

UNIVERSITY OF NEW MEXICO  
PROPOSAL DATA SHEET

105-906

A. Information

Department(s): Biology Current UNM Account #: \_\_\_\_\_  
 Principal Investigator(s): Esteban M. Vidarin Current End Date: June 30, 1995  
Selected Research Nat Phone: 7-1982 Funding Agency: US Forest Service  
 Project Title: Vegetation Studies in Selected  
Research Natural Areas of the Rio Grande Agency Contact Person/Phone: Deborah Finch <sup>76623</sup>  
Basin, New Mexico Solicitation Number: \_\_\_\_\_

This Action:  New  Revision  Supplemental  Continuation  Extension  Other  
 Funding Source:  Federal  State  Laboratory  Industry  Foundation  Other  
 Award Type:  Contract  Grant Project Category:  Research  Public Service  Sponsored Instruction  
 Proposed Performance Period: FROM: July 1, 94 TO: June 30, 95 IDC Rate % 26 On/Off Campus On  
 Proposed Funding \$ 25000 (+6250 CS) IDC \$ 5159 (+1290 CS)  
 1st Year Funding \$ \_\_\_\_\_ IDC \$ \_\_\_\_\_ (For multiple year proposals)

B. Review: (Complete for all new proposals or if there are any changes)

Cost-Sharing/Matching Funds Required by Agency . . . . .	No <input checked="" type="radio"/> Yes <sup>1</sup>	Human Subjects Involved . . . . .	No <input checked="" type="radio"/> Yes <sup>2</sup>
Release Time Requested . . . . .	No <input checked="" type="radio"/> Yes <sup>1</sup>	Animals Involved . . . . .	No <input checked="" type="radio"/> Yes <sup>2</sup>
Extra-Compensation Requested from Agency . . . . .	No <input checked="" type="radio"/> Yes <sup>1</sup>	Recombinant DNA/Biohazards Involved . . . . .	No <input checked="" type="radio"/> Yes <sup>2</sup>
Additional Office/Lab Space Required . . . . .	No <input checked="" type="radio"/> Yes <sup>1</sup>	Radioactive Materials Involved . . . . .	No <input checked="" type="radio"/> Yes <sup>2</sup>
Equipment Maintenance Costs Included . . . . .	Yes <input checked="" type="radio"/> No <sup>1</sup>	Controlled Substances (Drugs) Involved . . . . .	No <input checked="" type="radio"/> Yes <sup>2</sup>
Computer Costs Included . . . . .	Yes <input checked="" type="radio"/> No <sup>1</sup>	Consultants/Subcontracts Involved . . . . .	No <input checked="" type="radio"/> Yes <sup>1</sup>
Conflict of Interest . . . . .	Yes <input checked="" type="radio"/> No <sup>4</sup>	Multiple Departments Involved . . . . .	No <input checked="" type="radio"/> Yes <sup>3</sup>

<sup>1</sup> Explain on separate sheet if not in detail in proposal. <sup>2</sup> Have proposal reviewed by appropriate committee/department. Check with ORA for additional information. <sup>3</sup> See bottom of reverse side. <sup>4</sup> If necessary, prepare disclosure per policy.

Notes:  
Cost share = time and equipment.

C. Approvals:

[Signature] 5/26/1994 Date  
 Principal Investigator  
[Signature] 6-1-94 Date  
 Chairperson/Director  
[Signature] 6-1-94 Date  
 Dean/Vice President  
[Signature] 6/8/94 Date  
 Director, Research Administration  
[Signature] Associate Provost for Research Date

PROPOSAL ROUTING SHEET FOR ARTS AND SCIENCES

(Do not expect less than one week turn-around service at the College level if your grant proposal involves cost-sharing or off-campus overhead rates. If it does not involve these issues, you can get 10-minute service by bringing along an extra copy of the proposal for the College's files and a filled-out copy of this sheet. Also bring this sheet filled out if you are requesting cost-sharing.)

Proposal Title: *Vegetation Studies in Selected Research Natural Areas of the Rio Grande Basin, New Mexico*

PI Name(s): *Esteban Muldavin*

Agency to which submitted: *US Forest Service*

Total proposed budget per year for each year:  $\$25,000 + \$6,250 \text{ CS}$

Total proposed IDC per year for each year:  $\$5,159 + \$1,290 \text{ CS}$

Total proposed amount requested for UNM cost sharing, followed by break down in dollar amounts and the equivalent percentage of the total IDC generated which are requested from each level in the "food chain", PI, Department, College and VPR:  *$\$6,250$  cost share with  $\$1,290$  in IDC requested following the standard formula.*

10-20 line rational for cost sharing if requested:

*See attached*

Signature lines for each party involved in cost sharing if requested:

### Explanation of Subcontract

The New Mexico Natural Heritage Program (NMNHP) in the Biology Department is jointly funded by the University of New Mexico and The Nature Conservancy, a non-profit organization. Some staff of the NMNHP are employees of The Nature Conservancy. When contracts are awarded to UNM for research to be conducted by the NMNHP, funds for salaries of employees of The Nature Conservancy need to be paid to that organization. A subcontract is needed for that. A Memorandum of Agreement that addresses subcontracting between the two parties is awaiting the signature of the Provost.

The Tree Ring Laboratory at the University of Arizona has been conducting tree studies at one of the proposed sites. The proposed contract will facilitate collaborative work between the New Mexico Natural Heritage Program and the Tree Ring Lab. Further, the expertise to accomplish this work is not available at UNM.

### Explanation of Subcontract

Dr. Juanita Ladyman, who is an Adjunct Assistant Professor at UNM, has been conducting research over the past three years on cryptogamic crusts in pinon juniper woodlands in New Mexico. The proposed contract is needed to obtain her expertise in this research area.

### Explanation of Cost Share

A 20% cost share has been requested by the US Forest Service. This project is of mutual interest to both parties. Parts of the mission of the New Mexico Natural Heritage Program are to conduct research toward conservation of the state's biological resources and to train UNM students in conservation biology. This proposed project will assist us in working toward those parts of the mission. The cost share of E. Muldavin's salary will be from UNM account 1-22236. The aerial photography will be done by a volunteer pilot and The Nature Conservancy is donating use of a PC computer.

PROPOSED JOINT VENTURE AGREEMENT BETWEEN  
USDA FOREST SERVICE  
ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION  
AND  
UNIVERSITY OF NEW MEXICO, BIOLOGY DEPARTMENT  
NEW MEXICO NATURAL HERITAGE PROGRAM

PROJECT TITLE: Vegetation Studies in Selected Research Natural Areas of the Rio Grande Basin, New Mexico.

STATEMENT OF WORK:

This joint venture is oriented towards understanding vegetation composition, structure and spatial pattern in woodland and forest of ecosystems of the Rio Grande Basin under the relatively natural disturbance regimes of Research Natural Areas. Such information will then serve as a benchmark for evaluating ecosystem condition in the Basin and will provide a tools for management of both the RNA and associated managed lands.

There are three component investigations in the venture:

**Investigation 1. Small patch structure and Biodiversity in Pinyon-Juniper Ecosystems.**

A previous study conducted in 1993 by the cooperators extensively sampled and analyzed the composition and spatial structure of vascular plants and cryptogamic crusts in an low disturbance pinyon-juniper woodland located at Mesita de Las Ladrones of the Santa Fe National Forest. This study will expand upon this work with further field sampling targeted towards a) understanding some of the underlying environmental conditions that may be determining the spatial pattern, b) further analyzing the 1993 data set to detect small patch structure at the maximum resolvable scales, and then c) relating the small patch structure to the surrounding landscape. Aerial photography will be taken to show the location of sample sites in relation the overall landscape used in 1993, and those sites will be fixed with a Geographic Positioning System (GPS). Soil surface characteristics will be measured and correlated with the vegetation data. Sample point position will measured and compared to the surrounding landscape. Products will include a Study Plan outlining sampling strategy and analysis, and a Final Report ready for publication detailing the results and management implications for pinyon-juniper woodlands in the Rio Grande Basin.

**Investigation 2. Cryptogamic Crusts in Pinyon-Juniper Woodlands -- Implications for Management in the Rio Grande Basin.** Previous studies by the cooperators in 1992 and 1993 examined in detailed the composition and spatial pattern of soil cryptogamic crusts (mosses, lichens and algae) in pinyon-juniper woodlands located in RNAs of relatively low and natural disturbance. This study will put those results in the context of other work that has been conducted in pinyon-juniper woodlands in the Southwest and attempt to draw some conclusions about the importance of cryptogamic crusts in these ecosystems and the associated implications for ecosystem management. The product will

be a Final Report ready for publication which will provide a comprehensive literature review and evaluation on the role of cryptogamic crusts in pinon juniper woodlands.

**Investigation 3. Stand Structure of an Old Growth Ponderosa Pine Forest and the Implications for Management.** The stand structure will be examined in an old growth Ponderosa Pine forest on the Monument Canyon Research Natural Area (RNA) in the Jemez Mountains of the Santa Fe National Forest. The primary target is a detailed analysis of the age structure and spatial distribution of young reproduction patches within the stand, along with a less intensive analysis of overall age structure of the stand. Precise establishment dates for individuals will be determined and these establishment events related to environmental and fire history. Aerial photography will be taken to assess the spatial pattern of tree establishment. The results can be used by the Forest Service directly in developing management strategies for the RNA, particularly with reference to fire. The results will also have broader implications for management of forests in the upper watersheds of the Rio Grande Basin, and their impact on lower watershed processes. The products will be a Study Plan detailing the sampling and data analysis strategies, and a Final Report ready for publication detailing the results and management implications.

#### REPORT SCHEDULE:

This proposed schedule assumes a start date of July 1, 1994. Report deadlines will be adjusted if the actual start date is delayed. Study Plans for Investigations 1 and 3 (Small Patch Structure in Pinyon-Juniper Woodlands and Stand Structure in an Old Growth Ponderosa Pine Forest) will be delivered by July 30, 1994. The Final Report for Investigation 2 will be submitted by December 30, 1994. The Final Report for Investigation 3 will be submitted by March 31, 1995. The Final Report for Investigation 1 will be submitted by June 30, 1995. Brief quarterly Progress Reports that describe the work conducted to date will be submitted beginning September 30, 1994.

