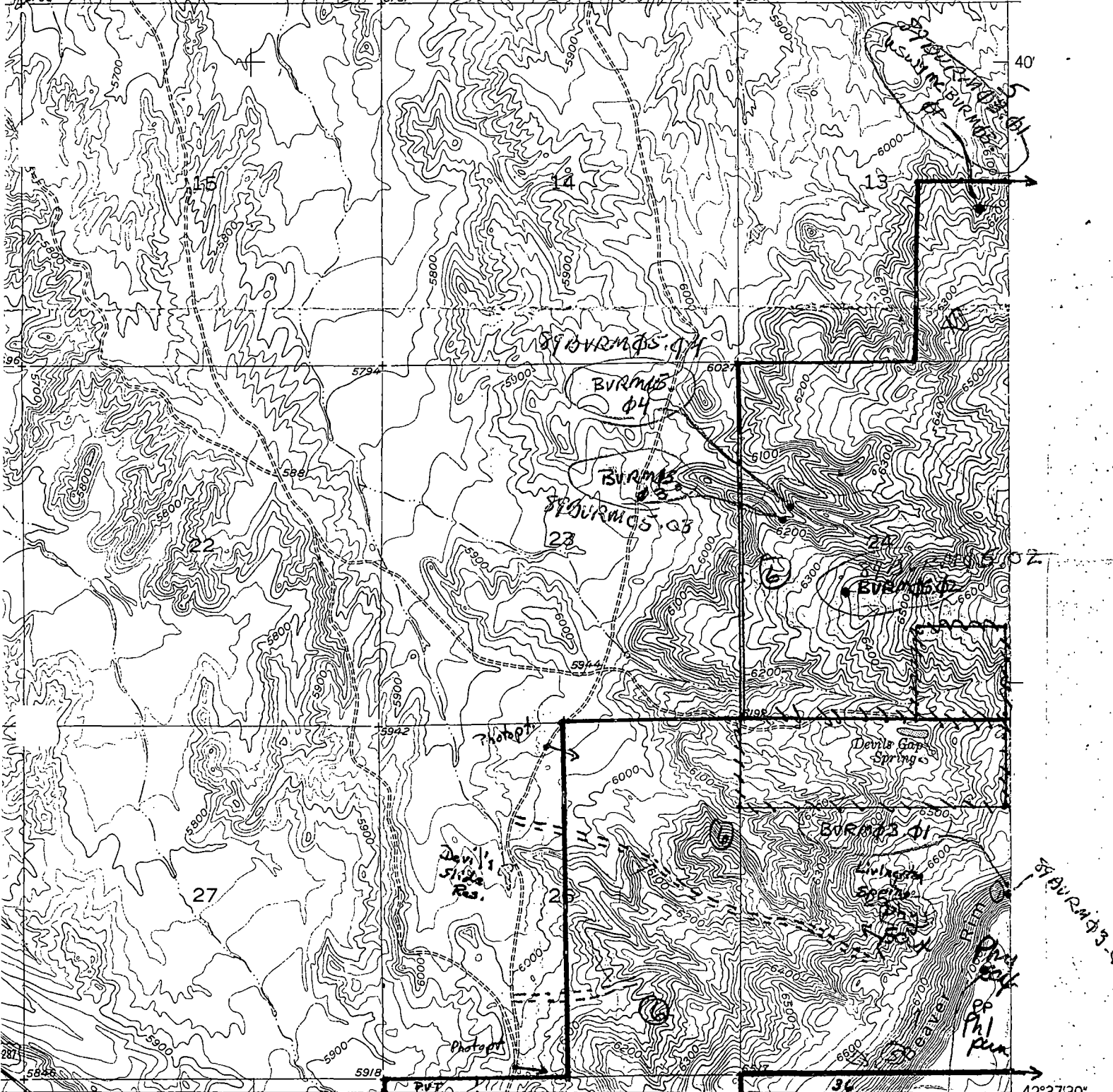
DISHPAN BUTTE

(YELLOWSTONE RANCH) LANDER 28 MI. PERRIN 22 MI. 17°30' 630 000 FEET 108°15' 42°37'30"



710 000
FEET
T. 31 N.
T. 30 N.

Sec 2
Lesg.
from

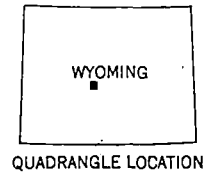
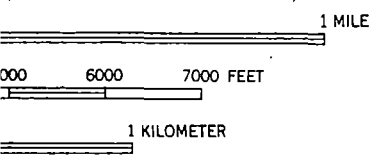


SWEETWATER STA. 10 MI. 17'30"
RAWLINS 100 MI.

1 MI. TO U.S. 287

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C.-1955
M R-5523

42°37'30"
108°15'



ROAD CLASSIFICATION

Heavy-duty	4 LANE 6 LANE	Light-duty
Medium-duty	4 LANE 6 LANE	Unimproved dirt
U. S. Route		State Route

YELLOWSTONE RANCH, WYO.
N4237.5—W10815/7.5

1953

Polycenic proj., NAD 1927

STANDARDS
COLORADO OR WASHINGTON 25, D. C.
AVAILABLE ON REQUEST

MACROPLOTS

BVRM0101: Macroplot USWYMCBVRM01.01

Dimensions: 20m x 20m. All cover estimated in macroplot quarters.

Location: T31N, R96W, SEC 35, SE1/4 SE1/4. Ca. 200 feet below top of escarpment of Beaver Rim, ca. 1.5 miles SW of Devil's Gap.

Elevation: 6800 feet Aspect: 275° Slope: 32°

Substrate: Sandy slope deposits

Topographic position: Upper slope

Description: Conifer woodland on mesic north side of Beaver Rim. Large Douglas fir form open overstory.

Understory is patchy: small Rocky Mtn. juniper of Douglas fir saplings form dense clumps in some areas, while the rest of the understory is open. Stand contains some old stumps of large Douglas fir and Rocky Mtn. juniper

Tree size classes:

	Minimum dbh (inches)									
	<1	1	2	3	5	7	9	11	13	15
PINFLE, live	4						1		2	1
PSEMEN, live	48	8	8	7	2	2		1		1
PSEMEN, dead								1		

BVRM0301: Macroplot USWYMCBVRM03.01

Dimensions: 20m x 20m. Eleven 20cm x 50cm microplots for herbaceous cover; tree and shrub cover estimated in macroplot quarters.

Location: T31N, R96W, SEC 25, SE1/4 SE1/4. Conifer woodland below top of escarpment, SW side Devil's Gap.

Elevation: 7000 feet Aspect: 346° Slope: 38°

Substrate: Sandy slope deposits

Topographic position: Upper slope

Description: Stand probably contains largest Douglas fir along Beaver Rim. Open, park-like patches in stand contain shrubs and grasses. Stand contains some trails (probably wildlife) and old stumps 10-12 in diameter. Rocks fall through and into stand from rim above.

Tree size classes:

	Minimum dbh (inches)									
	<1	1	2	3	5	7	9	11	13	15
PSEMEN, live	8	7	7	4				1	1	
PSEMEN, live	17	19	21	23	25+					
			1			2				

Survey Date

6/14/1989

MH
11/7/2014

MH
12/2/2014

6/16/1989

EPCODE: CTXUFEJOAS.002

NAME: JUNIPERUS OSTEOSPERMA/AGROPYRON SPICATUM COMMUNITY

COMNAME:

UTAH JUNIPER/BLUEBUNCH WHEATGRASS COMMUNITY

MARGNUM: 0 TENTEN: IDENT: Y EORANK: B?

EORANKCOMM:

SURVEYDATE: 1989-06-22 LASTOBS: 1989-06-22 FIRSTOBS: 1989 GRANK: G?