Vegetation Studies on Research Natural Areas  
in New Mexico

Proposed Budget

	USFS	UNM
<b>SALARIES &amp; WAGES</b>		
Principal Investigator, Esteban Muldavin 1.55 months at \$3500/mo	\$4,375	\$1,075
Student field assistant 39 days at \$100/day	\$3,900	
Subtotal Salaries & Wages	\$8,275	\$1,075
<b>BENEFITS</b>		
Muldavin, E., Principal Investigator (22%)	\$963	\$237
Student field assistant (1%)	\$39	
Subtotal Benefits	\$1,002	\$237
<b>SUBCONTRACT, THE NATURE CONSERVANCY</b>		
University of Arizona, Tree Ring Lab.	\$2,000	←
Salary, Office Assistant (R. Keeshen)	\$807	
Benefits, Office Assistant (R. Keeshen) 23%	\$186	
Subtotal Subcontract	\$2,993	
<b>CONSULTANTS</b>		
Juanita Ladyman	\$4,250	
<b>TRAVEL</b>		
	\$2,500	
<b>MATERIALS AND SERVICES</b>		
Postage/Phone/Photocopy/Photo	\$722	
Field Supplies	\$100	
Aerial Photography		\$2,500
Computer Usage, PC		\$1,149
Subtotal Materials & Services	\$822	\$3,649
<b>TOTAL DIRECT COSTS</b>	\$19,842	\$4,961
<b>INDIRECT COSTS (26% off-campus)</b>	\$5,159	\$1,290
<b>TOTAL PROJECT COSTS</b>	\$25,000 +	\$6,250 = \$31,250
		26% of \$31,250 = \$8,125

MNL - GPS points at S.O.M. in plants for a job of 750m - Transsect #2  
 July 1993  
 Mica Lohman

File No.	# Pts's or Range	Date	Time (24hr)	2D/3D	Raw Field Position Lat/Long or UTM	Elev. Field	Plot ID	Map Class	Notes
93ST2950	15 Pts	9/29/93	1050	3D	481292/3903260	1573	Target #2	—	Beginning of transect & on boundary and at nearest
93ST2700			1055		481279/3903335	1795	"	600	Plot SD is according to
93ST2650			1059		481289/3903363	1412	"	550	what is written on
93ST2600			1103		481293/3903403	1796	"	500	the stake
93ST2550			1106		481236/3903454	1325	"	450	
93ST2500			1110		481264/3903464	1572	"	400	
93ST2450			1114		481185/3903453	1706	"	350	
93ST2400		9/30/93	1641		481183/3903601	1810	"	300	Setting up 005
*93ST2350	16 Pts		1650		481153/3903577	1826	"	250	
93ST2300	15 Pts		1653		481135/3903629	1709	"	200	
93ST2250			1657		481116/3903701	1772	"	150	
93ST2200			1700		481087/3903705	1566	"	100	
93ST2150			1704		481079/3903744	1687	"	50	
93ST2100			1708		481049/3903782	1655	"	0	
93ST2050			1712		481987/3903744	1759	"	-50	
93ST2000			1716		480992/3903736	1726	"	-100	
Transsect #2 Beginning by south end									
93ST1000			1724		481144/3903946	1868	Target #1	6	
93ST1050			1729		481180/3903952	1734	"	50	
93ST1100			1753		481162/3904028	1725	"	100	
93ST1150			1757		481149/3904042	1789	"	150	
93ST1200			1801		481201/3904122	1745	"	200	
93ST1250			1806		481197/3904213	1797	"	250	
93ST1300			1810		481206/3904204	1772	"	300	

MMNHP -- GPS LOG

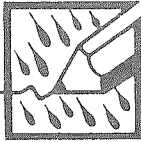
File No. # Pcs/s or Range Date Time (24hr) 2D/3D Lat/Long or UTM Elev. Field Plot ID Map Class Notes

Mesa Labrows July 1993

Table with 11 columns: File No., # Pcs/s or Range, Date, Time (24hr), 2D/3D, Lat/Long or UTM, Elev. Field, Plot ID, Map, Class, Notes. Rows include data points for 935T350 through 935T950, with a 'DAME!' note at the bottom.



"Rite in the Rain"®



ALL-WEATHER

**LEVEL**

Notebook No. 311

Mesita de las Ladrones

Survey dates Nov. 10 & 11, 1994



Soil Station	BS	HI	FS	DF	FEV
1-745.25 (TPI)		5.10		-26	1000
1-735.25			5.36	-35	999.74
1-725.25			5.45	-38	999.65
1-715.25			5.48	-69	999.162
1-705.25			5.79	-1.02	999.31
1-695.25			6.12	-1.30	998.98
1-685.25			6.40	-1.20	998.7
1-675.25			6.00	-1.80	998.3
1-665.25			<del>6.87</del> 6.90	1.95	998.2
1-665.25	4.95	4.88	(Back Sight)		
1-655.25 (TP2)		4.88			998.27
1-645.25			4.53		998.62

Soil Station	BS	HI	FS	DE	
				0.82	
1-635.25			4.06		999.44
1-625.25			2.69		
1-615.25			1.34		
1-615.25	6.69				
1-605.25 (TP3)		4.88			
1-595.25			2.61		
1-595.25	6.30	(Back sight from TP4)			
1-585.25 (TP4)		4.75			
1-575.25			4.08		
1-565.25			2.99		
1-555.25			1.77		
1-555.25	3.50	(Backsight from TP5)			

	BS	HI	FS
1-545.25 (TP5)		3.15	
1-535.25			2.88
1-525.25			2.89
1-525.25	2.05	(Back sight from TP6)	
1-515.25 (TP6)		2.65	
1-515.25		2.19	New HI due to JUMO obstruction
1-505.25			3.58
1-495.25			4.73
1-495.25	1.41	(Back sight from TP7)	
1-485.25		3.10	
1-475.25			4.57

	BS	HI	FS		
1-475.25	3.19	(Backsight from TP8)			
1-465.25 (TP8)		4.79			
1-455.25			6.65		
1-445.25			8.19		
1-445.25	2.59 1.57	(Backsight from TP9)			
1-435.25 (TP9)		4.14			
1-425.25			5.06		
1-415.25			6.19		
1-405.25			6.97		
1-395.25			7.78		
1-385.25			8.29		
1-375.25			8.69		

	BS	HI	FS		
1-365.25			8.95		
1-355.25			9.12		
1-355.25	4.37	(Backsight from TP 10)			
1-345.25 (TP10)		4.15			
1-335.25			3.86		
1-325.25			4.29		
1-315.25			4.59		
1-305.25			5.30		
1-305.25	3.16	(Backsight from TP11)			
1-295.25 (TP11)		4.13			
1-285.25		2.19	3.05	(CHANGED HI Due to obstruction)	
1-285.25	2.76	(Backsight from TP 12)			

	BS	HI	FS		
1-275.25 (TP12)		3.74			
1-265.25			4.15		
1-255.25			4.48		
1-245.25			4.58		
1-235.25			<del>4.77</del> 4.73		
1-225.25			4.81		
1-215.25			5.12		
1-205.25			5.07		
1-195.25			4.93		
1-195.25	5.00	(Bocksight from TP13)			
1-185.25		4.85			
1-175.25			4.64		



	BS	HI	FS		
1-165.25			9.36		
1-155.25			4.07		
1-145.25			3.72		
1-135.25			3.04		
1-125.25			2.15		
1-115.25			1.04		
1-115.25	6.12	(BS from TP 14)			
1-105.25 (TP14)		4.93			
1-95.25			3.79		
1-85.25			2.80		
1-75.25			1.46		
1-65.25			0.55		

	BS	HI	ES	
1-65.25	4.25	(BS from TP15)		
1-55.25		2.90		}
(TP15)				
1-45.25			1.51	
1-45.25	5.10	(BS from TP16)		
1-35.25		3.66		
(TP16)				
1-25.25			2.12	
1-25.25	3.77	(BS from TP17)		
1-15.25		3.66		
(TP17)				
1- 5.25			3.15	

	BS	HI	FS		
2-5.25	3.43			(BS from TP 1)	
2-15.25		4.16			
(TP 1)					
2-25.25			5.18		
2-35.25			5.55		
2-35.25	2.63			BS from TP 2	
2-45.25		3.21			
2-55.25			4.26		
2-65.25			5.17		
2-65.25	3.33			(BS from TP 3)	
2-75.25		4.79			
2-85.25			6.02		
2-95.25			7.33		
2-105.25			8.24		

BS	H1	FS			BS	H1	FS
2-105.25	3.45		(BS from TP 4)	2-215.25			5.25
2-115.25	4.52			2-225.25			5.72
2-125.25		5.43		2-235.25			6.22
2-135.25		6.17		2-245.25			6.71
2-145.25		6.79		2-255.25			7.05
2-155.25		7.36		2-265.25			7.52
2-165.25		8.18		2-275.25			7.78
2-165.25	4.03		BS from TP 5	2-275.25	4.25		BS from TP 7
2-175.25		4.58		2-285.25		4.45	
2-185.25		5.35		2-295.25			4.75
2-185.25	3.87		(BS from TP 6)	2-305.25			4.95
2-195.25		4.44		2-315.25			5.18
2-205.25		4.85		2-315.25	4.67		BS from TP 8

2-325.25	BS	H1	FS			BS	H1	FS	
		4.74				2-445.25		4.86	
2-335.25			4.72			2-455.25		4.65	
2-345.25			4.75			2-465.25		4.35	
2-355.25			4.71			2-465.25	5.31		BS from TP 10
2-365.25			4.58			2-475.25	5.05		
2-375.25			4.19			2-485.25		4.81	
2-385.25			3.93			2-495.25		4.41	
2-395.25			3.75			2-505.25		4.06	
2-405.25			3.61			2-515.25		3.62	
2-415.25			3.24			2-525.25		3.06	
2-425.25			3.16			2-535.25		2.73	
2-425.25	5.41					2-545.25		2.27	
2-435.25		5.25				2-555.25		1.73	

BS	HI	FS		BS	HI	FS
555.25	5.31		BS from TP 11	2-675.25		4.31
2-565.25	5.05			2-685.25		3.21
2-575.25		4.20		2-695.25		2.22
2-585.25		4.03		2-705.25		1.02
2-595.25		3.65		2-715.25	6.01	BS from TP 13
2-605.25		3.32		2-725.25	5.04	
2-615.25		2.93		2-735.25		3.90
2-625.25		2.36		2-745.25		2.68
2-635.25		1.91				1.81
2-645.25		1.45				
2-655.25		0.82				
2-665.25	5.74		BS from TP 12			
2-665.25		5.11				

Line no: 1

Bearing: North

Date: 7/28

Name: LMP / JAR

% quad					
0.0	∅	Forb			
	<del>2.5</del>	Grass	1.5% <del>10</del> Bou. Curt.	5% <del>10</del> Stipa 3% <del>10</del> B. grac.	
	<del>3/5</del>	Cryptogam	Lichen 2	Moss Algae BUC 1	
	∅	Rock > 6cm	Stone < 6cm > 2cm	Pebble < 2cm	
	13	∅	Woody debris > 7.5cm	Debris > 1cm < 7.5cm	
	∅	Debris < 1cm	Slope: 0°		
	∅	Shrub			
0.5	∅	Tree sp.	girth	Ht.	
	0.5	∅	Forb		
		2.5	Grass	5% <del>10</del> B. eri.	5% <del>10</del> Stipa 10% <del>10</del> Bou. Curt. 5% <del>10</del> B. grac.
		15	Cryptogam	Lichen 3% <del>10</del>	Moss Algae BUC 9.75
		∅	Rock > 6cm	Stone < 6cm > 2cm	Pebble < 2cm
		∅	Woody debris > 7.5cm	Debris > 1cm < 7.5cm	Debris < 1cm
		∅	Slope: 0°		
∅		Shrub			
1.0	∅	Tree sp.	girth	Ht.	
	1.0	∅	Forb		
		∅	Grass	3.5% <del>10</del> Stipa	4% <del>10</del> B. eri
		2.5	Cryptogam	Lichen 12% <del>10</del>	Moss Algae BUC 10%
		∅	Rock > 6cm	Stone < 6cm > 2cm	Pebble < 2cm
		∅	Woody debris > 7.5cm	Debris > 1cm < 7.5cm	Debris < 1cm
		7%	Slope: 0°		
∅		Shrub			
1.0	∅	Tree sp.	girth	Ht.	

3.5  
1.7

2°

Line no:

Bearing: North

Date: 7/24/93

Name: LMP J L

		% quad				
1.5		0	Forb			
	2.2	<del>12%</del>	Grass <sup>1.5</sup> <del>1.5</del> <sup>0.5</sup> <del>0.5</del> <sup>2</sup> <del>2</del>	<del>Stipa</del> <del>B. eri</del> <del>B. cont.</del>		
	59%	<del>10%</del>	Cryptogam	Lichen		
			Moss	Algae	BUC	
			Rock > 6cm	Soil		
			Stone < 6cm > 2cm			
			Pebble < 2cm			
2.0			Woody debris > 7.5cm	Slope: 0°		
			Debris > 1cm < 7.5cm			
	10%	<del>30%</del>	Debris < 1cm			
			Shrub			
			Tree sp.	girth	Ht.	
	2.5			Forb <i>Sphralcea coc.</i>		
		1.8	<del>10%</del>	Grass <sup>2</sup> <del>2</del> <sup>6</sup> <del>6 <sup>1</sup> <del>1</del></del>	<del>Stipa</del> <del>B. cont.</del> <del>B. eri.</del>	
59%		<del>10%</del>	Cryptogam	Lichen <sup>4%</sup> <del>4%</del> (SQV)		
			Moss	Algae	BUC <sup>1%</sup> <del>1%</del>	
			Rock > 6cm	Soil		
			Stone < 6cm > 2cm			
			Pebble < 2cm			
2.5			Woody debris > 7.5cm	Slope: 0°		
			Debris > 1cm < 7.5cm			
	6%	<del>30%</del>	Debris < 1cm			
			Shrub			
			Tree sp.	girth	Ht.	
	2.5			Forb <i>Sphralcea coc.</i>		
		1.6	<del>10%</del>	Grass <sup>7</sup> <del>7</del> <sup>1</sup> <del>1 <sup>1.5</sup> <del>1.5</del></del>	<del>Stipa</del> <del>B. cont.</del> <del>B. eri.</del>	
29%		<del>10%</del>	Cryptogam	Lichen <sup>8%</sup> <del>8%</del> (SQV)		
			Moss	Algae	BUC <sup>8%</sup> <del>8%</del>	
			Rock > 6cm	Soil		
			Stone < 6cm > 2cm			
			Pebble < 2cm			
2.5			Woody debris > 7.5cm	Slope: 0°		
			Debris > 1cm < 7.5cm			
	1.6	<del>10%</del>	Debris < 1cm			
		Shrub				
		Tree sp.	girth	Ht.		



Line no: 1

Bearing:

Date:

Name:

%		quad			
3.0	.1	<del>20</del>	Forb	Sphralca coc.	
	4.4	<del>100</del>	Grass	2.5 <del>100</del> B. (hr) <del>100</del> B. grac. <del>100</del> B. eri. <del>100</del> B. curd.	
	2	<del>100</del>	Cryptogam	Lichen <del>100</del>	Moss <del>100</del> Algae <del>100</del> BUC <del>100</del>
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		<del>100</del> Bg
			Pebble < 2cm		100 skat
			Woody debris > 7.5cm		
			Debris > 1cm < 7.5cm		
	11	<del>36</del> <del>100</del>	Debris < 1cm	Slope: 0°	
			Shrub		
			Tree sp.	girth	Ht.
3.5	.1	<del>100</del>	Forb	Sphralca coc.	
	<del>100</del>		Grass	<del>100</del> B. eri. <del>100</del> B. grac. <del>100</del> B. eri.	
	4	<del>100</del>	Cryptogam	Lichen <del>100</del>	Moss <del>100</del> Algae <del>100</del> BUC <del>100</del>
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		<del>100</del> Bg
			Pebble < 2cm		
			Woody debris > 7.5cm		
			Debris > 1cm < 7.5cm		
	4	<del>100</del>	Debris < 1cm	Slope: 0°	
			Shrub		
			Tree sp.	girth	Ht.
4.0	.1	<del>100</del>	Forb	Sphralca coc.	
	2.0	<del>100</del>	Grass	<del>100</del> B. eri. <del>100</del> B. grac. <del>100</del> B.	
	.3	<del>100</del>	Cryptogam	Lichen <del>100</del>	Moss <del>100</del> Algae <del>100</del> BUC <del>100</del>
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		<del>100</del> Bg
			Pebble < 2cm		
			Woody debris > 7.5cm		
			Debris > 1cm < 7.5cm		
	.6	<del>20</del> <del>100</del>	Debris < 1cm	Slope: 0°	
			Shrub		
			Tree sp.	girth	Ht.

Line no: | Bearing: Date: Name:

% quad				
4.5	<del>1.1</del>	Forb	<i>Spharalea coc.</i>	
	<del>3.3</del>	Grass	<del>1.7</del> <i>B. grac.</i> <del>1.5</del> <i>B. eri.</i>	
	<del>1.4</del>	Cryptogam	Lichen	
			Moss	Algae BUC
			Rock > 6cm	Soil <del>1.7</del> <i>B. g.</i>
			Stone < 6cm > 2cm	
			Pebble < 2cm	
	<del>1.5</del>	<del>1.7</del>	Woody debris > 7.5cm	Slope: 0°
		Debris > 1cm < 7.5cm		
		Debris < 1cm		
		Shrub		
		Tree sp.	girth	Ht.
5.0	<del>2.1</del>	Forb	<i>Composite</i>	
	<del>3.5</del>	Grass	<del>1.4</del> <i>B. eri.</i> <del>1.9</del> <i>B. grac.</i>	
	<del>1.4</del>	Cryptogam	Lichen	
			Moss	Algae BUC
			Rock > 6cm	Soil <del>1.9</del> <i>B. g.</i>
			Stone < 6cm > 2cm	
			Pebble < 2cm	
	<del>1.0</del>	<del>1.7</del>	Woody debris > 7.5cm	Slope: 0°
		Debris > 1cm < 7.5cm		
		Debris < 1cm		
		Shrub		
		Tree sp.	girth	Ht.
5.5	<del>1.1</del>	Forb	<i>Spharalea coc.</i> <del>2.1</del> <i>(MID)</i>	
	<del>2.8</del>	Grass	<del>3.0</del> <i>B. eri.</i> <del>3.0</del> <i>B. cur.</i>	
	<del>2.5</del>	Cryptogam	Lichen	
			Moss	Algae <del>1.7</del> <i>Nostoc</i> BUC <del>1.4</del>
			Rock > 6cm	Soil <del>1.7</del>
			Stone < 6cm > 2cm	
			Pebble < 2cm	
	<del>1.8</del>	<del>1.7</del>	Woody debris > 7.5cm	Slope: 0°
		Debris > 1cm < 7.5cm		
		Debris < 1cm		
		Shrub		
		Tree sp.	girth	Ht.

Line no: 1

Bearing:

Date:

Name:

%		quad			
6.0	1.2	90	Forb	Sphaerocarpos coc., 1/90 Cactus (seedling)	
	5	12	Grass	B. eri.	
	2.5	10	Cryptogam	Lichen	
				Moss	Algae BUC
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		
			Pebble < 2cm		
9	3	90	Woody debris > 7.5cm	Slope: 0°	
			Debris > 1cm < 7.5cm		
			Debris < 1cm		
			Shrub		
			Tree sp.	girth	Ht.
6.5	1	1	Forb	Sphaerocarpos coc.	
	2.3	10	Grass	B. eri. B. Curt.	
	2	10	Cryptogam	Lichen	
				Moss	Algae BUC
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		
			Pebble < 2cm		
5	12	90	Woody debris > 7.5cm	Slope: 0°	
			Debris > 1cm < 7.5cm		
			Debris < 1cm		
			Shrub		
			Tree sp.	girth	Ht.
7.0	1	1	Forb		
	8	90	Grass	Sphaerocarpos coc. B. eri. B. Curt.	
	2	10	Cryptogam	Lichen	
				Moss	Algae BUC
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		
			Pebble < 2cm		
5	20	90	Woody debris > 7.5cm	Slope: 0°	
			Debris > 1cm < 7.5cm		
			Debris < 1cm		
			Shrub		
			Tree sp.	girth	Ht.

Line no: 00 Bearing: *North* Date: Name:

% quad				
7.5	∅	Forb		
	5.1 <del>13%</del>	Grass	<i>2.9% B. Curt.</i>	<i>10% B. eri.</i>
	2.5 <del>8%</del>	Cryptogam Moss	Lichen	Algae BUC
	∅	Rock > 6cm	Stone < 6cm > 2cm	Pebble < 2cm
	∅	Soil		
	∅	Woody debris > 7.5cm	Debris > 1cm < 7.5cm	Debris < 1cm
	12 <del>4%</del>	Slope: 0°		
∅	Shrub			
∅	Tree sp.	girth	Ht.	
8.0	∅	Forb	<i>2.1% Spharalcae esp., 4.1% estrog?</i>	
	6 <del>15%</del>	Grass	<i>4.9% 4 Stipa</i>	<i>2.9% B. Curt.</i>
	5 <del>35%</del>	Cryptogam Moss	Lichen	Algae BUC
	∅	Rock > 6cm	Stone < 6cm > 2cm	Pebble < 2cm
	∅	Soil		
	∅	Woody debris > 7.5cm	Debris > 1cm < 7.5cm	Debris < 1cm
	15 <del>3%</del>	Slope: 5°		
∅	Shrub			
∅	Tree sp.	girth	Ht.	
8.5	∅	Forb	<i>4.2% Spharalcae esp., 4.1% estrog</i>	
	2.5 <del>13%</del>	Grass	<i>2.5% Stipa</i>	<i>5.9% B. eri.</i>
	2.5 <del>75%</del>	Cryptogam Moss	Lichen	Algae BUC
	∅	Rock > 6cm	Stone < 6cm > 2cm	Pebble < 2cm
	∅	Soil		
	∅	Woody debris > 7.5cm	Debris > 1cm < 7.5cm	Debris < 1cm
	15 <del>38%</del>	Slope: 5°		
∅	Shrub			
∅	Tree sp.	girth	Ht.	

down slope starts

*Stipa No. 100*

*10% Bg*

*10% Bg*

*45% Bg*

Line no: [17] Bearing: Date: Name: JARL/LMP

% quad				
9.0	1	Forb	spherococ.	
	5.0	Grass	2.5 Stipa, 2.5 B. eri.	
	1	Cryptogam Moss	Lichen	Algae 1% BUC 5%
	2	Rock >6cm Stone <6cm>2cm Pebble <2cm	Soil	29% Bg
	15	Woody debris >7.5cm Debris >1cm<7.5cm Debris <1cm	Slope: 5°	
		Shrub		
		Tree sp.	girth	Ht.
9.5	<1%	Forb	spherococ.	
	18%	Grass	1% Stipa, 1% B. eri, 1% B. gras	
	2.5	Cryptogam Moss	Lichen	Algae .2 Nostoc BUC
		Rock >6cm Stone <6cm>2cm Pebble <2cm	Soil	42% Bg
	1.4	Woody debris >7.5cm Debris >1cm<7.5cm Debris <1cm	Slope: 5°	
		Shrub		
		Tree sp.	girth	Ht.
10.0	<1	Forb	unid	
	2.3	Grass	2% Stipa, 2% Aristida, 2% B. gras	
	2.3	Cryptogam Moss	Lichen	Algae BUC 7%
		Rock >6cm Stone <6cm>2cm Pebble <2cm	Soil	bg. 32%
	5	Woody debris >7.5cm Debris >1cm<7.5cm Debris <1cm	Slope: 5°	
		Shrub		
		Tree sp.	girth	Ht.

Line no: [17] Bearing: Date: Name:

% quad				
10 .5	∅	Forb		
	2.2	Grass	1% Stipa	1% b. gra.
	1	Cryptogam	Lichen 2	Moss ∅ Algae ∅ BUC 12 .8
	6	Rock > 6cm	Soil	44% bg
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	6	Woody debris > 7.5cm	Slope: 5%	
	∅	Debris > 1cm < 7.5cm		
	30	Debris < 1cm		
	∅	Shrub		
	∅	Tree sp.	girth	Ht.
11 .0	∅	Forb		
	2.5	Grass	1.5% Stipa	1% Bou gra
	1	Cryptogam	Lichen 2	Moss ∅ Algae ∅ BUC 8 .8
	∅	Rock > 6cm	Soil	25% bg
	∅	Stone < 6cm > 2cm		
	.3	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope:	
	∅	Debris > 1cm < 7.5cm		
	20	Debris < 1cm		
	∅	Shrub		
	∅	Tree sp.	girth	Ht.
11 .5	∅	Forb	Spiral. coc.	
	7	Grass	6% Stipa	3% Bou gra.
	2.5	Cryptogam	Lichen	Moss ∅ Algae ∅ BUC
	∅	Rock > 6cm	Soil	62.5% bg
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: 5%	
	∅	Debris > 1cm < 7.5cm		
	20	Debris < 1cm		
	/	Shrub		
	/	Tree sp.	girth	Ht.