SRANK: S4? STATE: WY COUNTYNAME: WYFREM

QUADCODE:

QUADNAME: DISHPAN BUTTE, YELLOWSTONE RANCH PRECISION: S

LAT: 423930 LONG: 1081500 S: 423600 N: 424000 E: 1081415 W: 1081730

TOWNRANGE: 031N096W SECTION: 25 MERIDIAN: 6P

TRSCOMM: + OTHER SECTIONS PHYSPROV: WATERSHED:

DIRECTIONS: HILLS AT FOOT OF BEAVER RIM ESCARPMENT, BETWEEN OLD US HWY 2
87 ON SW AND DIRT ROAD OFF RIM ON NE.

GENDESC: JUNIPER STANDS GROW ON VARIOUS ASPECTS AND SLOPES OF HILLS.
OPEN AREAS CONTAIN ARTRWY STEPPE. DENSITY OF OVERSTORY AND U
NDERSTORY VARIES WITH ASPECT.

ELEV: 6300 SIZE: 2500

EODATA: JUNOST FORMS OPEN OVERSTORY. CERMON PRESENT, SOMETIMES CO-DO
M. LOW SHRUB LAYER OF ARTNOV, ARTRWY, SYMORE ON VARIOUS SLOP
ES. AGRSPI DOM HERB LAYER, PHLMUL, ANTMIC, POACUS, POASEC PH
LHOO, CARFIL, KOEMAC COMMON.

COMMENTS: MACROPLOTS USWYMCBVRM05.01, 02, 03, 04. GRAZED, SOME LARGE J
UNIPERS CUT FROM SOME STANDS IN PAST

MACODE1: FBLACBEAV1WYUS CONTAINED1: N MACODE2: CONTAINED2:
MACODE3: FBLRALAND1WYUS CONTAINED3: N ADDLMAS: MORELAND: MOREPROT: Y
MOREMGMT: Y SITECODE:

SITENAME:

OWNER: YELLOWSTONE RANCH ?

OWNERCOMM:

PROTCOMM: SEE ACEC REPORT FOR RECOMMENDATIONS

MGMTCOMM: SEE ACEC REPORT FOR RECOMMENDATIONS

MONITOR: MONITORNUM:

BESTSOURCE: JONES, G.P.

SOURCECODE: PNDJON01WYUS N89JON01WYUS

DATASENS: N BOUNDARIES: Y PHOTOS: N OWNERINFO: N

TRANSCRIBR: 89-12-29 GPJ CDREV: MAPPER: QC:

UPDATE: 89-12-29 GPJ

Cover in Utah Juniper/Bluebunch Wheatgrass Macroplots

Macroplots

Species codes	<u>BVRM0501</u>	<u>BVRM0502</u>	<u>BVRM0503</u>	<u>BVRM0504</u>
Tall shrubs (2-3 meters)				
JUNOST	31.9	50.0	17.6	20.6
Low shrubs (0.5 meter)				
ARTNOV	0.1	0.4	0.1	0.1
ARTRWY	-	0.3	0.4	-
CHRNAU	-	-	-	0.3
RIBCER	-	-	0.1	-
SYMORE	-	0.4	8.4	-
Herbaceous species				
AGRSPI	12.0	1.4	15.2	3.0
CARFIL	6.0	1.6	1.3	0.5
CARSTE	-	-	0.3	-
KOEMAC	0.4	0.6	2.4	0.1
POACUS	1.0	7.4	8.0	-
POASEC	1.5	2.1	0.8	-
ANTMIC	0.3	1.3	5.3	-
AREHOO	-	-	-	0.5
ARENUT	-	-	-	0.1
ASTCON	0.4	-	-	0.4
ASTMIS	-	2.1	2.4	-
ASTPEC	0.4	-	-	0.1
BALINC	-	-	0.3	-
CALNUT	-	-	0.0	-
CRERUN	0.4	0.1	0.8	-
CRY SP	-	-	-	0.4
ERICAE	-	-	0.3	-
ERIOVA	-	-	-	0.1
HAPARM	-	1.3	-	0.1
HAPNUT	-	-	-	0.1
HEUPAR	-	-	0.5	-
LUP SP	-	-	-	0.1
OPUPOL	-	-	-	0.1
OXY SP	-	-	-	0.1
PEN SP	0.3	-	-	0.1
PENSTR	-	0.0	0.3	-
PHLHOO	1.1	0.3	-	-
PHLMUL	-	1.6	10.8	-
PHLPUN	-	-	-	0.4
PHYSAX	-	-	-	0.1
PSOLAN	-	-	-	1.8
TRIGYM	-	0.3	1.9	-
VICAME	-	0.0	-	0.3