Line no: 17

Bearing:

Date:

Name:

% quad

NOTE  
Aris =  
Stipa?

12 .0

0.1

Forb *Splachnaceae*

Grass 0.1% <sup>Stipa</sup> ~~Aris~~ 1.5% gracilis 0.5 hirsuta

5%

Cryptogam Lichen Moss Algae BUC 4%

0 Rock > 6cm  
0 Stone < 6cm > 2cm  
0.1 Pebble < 2cm

Soil bg 80%

0 Woody debris > 7.5cm  
0 Debris > 1cm < 7.5cm  
15 Debris < 1cm

Slope: 5%

0 Shrub

0 Tree sp. girth Ht.

11 .5

0.1

Forb *Astragalus*

3.5 Grass 0.5 <sup>Stipa</sup> ~~Aris~~ 3% Bow gra.

5% Cryptogam Lichen Moss Algae BUC ✓

0.9  
- Rock > 6cm  
- Stone < 6cm > 2cm  
- Pebble < 2cm

Soil bg 80%

11  
- Woody debris > 7.5cm  
- Debris > 1cm < 7.5cm  
- Debris < 1cm

Slope: 5%

Shrub

Tree sp. girth Ht.

13 .0

0.1

Forb *Splachn.*

6 Grass 1% <sup>Stipa</sup> ~~Aris~~ 5% Bow gra.

4% Cryptogam Lichen / Moss Algae BUC 3

0.6  
0 Rock > 6cm  
0 Stone < 6cm > 2cm  
0 Pebble < 2cm

Soil bg 78%

12  
0 Woody debris > 7.5cm  
0 Debris > 1cm < 7.5cm  
0 Debris < 1cm

Slope: 5%

0 Shrub

0 Tree sp. girth Ht.

Line no: [1] Bearing: Date: Name:

% quad		Debris = grass			
13 .5	0.1	Forb Spheral.			
	6.5	Grass	1.5 <sup>Stipa</sup> <del>Ariz.</del>	5% Bougra	
	4	Cryptogam	Lichen & Moss	Algae BUC 2	
	0.2	Rock >6cm Stone <6cm>2cm Pebble <2cm	Soil — <span style="float: right;">~77.3 bg</span>		
	1.2	Woody debris >7.5cm Debris >1cm<7.5cm Debris < 1cm	Slope: 5°		
	∅	Shrub			
	∅	Tree sp.	girth	Ht.	
	14 .0	∅	Forb		
		4	Grass	10% <sup>Stipa</sup> <del>Ariz.</del>	3% Bougra
		3	Cryptogam	Lichen & Moss	Algae BUC 3
0.4 0.1		Rock >6cm Stone <6cm>2cm Pebble <2cm	Soil — <span style="float: right;">82.5 bg</span>		
1.0		Woody debris >7.5cm Debris >1cm<7.5cm Debris < 1cm	Slope:		
∅		Shrub			
∅		Tree sp.	girth	Ht.	
.5		∅	Forb		
		3.5	Grass	1.5 <sup>Stipa</sup> <del>Ariz.</del>	2 Bougra
		3	Cryptogam	Lichen & Moss	Algae BUC 3
	— —	Rock >6cm Stone <6cm>2cm Pebble <2cm	Soil — <span style="float: right;">79.52bg</span>		
	1.4	Woody debris >7.5cm Debris >1cm<7.5cm Debris < 1cm	Slope: 5°		
	∅	Shrub			
	∅	Tree sp.	girth	Ht.	



Line no:

[1]

Bearing:

Date:

Name:

		% quad			
			Debris = grass		
15 .0	0.1	Forb	Thelesperma mega?		
	6.5	Grass	4 Stipa. 2.5 Bou gra.		
	9	Cryptogam	Lichen Moss	Algae	BUC/Lichen
	—	Rock >6cm	Soil	74.4 %	
	—	Stone <6cm>2cm			
	—	Pebble <2cm			
	—	Woody debris >7.5cm	Slope:		
	—	Debris >1cm<7.5cm			
	10	Debris < 1cm			
	∅	Shrub			
∅	Tree sp.	girth	Ht.		
15.5	∅	Forb			
	5.5	Grass	0.5 Stipa. 4% B. gra 12B cart		
	3	Cryptogam	Lichen Moss	Algae	BUC
	—	Rock >6cm	Soil	79%	
	—	Stone <6cm>2cm			
	—	Pebble <2cm			
	—	Woody debris >7.5cm	Slope:		
	—	Debris >1cm<7.5cm			
	12.5	Debris < 1cm			
	—	Shrub			
—	Tree sp.	girth	Ht.		
16 .0	∅	Forb			
	8	Grass	4% Stipa 4% Bou gra		
	5	Cryptogam	Lichen <sup>Squ</sup> Moss	Algae	BUC
	○	Rock >6cm	Soil	72.6%	
	○	Stone <6cm>2cm			
	○	Pebble <2cm			
	○	Woody debris >7.5cm	Slope: 50		
	○	Debris >1cm<7.5cm			
	15	Debris < 1cm			
	○	Shrub			
○	Tree sp.	girth	Ht.		

Line no: [7] Bearing: Date: Name:

% quad		Debris = 1/2 gra <sup>s</sup> litter		
16 .5	∅	Forb		
	12%	Grass	10% Stipa	2.5% Bon gra
	5	Cryptogam Moss	Lichen	Algae BUC / Lichen
	∅	Rock > 6cm	Soil	78% Bg
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope:	
	∅	Debris > 1cm < 7.5cm		
10	Debris < 1cm			
∅	Shrub			
∅	Tree sp.	girth	Ht.	
17 .0	∅	Forb		
	4%	Grass	1.5% Stipa	2.5% B. gra.
	3%	Cryptogam Moss	Lichen	Algae BUC / Lichen
	∅	Rock > 6cm	Soil -	Bg 84.5%
	∅	Stone < 6cm > 2cm		
	.5	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: 5	
	∅	Debris > 1cm < 7.5cm		
8	Debris < 1cm			
	Shrub			
	Tree sp.	girth	Ht.	
17 .5	0.1%	Forb	Lunaria excelsa	
	5	Grass	2.5% Stipa	2.5% Bon gra
	3	Cryptogam Moss	Lichen	Algae BUC / Lichen
	∅	Rock > 6cm	Soil	Bg 82.5%
	.3	Stone < 6cm > 2cm		
	.3	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope:	
	∅	Debris > 1cm < 7.5cm		
9	Debris < 1cm			
∅	Shrub			
∅	Tree sp.	girth	Ht.	

Line no:

[17]

Bearing:

Date:

Name:

% quad		Debris = grass		
18.0	∅	Forb		
	4	Grass	0.5 Stipa	3.5 Bon gra.
	2	Cryptogam	Lichen Moss	Algae BUC/Lichen
	∅	Rock > 6cm	Soil	84%
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope:	
	∅	Debris > 1cm < 7.5cm		
10	Debris < 1cm			
	Shrub			
	Tree sp.	girth	Ht.	
18.5	∅	Forb		
		Grass	0.5 Stipa	4% Bon G
	2.5	Cryptogam	Lichen Moss	Algae BUC/Lichen
	∅	Rock > 6cm	Soil	
	∅	Stone < 6cm > 2cm		
	.2	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: 5	
	∅	Debris > 1cm < 7.5cm		
8	Debris < 1cm			
	Shrub			
	Tree sp.	girth	Ht.	
19.0	0.2	Forb Weed		
	5%	Grass	2.4 Bon hir.	2.5 Bon gra. 0.1 Bon curt
	1.5	Cryptogam	Lichen Moss	Algae BUC
	∅	Rock > 6cm	Soil	bg 87.3
	0.5	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: 2°	
	∅	Debris > 1cm < 7.5cm		
6	Debris < 1cm			
	Shrub			
	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

19.5	0.2	Forb unid (as n 2 quads before)		
	3.5	Grass 0.4 Stipa 3 Bgra 0.1 Bcut		
	32	Cryptogam Lichen Moss Algae BUC / Lichen		
	∅	Rock > 6cm	Soil	
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: 12	
	∅	Debris > 1cm < 7.5cm		
	10	Debris < 1cm		
	0	Shrub		
	0	Tree sp. girth	Ht.	
20.0	∅	Forb unid		
	2.9	Grass 0.4 Stipa 2.5 Bougra		
	5	Cryptogam Lichen Moss Algae BUC / Lichen		
	∅	Rock > 6cm	Soil	bg
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: < 12	
	∅	Debris > 1cm < 7.5cm		
	9	Debris < 1cm		
	∅	Shrub		
	∅	Tree sp. girth	Ht.	
20.5	∅	Forb		
	4	Grass 4 Bougra		
	5%	Cryptogam Lichen Moss Algae BUC / Lichen		
	∅	Rock > 6cm	Soil	bg
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: < 12	
	∅	Debris > 1cm < 7.5cm		
	8	Debris < 1cm		
		Shrub		
		Tree sp. girth	Ht.	

2/4

Line no:

Bearing:

Date:

Name:

% quad

22.5	Forb	Spheral. 0.1 Opuntia polyacanth. 1/6	Thelasp. naga 0.1 Echinocereus spec 1.5%	
	Grass	0.5 STpa.	2.5 Bou gra.	
1.5	Cryptogam	Lichen	Algae	BUC/Lichen
		Moss		
∅	Rock > 6cm	Soil		
∅	Stone < 6cm > 2cm			
∅	Pebble < 2cm			
∅	Woody debris > 7.5cm	Slope: < 1%		
2	Debris > 1cm < 7.5cm	open		
18	Debris < 1cm	grass		
∅	Shrub			
∅	Tree sp.	girth	Ht.	
23.0	Forb	Spheral.		
4%	Grass	4% Bou gra.		
1%	Cryptogam	Lichen	Algae	BUC
		Moss		
∅	Rock > 6cm	Soil		
∅	Stone < 6cm > 2cm			
∅	Pebble < 2cm			
∅	Woody debris > 7.5cm	Slope:		
0.8	Debris > 1cm < 7.5cm			
12	Debris < 1cm			
∅	Shrub			
∅	Tree sp.	girth	Ht.	
23.5	Forb	0.3 Cacti open (umb)	seedling	
	Grass	4.1 bou gra.		
0.2	Cryptogam	Lichen	Algae	BUC
		Moss		
∅	Rock > 6cm	Soil		
0.2	Stone < 6cm > 2cm			
0.1	Pebble < 2cm			
∅	Woody debris > 7.5cm	Slope: 0°		
∅	Debris > 1cm < 7.5cm			
6	Debris < 1cm	grass		
	Shrub			
	Tree sp.	girth	Ht.	

into  
of range  
23.0  
↓

Line no:                      Bearing:                      Date:                      Name:

	% quad			
		Debris = gravel		
21.0	0.1	Forb	Spheral.	
	4.1	Grass	3 Boug	0.1. Stupa 1. Ban cut
	1	Cryptogam	Lichen	Algae
			Moss	(BUC)
	<del>0.3</del>	Rock > 6cm	Soil	
		Stone < 6cm > 2cm		
		Pebble < 2cm	bg.	
	10	Woody debris > 7.5cm	Slope: < 1	
		Debris > 1cm < 7.5cm		
		Debris < 1cm		
	<del>0</del>	Shrub		
	<del>0</del>	Tree sp.	girth	Ht.
21.5	0.1	Forb	Happlopappus (gravel)	
	3.5	Grass	3.5	Bou gra.
	4	Cryptogam	Lichen	Algae
			Moss	BUC / lichen
	<del>0</del>	Rock > 6cm	Soil	
		Stone < 6cm > 2cm		
		Pebble < 2cm	bg.	
	11	Woody debris > 7.5cm	Slope: < 1	
		Debris > 1cm < 7.5cm		
		Debris < 1cm		
	<del>0</del>	Shrub		
	<del>0</del>	Tree sp.	girth	Ht.
22.0	0.3	Forb	Happlopappus 0.2 Spheral 0.1	
	2.5	Grass	2.5	Bou gra.
	2	Cryptogam	Lichen / BUC	Algae
			Moss	BUC
	<del>0</del>	Rock > 6cm	Soil	
		Stone < 6cm > 2cm		
		Pebble < 2cm		
	13	Woody debris > 7.5cm	Slope: < 1	
		Debris > 1cm < 7.5cm		
		Debris < 1cm		
		Shrub		
		Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
24	.0	∅	Forb	
	2.5		Grass <i>Bou gra</i>	
	0.5		Cryptogam Lichen/Buc Moss Algae BUC	
	0		Rock > 6cm	Soil
	0		Stone < 6cm > 2cm	
	0		Pebble < 2cm	
	0		Woody debris > 7.5cm	Slope:
	0		Debris > 1cm < 7.5cm	
5		Debris < 1cm		
	0		Shrub	
	0		Tree sp.	girth Ht.
24	.5	∅	Forb	
	1.5		Grass <i>Bou gra</i> 0.1 <i>shae</i>	
	1/2		Cryptogam Lichen/Buc Moss Algae BUC	
	0		Rock > 6cm	Soil
	0		Stone < 6cm > 2cm	
	0		Pebble < 2cm	
	0		Woody debris > 7.5cm	Slope:
	0.2		Debris > 1cm < 7.5cm <i>wood</i>	
4		Debris < 1cm		
			Shrub	
			Tree sp.	girth Ht.
25	.0	0.1	Forb <i>Astrag + ? (sanited)</i>	
		3.5	Grass <i>Bou gra</i>	
		0.3	Cryptogam Lichen Moss Algae BUC	
		∅	Rock > 6cm	Soil
		∅	Stone < 6cm > 2cm	
		∅	Pebble < 2cm	
		∅	Woody debris > 7.5cm	Slope: <i>neg</i>
		∅	Debris > 1cm < 7.5cm	
	10	Debris < 1cm		
		∅	Shrub	
		∅	Tree sp.	girth Ht.

Line no: 1

Bearing:

Date:

Name:

	% quad			
25.5	0.1	Forb ? (sampled in 25)	Gutierrezia	
	77	Grass	Aris. longi 5% Bon gra. 2%	
	0.5	Cryptogam Moss	Lichen Algae	(BUC)
	0	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	bg
	0	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: Ny.	
	0	Shrub		
	0	Tree sp.	girth	Ht.
26.0	1%	Forb (sampled)		
	3.5	Grass	3.5% Bon gra.	
	0.2	Cryptogam Moss	Lichen Algae	(BUC)
	0	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	bg
	0	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: Neq	
	1	Shrub		
	1	Tree sp.	girth	Ht.
26.5	2.5	Forb	Maple 2% Rosette comp	0.5 (sample in 2 m)
	2.8	Grass	Bon gra.	
	0.2	Cryptogam Moss	Lichen Algae	(BUC)
	0	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	0	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.



Line no:                      Bearing:                      Date:                      Name:

%		quad			
27.0	0.1	Forb	Sphard.		
	3	Grass	Bou gra		
	2.5	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		unclear
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0.5	Woody debris > 7.5cm			Slope: Wg
7.0	Debris > 1cm < 7.5cm	Wood			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
27.5	0	Forb			
	5	Grass	Bou gra		
	1	Cryptogam	Lichen / BUC	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		
	0	Stone < 6cm > 2cm			
	0.2	Pebble < 2cm			
	0	Woody debris > 7.5cm			Slope:
0	Debris > 1cm < 7.5cm				
10	Debris < 1cm	grass			
		Shrub			
		Tree sp.	girth	Ht.	
28.0	0.1	Forb	Astry.		
	5	Grass	Bou gra		
	0.1	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			Slope: Wg
0	Debris > 1cm < 7.5cm				
120	Debris < 1cm				
		Shrub			
		Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

28.5	0.1	Forb	<i>Happlo gra</i>		
	4	Grass	<i>Bou gra</i>		
	0.1	Cryptogam	Lichen	Algae	BUC
			Moss		
		0	Rock > 6cm	Soil	
		0	Stone < 6cm > 2cm		
		0	Pebble < 2cm		
		0	Woody debris > 7.5cm	Slope:	
		0	Debris > 1cm < 7.5cm		
		10	Debris < 1cm		
			Shrub		
			Tree sp.	girth	Ht.
29.0	0.1	Forb	<i>Astrag</i>		
	6	Grass			
	∅	Cryptogam	Lichen	Algae	BUC
			Moss		
		0	Rock > 6cm	Soil	
		0	Stone < 6cm > 2cm		
		0.1	Pebble < 2cm		
		0	Woody debris > 7.5cm	Slope:	
		0	Debris > 1cm < 7.5cm		
		7.5	Debris < 1cm		
		0	Shrub		
		0	Tree sp.	girth	Ht.
29.5	∅	Forb			
	6	Grass	<i>Bou gra</i>		
	2.5	Cryptogam	Lichen (Buc)	Algae	BUC
			Moss		
		0	Rock > 6cm	Soil	
		0	Stone < 6cm > 2cm		
		0	Pebble < 2cm		
		0	Woody debris > 7.5cm	Slope:	
		0	Debris > 1cm < 7.5cm		
		10	Debris < 1cm		
		0	Shrub		
		0	Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
30.0	0.1	Forb <i>Opuntia</i> seedling		
	7	Grass <i>Bou gra</i>		
	2.5	Cryptogam Lichen 2 Moss	Algae	BUC 0.5
	—	Rock > 6cm	Soil	
	—	Stone < 6cm > 2cm		
	—	Pebble < 2cm	Slope: Neg	
	—	Woody debris > 7.5cm		
12	Debris > 1cm < 7.5cm Debris < 1cm			
		Shrub		
		Tree sp.	girth	Ht.
30.5	∅	Forb		
	12.5	Grass <i>Bou gra</i>		
	0	Cryptogam Lichen Moss	Algae	BUC
	0	Rock > 6cm	Soil	bg 40%
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm	Slope:	
	0	Woody debris > 7.5cm		
47.5	Debris > 1cm < 7.5cm Debris < 1cm <i>grass</i>			
		Shrub		
		Tree sp.	girth	Ht.
31.0	∅	Forb		
	5	Grass <i>Bou gra</i>		
	∅	Cryptogam Lichen Moss	Algae	BUC
	∅	Rock > 6cm	Soil	
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm	Slope: Neg	
	∅	Woody debris > 7.5cm		
12.5	Debris > 1cm < 7.5cm <i>Opuntia</i> Debris < 1cm <i>grass</i>			
		Shrub		
		Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

% quad

31.5	0.3	Forb (taken comp) Astrag.			
	2.5	Grass Sit hys 1.5 Bou gra 1			
	4	Cryptogam Lichen Moss	Algae	BUC	
	—	Rock > 6cm	Soil (Dead) Op. imbricata Part chie off line		
	—	Stone < 6cm > 2cm			
	—	Pebble < 2cm			
	8 35 5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:		
		Shrub			
		Tree sp.	girth	Ht.	
32.0	0.1	Forb und seedling Astrag.			
	2	Grass Sit hys 1.5 Bou gra 1.2			
	4	Cryptogam Lichen Moss	Algae	BUC	
	—	Rock > 6cm	Soil Dead op. imbr. bg		
	—	Stone < 6cm > 2cm			
	—	Pebble < 2cm			
	30 35 15	Woody debris > 7.5cm <sup>opente</sup> Debris > 1cm < 7.5cm Debris < 1cm	Slope:		
		Shrub			
		Tree sp.	girth	Ht.	
32.5	0.1	Forb cactus seedling Opun.			
	10	Grass Bou gra. und grass 0.12			
	0.2	Cryptogam Lichen/Buc Moss	Algae	BUC	
	8 8 5	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil bg		
	4 5 7.5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm			
		Slope: Ny			
	0	Shrub			
	0	Tree sp.	girth	Ht.	

Line no: 1

Bearing: North

Date: 7/25/93

Name: SARL/LMP

% quad

33 + 0.0

50%  
neg in  
Moss  
but def  
drainage

0	Forb			
3.0%	Grass	3. B. grass		
2%	Cryptogam	Lichen	Algae	BUC
0	Rock > 6cm		Soil	Bq
0	Stone < 6cm > 2cm			
0	Pebble < 2cm			
12.5%	Woody debris > 7.5cm		Slope: 0°	
0	Debris > 1cm < 7.5cm			
0	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	

33 + 0.5

0	Forb			
2%	Grass	2 B. grass		
0	Cryptogam	Lichen	Algae	BUC
0	Rock > 6cm		Soil	
0	Stone < 6cm > 2cm			
0	Pebble < 2cm			
0	Woody debris > 7.5cm		Slope: 0°	
3%	Debris > 1cm < 7.5cm			
6%	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	

33 + 1.0

0	Forb			
2.5%	Grass	2.5 B. grass		
0	Cryptogam	Lichen	Algae	BUC
0	Rock > 6cm		Soil	Bq
0	Stone < 6cm > 2cm			
0	Pebble < 2cm			
0	Woody debris > 7.5cm		Slope: 0°	
0	Debris > 1cm < 7.5cm			
6%	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

33+1.5

5%

Forb

5% *Opuntia* spp.

3%

Grass

3% *B. grass*

1%

Cryptogam

Lichen *SQU/BUC*

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

3.5%

Woody debris &gt; 7.5cm

Debris &gt; 1cm &lt; 7.5cm (low density)

8%

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+2.0

0.1%

Forb

.1 *Opuntia*

3%

Grass

3% *B. grass*

1.5

Cryptogam

Lichen

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

9

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+2.5

3

Forb

.1 *Sarcobatus* spp.

.1 piñon seedling

.1 *Commelina*

2.3

Grass

.5 *Sit. Asp.*1.8 *B. grass*

5

Cryptogam

Lichen

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

20%

Woody debris &gt; 7.5cm

5%

Debris > 1cm < 7.5cm *Opuntia*

Debris &lt; 1cm

Slope:

*Opuntia* imb. canopy

0

Shrub

0

Tree sp.

girth

Ht.

Line no:                      Bearing:                      Date:                      Name:

		% quad				
33 + 3.0	1.2	Forb	11 Sol. elag.	1 Rubackia	0.2 Commelina	
	1.0%	Grass		.5 B. gras.	.5 St. hyp.	
	1%	Cryptogam	Lichen			
			Moss	Algae	BUC	
	∅	Rock > 6cm	Soil			
	∅	Stone < 6cm > 2cm	Bg			
	∅	Pebble < 2cm				
∅	Woody debris > 7.5cm	Opuntia emb. canopy				
14%	Debris > 1cm < 7.5cm					
4%	Debris < 1cm	Slope: 0°				
∅	Shrub					
∅	Tree sp.	girth	Ht.			
33 + 3.5	1.9%	Forb	1 Sphalrae coc.	0.1 Commelina		
	2.0%	Grass		2 B. gras.		
	1%	Cryptogam	Lichen			
			Moss	Algae	BUC	
	∅	Rock > 6cm	Soil			
	∅	Stone < 6cm > 2cm	Bg			
	∅	Pebble < 2cm				
∅	Woody debris > 7.5cm	Opuntia emb.				
1%	Debris > 1cm < 7.5cm					
3.5%	Debris < 1cm	Slope: 0°				
∅	Shrub					
∅	Tree sp.	girth	Ht.			
33 + 4.0	1%	Forb	1 Sphalrae coc.	0.5 UNID		
	4%	Grass		4 B. gras.		
	2%	Cryptogam	Lichen			
			Moss	Algae	BUC	
	∅	Rock > 6cm	Soil			
	∅	Stone < 6cm > 2cm	Bg			
	∅	Pebble < 2cm				
∅	Woody debris > 7.5cm	Slope: 0°				
∅	Debris > 1cm < 7.5cm					
6%	Debris < 1cm					
∅	Shrub					
∅	Tree sp.	girth	Ht.			