Bryoid MOSS	-	0.3	-	-
Ground cover				
LITTER	12.0	51.1	54.0	1.1
WOOD	0.5	1.9	2.1	2.4
GRAVEL	26.3	5.3	3.8	37.5
COBBLE	12.0	2.5	7.9	37.5
BOULDER	4.6	3.4	1.5	1.1

MACROPLOTS

BVRM0501: Macroplot USWYMCBVRM05.01

Dimensions: 20m x 20m. All cover estimated in macroplot quarters.

Location: T31N, R96W, SEC 13, NW1/4 SE1/4. Foothills of Beaver Rim, ca. 1.5 miles NW of Devil's Gap Spring

Elevation: 6100 feet Aspect: 90° Slope: 20°

Substrate: Shale with sandstone lenses

Topographic position: Upper and middle slope

Description: Juniper woodland grows on various slopes and aspects, with vegetation thickest on N- and E-facing slopes, sparse on S- and W-facing. Old stumps of large junipers present; trails (livestock and wildlife) and cattle droppings indicate animal use.

SURVEY DATE

6/22/1989

MH
11/7/2014

BVRM0502: Macroplot USWYMCBVRM05.02

Dimensions: 20m x 20m. Twelve 20cm x 50cm microplots used for estimating herbaceous cover; shrub cover estimated in macroplot quarters.

Location: T31N, R96W, SEC 24, NE1/4 SW1/4. Foothills of Beaver Rim, ca. 1/2 mile N of Devil's Gap Spring.

Elevation: 6400 feet Aspect: 300° Slope: 16°

Substrate: Sandstone and siltstone

Topographic position: Middle slope

Description: Plot represents dense stand of juniper occurrence. Cattle tracks and droppings indicate grazing. Some stands contain stumps of large junipers, cut some time ago. Livestock and wildlife trails indicate thoroughfare.

6/22/1989

MH
11/7/2014

BVRM0503: Macroplot USWYMCBVRM05.03

Dimensions: 20m x 20m. Twelve 20cm x 50cm microplots used for estimating herbaceous cover; shrub cover estimated in macroplot quarters.

Location: T31N, R96W, SEC 24, SW1/4 NW1/4. Foothills of Beaver Rim, ca. 3/4 mile NW of Devil's Gap Spring.

Elevation: 6120 feet Aspect: 16° Slope: 37°

Substrate: Sandy slope deposits over sandstone and siltstone

Topographic position: Upper slope

Description: Plot represents dense stand in juniper occurrence on various slopes and aspects. Cattle and

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11/7/2014

horse droppings present; livestock and wildlife trails present. Soil creep evident.

BVRM0504: Macroplot USWYMCBVRM05.04

Dimensions: 20m x 20m. All cover estimated in macroplot quarters.

Location: T31N, R96W, SEC 24, SW1/4 NW1/4. Foothills of Beaver Rim, ca. 3/4 mile NW of Devil's Gap Spring.

Elevation: 6120 feet Aspect: 28° Slope: 226°

Substrate: Sandy slope deposits over sandstone and siltstone

Topographic position: Lower slope

Description: Plot represents sparse juniper stand in occurrence on various slopes and aspects. Shallow gulleys run down slope. Rockfall, soil creep evident.