Line no:

Bearing:

Date:

Name:

% quad

33+4.5	2.6%	Forb	2.5 Quat Sac	1 UNID	
	1.5	Grass	1.5 B. grass		
	2%	Cryptogam	Lichen	Algae	BUC
			Moss		
		Rock > 6cm		Soil	Bq
		Stone < 6cm > 2cm			
		Pebble < 2cm			
		Woody debris > 7.5cm		Slope: 0°	
		Debris > 1cm < 7.5cm			
	5%	Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
33+5.0	1.6	Forb	1. onigerum	1.5 Quat Sac	
	1.3	Grass	1.3 B. grass		
	1.5%	Cryptogam	Lichen	Algae	BUC
			Moss		
		Rock > 6cm		Soil	Bq
		Stone < 6cm > 2cm			
		Pebble < 2cm			
		Woody debris > 7.5cm		Slope: 0°	
		Debris > 1cm < 7.5cm			
	5%	Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
33+5.5	.1	Forb	1. Cirsium seedling		
	1.5	Grass	1.5 B. grass		
	1.7%	Cryptogam	Lichen	Algae	BUC
			Moss		
		Rock > 6cm		Soil	
		Stone < 6cm > 2cm			
		Pebble < 2cm			
		Woody debris > 7.5cm		Slope:	
		Debris > 1cm < 7.5cm			
	5%	Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	



Line no:

Bearing:

Date:

Name:

% quad

33 + 6 .0

0	Forb				
2	Grass	1 B. grass	1 Hil. jam.		
1.5%	Cryptogam	Lichen		Algae	BUC
	Moss				
0	Rock > 6cm			Soil	Bq
0	Stone < 6cm > 2cm				
0	Pebble < 2cm				
0	Woody debris > 7.5cm			Slope: 0°	
0	Debris > 1cm < 7.5cm				
6%	Debris < 1cm				
0	Shrub				
0	Tree sp.		girth		Ht.
33 + 6 .5	Forb	1 cr			
1.6	Grass	.6 Hil. jam.	1 B. grass.		
1.3	Cryptogam	Lichen		Algae	BUC
	Moss				
0	Rock > 6cm			Soil	Bq
0	Stone < 6cm > 2cm				
0	Pebble < 2cm				
0	Woody debris > 7.5cm			Slope: 0°	
3%	Debris > 1cm < 7.5cm	open emb.			
8%	Debris < 1cm				
0	Shrub				
0	Tree sp.		girth		Ht.
33 + 7.0	Forb	1 lanc eri	1 sol clay		
2.2	Grass	.5 B. grass	1.7 Hil jam.		
1%	Cryptogam	Lichen		Algae	BUC
	Moss				
0	Rock > 6cm			Soil	Bq
0	Stone < 6cm > 2cm				
0	Pebble < 2cm				
0	Woody debris > 7.5cm			Slope: 0°	
0	Debris > 1cm < 7.5cm				
8	Debris < 1cm				
0	Shrub				
0	Tree sp.		girth		Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+7.5

1	Forb	1 <i>Leuc. eri.</i>
2	Grass	1 <i>B. grass</i> 1 <i>Hil. jam.</i>
.5	Cryptogam Moss	Lichen Algae BUC

0	Rock > 6cm	Soil
0	Stone < 6cm > 2cm	
0	Pebble < 2cm	

0	Woody debris > 7.5cm	Slope: 0°
0	Debris > 1cm < 7.5cm	
30	Debris < 1cm ( <i>grass</i> )	

0 Shrub

0 Tree sp. girth Ht.

Bz

33+8.0

1	Forb	1 <i>Leuc. eri.</i>
2	Grass	2 <i>B. grass</i>
2	Cryptogam Moss	Lichen Algae BUC

0	Rock > 6cm	Soil
0	Stone < 6cm > 2cm	
0	Pebble < 2cm	

0	Woody debris > 7.5cm	Slope: 0°
0	Debris > 1cm < 7.5cm	
10	Debris < 1cm	

0 Shrub

0 Tree sp. girth Ht.

Bz

33+8.5

1	Forb	1 <i>Leuc. eri.</i>
2	Grass	2 <i>B. grass</i>
.5	Cryptogam Moss	Lichen Algae BUC

0	Rock > 6cm	Soil
0	Stone < 6cm > 2cm	
0	Pebble < 2cm	

0	Woody debris > 7.5cm	Slope: 0°
0	Debris > 1cm < 7.5cm	
8	Debris < 1cm	

0 Shrub

0 Tree sp. girth Ht.

Bz

Line no:

Bearing:

Date:

Name:

% quad

33+ 9.0

.1

Forb

.05 UNITS .05 Lonicera

2.5

Grass

2.5 B. grass

2

Cryptogam

Lichen

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bg

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

13

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+ 9.5

.1

Forb

.1 UNITS

1.8

Grass

1.8 B. grass

1

Cryptogam

Lichen

Moss

Algae

BUC 1%

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bg

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

9

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+ 10.0

0

Forb

1.5

Grass

1.3 B. grass

.2 H. grass

1

Cryptogam

Lichen

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bg

0

Woody debris &gt; 7.5cm

7

Debris &gt; 1cm &lt; 7.5cm

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+10.5	∅	Forb			
	1.5	Grass	1.5 B grass		
	.8	Cryptogam	Lichen	Algae	BUC
	∅	Rock > 6cm		Soil	Bq
	∅	Stone < 6cm > 2cm			
	∅	Pebble < 2cm			
	∅	Woody debris > 7.5cm		Slope: 0°	
	∅	Debris > 1cm < 7.5cm			
	10	Debris < 1cm			
	∅	Shrub			
	∅	Tree sp.	girth	Ht.	
33+11.0	∅	Forb			
	2	Grass	2 B grass		
	1	Cryptogam	Lichen	Algae	BUC
	∅	Rock > 6cm		Soil	Bq
	∅	Stone < 6cm > 2cm			
	∅	Pebble < 2cm			
	∅	Woody debris > 7.5cm		Slope: 0°	
	∅	Debris > 1cm < 7.5cm			
	10	Debris < 1cm			
	∅	Shrub			
	∅	Tree sp.	girth	Ht.	
33+11.5	.1	Forb	1 sd clay		
	2	Grass	2 B grass		
	2	Cryptogam	Lichen	Algae	BUC
	∅	Rock > 6cm		Soil	Bq
	∅	Stone < 6cm > 2cm			
	∅	Pebble < 2cm			
	∅	Woody debris > 7.5cm		Slope: 0°	
	∅	Debris > 1cm < 7.5cm			
	6.5	Debris < 1cm			
	∅	Shrub			
	∅	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

	% quad				
33+ 12.0	.1	Forb	.1 <i>spharlocas coc.</i>		
	1.5	Grass	1.5 <i>B. grass</i>		
	2	Cryptogam	Lichen		
			Moss	Algae	BUC
	0	Rock > 6cm	Soil		89
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
0	Debris > 1cm < 7.5cm				
7	Debris < 1cm	Slope: 0°			
0	Shrub				
0	Tree sp.	girth	Ht.		
33+ 12.5	0	Forb			
	2.0	Grass	2 <i>B. grass</i>		
	.5	Cryptogam	Lichen		
			Moss	Algae	BUC
	0	Rock > 6cm	Soil		89
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
.1	Debris > 1cm < 7.5cm				
8	Debris < 1cm	Slope: 0°			
0	Shrub				
0	Tree sp.	girth	Ht.		
33+ 13.0	.1	Forb	.1 <i>spharlocas coc.</i>		
	1.5	Grass	1.5 <i>B. grass</i>		
	.8	Cryptogam	Lichen		
			Moss	Algae	BUC
	0	Rock > 6cm	Soil		89
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
0	Debris > 1cm < 7.5cm				
7	Debris < 1cm	Slope: 0°			
0	Shrub				
0	Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

7/25/93

Name:

% quad

33 + 13.5

.8

Forb

.8 mugwort

1.5

Grass

1.5 B. grass

1

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33 + 14.0

0

Forb

1.5

Grass

1.5 B. grass

.5

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33 + 14.5

.1

Forb

Spharical coc.

2

Grass

2 B. grass

.5

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

0

Woody debris &gt; 7.5cm

2

Debris &gt; 1cm &lt; 7.5cm

0

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

Line no:                      Bearing:                      Date:                      Name:

		% quad			
33 + 15 .0	∅	Forb			
	2	Grass 2 <i>B. grass</i>			
	1	Cryptogam Lichen Moss      Algae      BUC			
	∅	Rock >6cm	Soil	<i>Bq</i>	
	∅	Stone <6cm>2cm			
	∅	Pebble <2cm			
	∅	Woody debris >7.5cm	Slope: 0°		
	∅	Debris >1cm<7.5cm			
8	Debris < 1cm				
∅	Shrub				
∅	Tree sp.                      girth                      Ht.				
33 + 15.5	∅	Forb			
	190	Grass 1 <i>B. grass</i>			
	390	Cryptogam Lichen Moss      Algae 390 <i>None</i> BUC			
	∅	Rock >6cm	Soil	<i>Bq</i>	
	∅	Stone <6cm>2cm			
	∅	Pebble <2cm			
	∅	Woody debris >7.5cm	Slope: 0°		
	∅	Debris >1cm<7.5cm			
4	Debris < 1cm				
∅	Shrub				
∅	Tree sp.                      girth                      Ht.				
33 + 16 .0	∅	Forb			
	1.5	Grass 1.5 <i>B. grass</i>			
	1.2	Cryptogam Lichen Moss      Algae      BUC			
	∅	Rock >6cm	Soil	<i>Bq</i>	
	∅	Stone <6cm>2cm			
	∅	Pebble <2cm			
	∅	Woody debris >7.5cm	Slope: 0°		
	∅	Debris >1cm<7.5cm			
5	Debris < 1cm				
∅	Shrub				
∅	Tree sp.                      girth                      Ht.				

Line no:

Bearing:

Date:

Name:

% quad

33+16.5

.1

Forb

*1 sphaerocarpos coc seedling*

1.5

Grass

*1.5 B. grass*

.7

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bg*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

6

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+17.0

0

Forb

2.5

Grass

*.7 Panicum 1.8 B. grass*

.1

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bg*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

8

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+17.5

0

Forb

3.6

Grass

*2.5 Panicum 1 B. grass 1 Sit drop*

.5

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bg*

0

Woody debris &gt; 7.5cm

5

Debris > 1cm < 7.5cm *opuntia*

12.5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.



Line no:

Bearing:

Date:

Name:

	% quad				
33+18.0	.1	Forb	1 Spharckia coc		
	2	Grass	2 B. grass		
	1	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		Bg
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			Slope: 0°
0	Debris > 1cm < 7.5cm				
10	Debris < 1cm				
0	Shrub				
0	Tree sp.	girth	Ht.		
33+18.5	0	Forb			
	2	Grass	8 Pennicum 2 B. grass		
	2.5	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		Bg
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			Slope: 0°
0	Debris > 1cm < 7.5cm				
10	Debris < 1cm				
0	Shrub				
0	Tree sp.	girth	Ht.		
33+19.0	.1	Forb	1 sd slag		
	2	Grass	1.5 B. grass 1.5 sit lup.		
	.5	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		Bg
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			Slope:
0	Debris > 1cm < 7.5cm				
10	Debris < 1cm				
0	Shrub				
0	Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

Name:

% quad

33+19.5

.1	Forb	.1 soil s bag		
1.8	Grass	1.8 B. grass		
0	Cryptogam	Lichen	Algae	BUC
		Moss		
0	Rock > 6cm		Soil	Bq
0	Stone < 6cm > 2cm			
0	Pebble < 2cm			
0	Woody debris > 7.5cm		Slope: 0°	
0	Debris > 1cm < 7.5cm			
5	Debris < 1cm			
0	Shrub			
0	Tree sp.		girth	Ht.