MH
11/7/2014

6/22/1989

Cover in Black Sagebrush/Bluebunch Wheatgrass Macroplots

Species codes	Macroplots	
	<u>BVRM0102</u>	<u>BVRM030</u>
Shrubs (0.5 meter)		
ARTNOV	16.3	18.4
ARTRWY	0.0	0.9
CHRNAU	1.9	-
TETCAN	1.5	0.2
Herbaceous species		
AGRSPI	8.1	6.6
CARFIL	26.9	3.8
CARSTE	-	1.0
KOEMAC	0.4	3.6
POACUS	1.5	6.7
POASEC	3.1	0.8
STICOM	2.8	2.0
ANTMIC	-	0.8
COMUMB	-	1.6
CREACU	0.4	0.1
ERI SP	-	0.3
PENLAR	0.2	-
PHLHOO	4.7	3.4
TRIGYM	-	0.1
ZIGVEN	0.1	-
Bryophytes		
MOSS	0.2	-
Ground cover		
LITTER	22.8	36.4
WOOD	5	
GRAVEL	0.3	0.2

MACROPLOTS

BVRM0101: Macroplot USWYMCBVRM01.02

Dimensions: 10m x 50m. Ten 20cm x 50cm microplots on each of two lines used for cover estimates.

Location: T31N, R96W, SEC35, SE1/4 SE1/4. Macroplot near Beaver Rim, in piece of pasture between fence and Rim.

Elevation: 7000 feet Aspect: 180° Slope: 2°

Substrate: Sandstone

Topographic position: Level top of mesa

Description: Black sage steppe on Miocene-age surface south of high part of Beaver Rim, on south-dipping surface from rim southeast to scarp. Black sage dominates shrub layer; some horsebrush, Wyoming big sage present. Bluebunch wheatgrass and threadleaf sedge dominate herb layer. Veg appears homogeneous; no obvious patches.

MH
11/7/2014

Survey Date
6/14/1989

Grazed (in past, but not yet this year) as part of Dishpan Butte grazing allotment. No exotic plants observed. Two-track road runs SW-NE, near Rim.

BVRM0303: Macroplot USWYMCBVRM03.03

Dimensions: 15m x 30m. Ten 20cm x 50cm microplots on each of two lines for cover estimates.

Location: T31N, RR96W, SEC25, SE1/4. Ca. 1/4 mile S of Devil's Gap

Elevation: 7040 feet Aspect: 70° Slope: 4°

Substrate: Sandstone

Topographic position: Upper slope

Description: Black sage steppe on gentle Miocene-age surface south of Beaver Rim. Relative cover of black sage and Wyoming big sage varies, with former dominant (except in draws) and latter present in small amounts. Herbaceous understory varies. Grazed by horses and cattle (but not this year, yet). Few bulldozer scrapings in area. Some areas of pocket gopher disturbance.

Survey
Date

6/16/1979

MH
10/7/2014

Cover in Wyoming Big Sagebrush/Bluebunch Wheatgrass Macroplot

Macroplot

Species codes BVRM0404

Shrubs (0.5 meter)

ARTNOV	0.5
ARTRWY	19.9
CHRVIS	0.5
TETCAN	0.5

Herbaceous species

AGRSPI	8.1
CARFIL	14.3
CARSTE	0.5
KOEMAC	0.9
POACUS	6.0
POASEC	2.3
STICOM	5.4
ASTMIS	0.0
CREMOD	0.0
CYMACA	0.5
ERI SP	0.3
LEPPUN	0.5
PHLHOO	1.1
TRIGYM	0.1

Ground cover

LITTER	31.6
WOOD	5.3
SOIL	-
GRAVEL	5.8
COBBLE	7.5

MACROPLOTS

BVRM0404: Macroplot USWYMCBVRM04.04

Survey Date
6/17/1989

Dimensions: 15m X 30m, including 2 lines with 10 microplots each for cover estimates.

Location: T31N, R95W, SEC 18, SE1/4 SE1/4. Between Beaver Rim and fence, ca. 1 mile west of dirt road going off rim.

Elevation: 6800 feet Aspect: 120° Slope: 4°

Substrate: Oligocene-aged sandy limestone

Topographic position: Middle slope

Description: Sagebrush steppe on gentle sedimentary surface. Shrub layer a mixture of Wyoming big sage and black sage. Most of occurrence is in Dishpan Butte allotment, and extends from Beaver Rim on north to US Hwy 287 on south, and from Miocene butte on west to Sand Draw road on east. Occurrence has been grazed

MH
12/2/2014

(cattle, horses, sheep) and parts have been sprayed.
Macroplot is cut off from rest of allotment by barbed-
wire fence.