33+20.0

.12	Forb	.1 soil clay 1 spherulite		
1	Grass	1 B. grass .1 soil s bag		
.1	Cryptogam	Lichen	Algae	BUC
		Moss		
0	Rock > 6cm		Soil	Bq
0	Stone < 6cm > 2cm			
0	Pebble < 2cm			
10	Woody debris > 7.5cm	open dead	Slope: 0°	
2	Debris > 1cm < 7.5cm			
5	Debris < 1cm			
0	Shrub			
0	Tree sp.		girth	Ht.

33+20.5

.6	Forb	.6 opuntia phae.		
1.5	Grass	1.5 B. grass		
0	Cryptogam	Lichen	Algae	BUC
		Moss		
0	Rock > 6cm		Soil	Bq
0	Stone < 6cm > 2cm			
0	Pebble < 2cm			
0	Woody debris > 7.5cm	open dead	Slope: 0°	
.5	Debris > 1cm < 7.5cm			
4.5	Debris < 1cm			
0	Shrub			
0	Tree sp.		girth	Ht.

Line no:

Bearing:

Date:

Name:

	% quad				
33+21.0	.1	Forb	.1 Spharalcea Coc		
	1.5	Grass	1.5 B. grass		
	.5	Cryptogam	Lichen	Algae	BUC
	0	Rock > 6cm	Soil	Bq	
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
0	Debris > 1cm < 7.5cm				
4	Debris < 1cm				
0	Shrub				
0	Tree sp.	girth	Ht.		
33+21.5	.2	Forb	.2 Spharalcea		
	1.5	Grass	1.5 B. grass		
	.5	Cryptogam	Lichen	Algae	BUC
	0	Rock > 6cm	Soil	Rq	
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
0	Debris > 1cm < 7.5cm				
5	Debris < 1cm				
0	Shrub				
0	Tree sp.	girth	Ht.		
33+22.0	0	Forb			
	1.5	Grass	1.5 B. grass		
	2.5	Cryptogam	Lichen	Algae	BUC
	0	Rock > 6cm	Soil	Bq	
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
0	Debris > 1cm < 7.5cm				
4	Debris < 1cm				
0	Shrub				
0	Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

Name:

% quad

33+22.5

0

Forb

1.5

Grass

1.5 B. grass

.5

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

BQ

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+23.0

0

Forb

2

Grass

2 B. grass

1

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

BQ

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+23.5

.1

Forb

.05 Sol. clay, .05 chenopodium 0.2 Compositae

1.4

Grass

1 sit. hyp. 4 B. grass

0

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

BQ

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

23.5 - 25.00 puncta emb. canopy

Line no:

Bearing:

Date:

Name:

	% quad				
33+24.0	.1	Forb	.1 spharalrae coc.		
	1.4	Grass	.5 B. grass .8 sedge 1 sit lup.		
	.1	Cryptogam	Lichen	Algae	BUC .1
			Moss		
	.9	Rock > 6cm		Soil	Bg
	.8	Stone < 6cm > 2cm			
	.0	Pebble < 2cm			
	.0	Woody debris > 7.5cm		Slope: 0°	
	.15	Debris > 1cm < 7.5cm			
	.125	Debris < 1cm			
.0	Shrub				
.0	Tree sp.	girth	Ht.		
33+24.5		Forb	.1 sd slag		
	1.5	Grass	.7 sit lup. .3 B. grass .5 sedge		
	.0	Cryptogam	Lichen	Algae	BUC
			Moss		
	.0	Rock > 6cm		Soil	Bg
	.0	Stone < 6cm > 2cm			
	.0	Pebble < 2cm			
	.0	Woody debris > 7.5cm		Slope: 0°	
	.0	Debris > 1cm < 7.5cm			
	.10	Debris < 1cm			
.0	Shrub				
.0	Tree sp.	girth	Ht.		
33+25.0	.2	Forb	.1 sd slag .1 spharalrae coc.		
	1.8	Grass	.3 sedge 1.5 B. grass		
	.7	Cryptogam	Lichen	Algae	BUC
			Moss		
	.0	Rock > 6cm		Soil	Bg
	.0	Stone < 6cm > 2cm			
	.0	Pebble < 2cm			
	.0	Woody debris > 7.5cm		Slope: 0°	
	.0	Debris > 1cm < 7.5cm			
	.8	Debris < 1cm			
.0	Shrub				
.0	Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

Name:

% quad

33+25.5

∅

Forb

Grass 1.2 B. grass

1

Cryptogam Lichen  
Moss Algae BUC∅  
∅  
∅Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

Bq

∅  
∅  
4Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

∅

Shrub

∅

Tree sp. girth Ht.

33+26.0

∅

Forb

1

Grass 1 B. grass

.3

Cryptogam Lichen  
Moss Algae *Nostoc*, 3 BUC∅  
∅  
∅Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

Bq

∅  
∅  
3Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

∅

Shrub

∅

Tree sp. girth Ht.

33+26.5

∅

Forb

1.5

Grass 1.5 B. grass

1.5

Cryptogam Lichen  
Moss Algae BUC∅  
∅  
∅Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

Bq

∅  
∅  
4Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

∅

Shrub

∅

Tree sp. girth Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
33 + 21.0	0	Forb		
	1	Grass	1 B. grass	
	2	Cryptogam	Lichen Moss	Algae BUC
	0	Rock > 6cm	Soil	Bq
	0	Stone < 6cm > 2cm		
	1	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
	3	Debris < 1cm		
	0	Shrub		
0	Tree sp.	girth	Ht.	
33 + 27.5	5	Forb	5 erigeron	
	1.0	Grass	8 B. grass 2 B. hirs	
	8	Cryptogam	Lichen Moss	Algae BUC
	0	Rock > 6cm	Soil	Bq
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
	4	Debris < 1cm		
		Shrub		
	Tree sp.	girth	Ht.	
33 + 28.0	0	Forb		
	8	Grass	B. grass	
	3	Cryptogam	Lichen 2% Moss	Algae BUC 1%
	0	Rock > 6cm	Soil	
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope:	
	1	Debris > 1cm < 7.5cm		
	3	Debris < 1cm grass debris		
	0	Shrub		
0	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

33+28.5		Forb		
	1.5	Grass	1.3 B. grass	2 B. grass
	10	Cryptogam	Lichen 5	Moss
			Algae	BUC 5
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		
	0	Debris > 1cm < 7.5cm		
	5	Debris < 1cm		Slope: 0°
	0	Shrub		
	0	Tree sp.	girth	Ht.
33+29.0	0	Forb		
	2	Grass	2 B. grass	
	4	Cryptogam	Lichen 290	Moss
			Algae	BUC 290
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		
	0	Debris > 1cm < 7.5cm		
	6	Debris < 1cm		Slope: 0°
	0	Shrub		
	0	Tree sp.	girth	Ht.
33+29.5	0	Forb		
	1.5	Grass	1.5 B. grass	
	5	Cryptogam	Lichen 2.590	Moss
			Algae	BUC 2.590
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		
	0	Debris > 1cm < 7.5cm		
	6	Debris < 1cm		Slope: 0°
	0	Shrub		
	0	Tree sp.	girth	Ht.



Line no:

Bearing:

Date:

Name:

% quad

*debris = grass debris*

33 + 30.0

.1

Forb

*.1 SR clay*

1.5

Grass

*1.5 B. grass*

10

Cryptogam

Lichen/BUC - 10  
Moss

Algae

BUC

0

Rock &gt; 6cm

Stone &lt; 6cm &gt; 2cm

Pebble &lt; 2cm

Soil

*Bq*

0

Woody debris &gt; 7.5cm

Debris &gt; 1cm &lt; 7.5cm

7

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33 + 30.5

0

Forb

1.5

Grass

*1.5 B. grass*

2.5

Cryptogam

Lichen/BUC - 2.5  
Moss

Algae

BUC

0

Rock &gt; 6cm

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bq*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33 + 31.0

.1

Forb

*.1 SR clay*

1.5

Grass

*1.5 B. grass*

6.5

Cryptogam

Lichen/BUC - 6.5  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bq*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
33+31.5	0	Forb		
	1	Grass	1 B. grass	
	6	Cryptogam	Lichen Moss	Algae BUC / lichen - 6%
	0	Rock > 6cm	Soil	Bq
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
	4	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.
33+32.0	0	Forb		
	2	Grass	2 B. grass	
	3	Cryptogam	Lichen Moss	Algae BUC / lichen - 3%
	0	Rock > 6cm	Soil	Bq
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
	6	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.
33+32.5	0	Forb		
	1.5	Grass	1.5 B. grass	
	1	Cryptogam	Lichen Moss	Algae BUC / lichen - 1%
	0	Rock > 6cm	Soil	Bq
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
	5	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+ 33.0

.1

Forb

1 sd clay

1

Grass

1 B grass

5

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

7

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33 + 33.5

.1

Forb

1. openha emb 1 sd clay

2

Grass

2 B. grass

.6

Cryptogam Lichen/BUC - 1.6%

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+ 34.0

0

Forb

2

Grass

2 B. grass sit sup

2

Cryptogam Lichen/BUC - 2%

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

Bq

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+34.5	0	Forb			
	1.6	Grass	1.4 B. grass	1 sit trap	
	1	Cryptogam	Lichen	Algae	BUC / lichen - 120
		Moss			
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	5	Woody debris > 7.5cm		Slope: 0°	
	1	Debris > 1cm < 7.5cm	open		
	5	Debris < 1cm			
	0	Shrub			
	0	Tree sp.	girth	Ht.	
33+35.0	1	Forb	1 seedling		
	1	Grass	5 B. grass	5 sit trap	
	1	Cryptogam	Lichen	Algae	BUC
		Moss			
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm		Slope: 0°	
	0	Debris > 1cm < 7.5cm			
	3	Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
33+35.5	1	Forb	1 sd slag		
	.8	Grass	7 B. grass		
	1	Cryptogam	Lichen	Algae	BUC / lichen 120
		Moss			
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm		Slope: 0°	
	0	Debris > 1cm < 7.5cm			
	5	Debris < 1cm			
	0	Shrub			
	0	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

33+36 .0

Forb

1.5

Grass 0.5 Panicum 1.0 Bougra

2.0

Cryptogam Lichen/Buc  
Moss Algae BUC

-

Rock &gt; 6cm

Soil

-

Stone &lt; 6cm &gt; 2cm

-

Pebble &lt; 2cm

-

Woody debris &gt; 7.5cm

-

Debris &gt; 1cm &lt; 7.5cm

4

Debris &lt; 1cm

Slope:

0

Shrub

0

Tree sp. girth Ht.

33+36 .5

0.1

Forb Sol. elag.

1

Grass bou gra.

4

Cryptogam Lichen/Buc  
Moss Algae BUC

-

Rock &gt; 6cm

Soil

-

Stone &lt; 6cm &gt; 2cm

-

Pebble &lt; 2cm

-

Woody debris &gt; 7.5cm

-

Debris &gt; 1cm &lt; 7.5cm

3

Debris &lt; 1cm

Slope:

Shrub

Tree sp. girth Ht.

33+

37 .0

Ø

Forb

2.0

Grass 1.3 Bou gra 0.7 Panicum

5

Cryptogam Lichen/Buc  
Moss Algae BUC

0

Rock &gt; 6cm

Soil

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

2

Woody debris &gt; 7.5cm

2

Debris &gt; 1cm &lt; 7.5cm

4

Debris &lt; 1cm

Slope:

Shrub

Tree sp. girth Ht.

Line no:

Bearing:

Date:

Name:

% quad

3337.5		Forb			
	2	Grass	Bou Gra		
	3	Cryptogam	Lichen/Buc	Algae	BUC
		Moss			
		- Rock > 6cm		Soil	
		- Stone < 6cm > 2cm			
		- Pebble < 2cm			
		- Woody debris > 7.5cm		Slope:	
		- Debris > 1cm < 7.5cm			
	5	Debris < 1cm			
		- Shrub			
		- Tree sp.	girth	Ht.	
33+	38.0	0.3	Forb	Op imb.	Spheral. Sol elap.
		2	Grass	0.6 Bou Gra	1.4 Panicum
		5	Cryptogam	Lichen/Buc	BUC
		Moss		Algae	
		- Rock > 6cm		Soil	
		- Stone < 6cm > 2cm			
		- Pebble < 2cm			
		- Woody debris > 7.5cm		Slope:	
		- Debris > 1cm < 7.5cm			
	4	Debris < 1cm			
		- Shrub			
		- Tree sp.	girth	Ht.	
33	38.5	∅	Forb		
		1.0	Grass	0.5 Panicum	0.5 Bou Gra
		3	Cryptogam	Lichen/Buc	BUC
		Moss		Algae	
		- Rock > 6cm		Soil	
		- Stone < 6cm > 2cm			
		- Pebble < 2cm			
		- Woody debris > 7.5cm		Slope:	
		- Debris > 1cm < 7.5cm			
	3.5	Debris < 1cm			
		- Shrub			
		- Tree sp.	girth	Ht.	

Line no:                      Bearing:                      Date:                      Name:

		% quad					
33	39 .0	0.1	Forb Sol elag.				
		1.5	Grass Bow gra				
		3.5	Cryptogam	Lichen / Buc			
			Moss	Algae	BUC		
			Rock > 6cm	Soil			
			Stone < 6cm > 2cm				
			Pebble < 2cm				
	4	Woody debris > 7.5cm	Slope:				
		Debris > 1cm < 7.5cm					
		Debris < 1cm					
		Shrub					
		Tree sp.	girth	Ht.			
33+	39.5	0.1	Forb Sol elag				
		1.5	Grass Bow				
		0.5	Cryptogam	Lichen / Buc			
			Moss	Algae	BUC		
			Rock > 6cm	Soil			
			Stone < 6cm > 2cm				
			0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope:				
	0	Debris > 1cm < 7.5cm					
	4	Debris < 1cm					
		Shrub					
		Tree sp.	girth	Ht.			
33+	40 .0	∅	Forb				
		1.5	Grass				
		1.2	Cryptogam	Lichen / Buc			
			Moss	Algae	BUC		
			Rock > 6cm	Soil			
			Stone < 6cm > 2cm				
			-	Pebble < 2cm			
	3.5	Woody debris > 7.5cm	Slope:				
		Debris > 1cm < 7.5cm					
		Debris < 1cm					
		Shrub					
		Tree sp.	girth	Ht.			

Line no:

Bearing:

Date:

Name:

		% quad			
33+	40.5	0	Forb		
		1.7	Grass <i>Bou gra</i>		
		1.2	Cryptogam Lichen/Buc Moss Algae BUC		
		-	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
		4	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
			Shrub		
			Tree sp. girth Ht.		
33+	41.0	0	Forb		
		2.5	Grass <i>Bou gra</i>		
		3	Cryptogam Lichen/Buc Moss Algae BUC		
		-	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
		6	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
			Shrub		
			Tree sp. girth Ht.		
33+	41.5	0.1	Forb <i>Sl elas</i>		
		2	Grass <i>Bou gra</i>		
		4	Cryptogam Lichen Moss Algae BUC		
		-	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
		7	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
			Shrub		
			Tree sp. girth Ht.		



Line no:

Bearing:

Date:

Name:

% quad

33+42.0

0

Forb

2.

Grass Bou gra.

1

Cryptogam Lichen/Buc  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

6

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.

33+

42.5

φ

Forb

1.5

Grass Bou gra.

1.5

Cryptogam Lichen  
Moss Algae BUC

-

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

-

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

5

Shrub

Tree sp. girth Ht.

33+43.0

φ

Forb

1.5

Grass Bou gra.

1.2

Cryptogam Lichen  
Moss Algae BUC

-

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

-

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

5

Shrub

Tree sp. girth Ht.

Line no:

Bearing:

Date:

Name:

8 quad

33+

43.5

0.1

Forb Sol clcp

1.8

Grass Bou gra

2

Cryptogam Lichen/Buc  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

6

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.

44.0

0

Forb

1.3

Grass Bou gra

1

Cryptogam Lichen/Buc  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

6

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.

33+

44.5

0

Forb

1.5

Grass Bou gra

1

Cryptogam Lichen  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

5

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.

Line no:

Bearing:

Date:

Name:

% quad

Deb = grass 17.

33+	45 .0		Forb			
	1.8	Grass	Bou gra			
	2.5	Cryptogam	Lichen Moss	Algae	BUC	
	0.2	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm		Soil		
	4	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm		Slope:		
		Shrub				
		Tree sp.	girth	Ht.		
33+	45 .5	∅	Forb			
	1.5	Grass	Bou gra			
	3.5	Cryptogam	Lichen/BUC Moss	Algae	BUC	
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm		Soil		
	2.5 5	Woody debris > 7.5cm Debris > 1cm < 7.5cm (op) Debris < 1cm		Slope:		
		Shrub				
		Tree sp.	girth	Ht.		
33+	46 .0	∅	Forb			
	2	Grass	Bou gra			
	4	Cryptogam	Lichen/BUC Moss	Algae	BUC	
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm		Soil		
	6	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm		Slope:		
		Shrub				
		Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

Name:

% quad

33+ 46.5	∅	Forb		
	0.8	Grass 0.6 Sit Hys	0.2 Bau gra.	
	∅	Cryptogam Moss	Lichen	Algae BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	10 2.5 20	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Opim. stand p dead	Slope:
		Shrub		
		Tree sp.	girth	Ht.
47.0	0.1	Forb Sol elgs	Sphard.	
	3.5	Grass 3 Sit hys	0.5 B. gra.	
		Cryptogam Moss	Lichen	Algae BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	10	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Canopy = Dead Opimb. 25%	Slope:
		Shrub		
		Tree sp.	girth	Ht.
33+ 47.5	> 0.1	Forb splard		
	2	Grass Ba gra.		
	2.5	Cryptogam Moss	Lichen	Algae BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm		Slope:
		Shrub		
		Tree sp.	girth	Ht.

Line no:                      Bearing:                      Date:                      Name:

		% quad			
33 48.0	0.2	Forb Spheral			
	2	Grass Bougara			
	4.5	Cryptogam	Lichen	Algae	BUC
		Moss			
	-	Rock > 6cm	Soil		
	-	Stone < 6cm > 2cm			
	-	Pebble < 2cm			
	5.5	Woody debris > 7.5cm	Slope:		
-	Debris > 1cm < 7.5cm				
-	Debris < 1cm				
	Shrub				
	Tree sp.	girth	Ht.		
48.5	> 0.1	Forb Spheral			
	1.5	Grass Bougara			
	3.5	Cryptogam	Lichen/BUC	Algae	BUC
		Moss			
	-	Rock > 6cm	Soil		
	-	Stone < 6cm > 2cm			
	-	Pebble < 2cm			
	4	Woody debris > 7.5cm	Slope:		
-	Debris > 1cm < 7.5cm				
-	Debris < 1cm				
	Shrub				
	Tree sp.	girth	Ht.		
33 49.0		Forb			
	2	Grass bou gara			
	3	Cryptogam	Lichen/BUC	Algae	BUC
		Moss			
		Rock > 6cm	Soil		
		Stone < 6cm > 2cm			
		Pebble < 2cm			
	4	Woody debris > 7.5cm	Slope:		
	Debris > 1cm < 7.5cm				
	Debris < 1cm				
	Shrub				
	Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

Name:

% quad				
33+ 49.5	0.1	Forb	Splaval	
	2.5	Grass	Bou gra	
	3	Cryptogam	Lichen/Buc Moss	Algae BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.
33+ 50.0		Forb		
	2.5	Grass	Bou gra.	
	2	Cryptogam	Lichen/Buc Moss	Algae BUC
		✓ Rock > 6cm - Stone < 6cm > 2cm - Pebble < 2cm	Soil	
	6	- Woody debris > 7.5cm - Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.
33+ 50.5	0.2	Forb	Splaval.	
	2	Grass	Bou gra	
	3	Cryptogam	Lichen Moss	Algae BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

	% quad				
33+	51.0	0.1	Forb	Sard	
		2	Grass	Bougra	
		1.8	Cryptogam	Lichen/Buc	
				Moss	Algae BUC
			Rock > 6cm	Stone < 6cm > 2cm	Pebble < 2cm
			Woody debris > 7.5cm	Debris > 1cm < 7.5cm	Debris < 1cm
		5			Slope:
			Shrub		
			Tree sp.	girth	Ht.
		51.5	51.5	∅	Forb
1.2	Grass			Bougra	
1.5	Cryptogam			Lichen	
				Moss	Algae BUC
	Rock > 6cm			Stone < 6cm > 2cm	Pebble < 2cm
	Woody debris > 7.5cm			Debris > 1cm < 7.5cm	Debris < 1cm
4					Slope:
	Shrub				
	Tree sp.			girth	Ht.
52.0	52.0			∅	Forb
		1	Grass	Bougra	
		2.5	Cryptogam	Lichen/Buc	
				Moss	Algae BUC
			Rock > 6cm	Stone < 6cm > 2cm	Pebble < 2cm
			Woody debris > 7.5cm	Debris > 1cm < 7.5cm	Debris < 1cm
		4			Slope:
			Shrub		
			Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+  
52.5

Ø

Forb

1.5

Grass *bou gra*

2.5

Cryptogam Lichen/Buc  
Moss Algae BUC


Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

5

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

*n mid way x drainage*  


Shrub

Tree sp. girth Ht.

53.0

Ø

Forb

1.0

Grass *Bou gra*

2

Cryptogam Lichen/Buc  
Moss Algae BUC

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

4

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.

33+  
53.5

Forb

1.2

Grass *bou gra*

4

Cryptogam Lichen/Buc  
Moss Algae BUC

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

4

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.



Line no:

Bearing:

Date:

Name:

% quad

Debris = grass

33+ 54.0

0

Forb

1.5

Grass Bougrass

3

Cryptogam Lichen/Buc.  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

5

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.

54.5

0.2

Forb Sparal

1.2

Grass Bou grass

2.5

Cryptogam Lichen/BUC  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

5

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.

55.0

6.1

Forb Opun. polyacantha Sparal (0.1)

1

Grass bou grass

1

Cryptogam Lichen/Buc  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

4-  
3Woody debris > 7.5cm  
Debris > 1cm < 7.5cm Opun  
Debris < 1cm

Slope:

Shrub

Tree sp. girth Ht.

Line no:

Bearing:

Date:

Name:

¼ quad

35  
55.52.5 Forb *Opun Polyae.*1.2 Grass *Bou gra*1 Cryptogam Lichen  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm  
Soil0.5 -  
5 Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm  
Slope:

Shrub

Tree sp. girth Ht.

56.0

Forb

1.5 Grass *Bou gra*3 Cryptogam Lichen/Buc  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm  
Soil5 Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm  
Slope:

Shrub

Tree sp. girth Ht.

56.5

2.5 Forb *Mam. meican.*1.8 Grass *Bou gra*2.5 Cryptogam Lichen  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm  
Soil5 Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm  
Slope:

Shrub

Tree sp. girth Ht.

Line no:                      Bearing:                      Date:                      Name:

		% quad				
33+	57.0		Forb			
		2	Grass	Bou gra		
		4	Cryptogam	Lichen	BUC	
				Moss	Algae	BUC
			Rock > 6cm	Soil		
			Stone < 6cm > 2cm			
			Pebble < 2cm	Slope:		
		5	Woody debris > 7.5cm			
			Debris > 1cm < 7.5cm			
			Debris < 1cm			
	Shrub					
	Tree sp.                      girth                      Ht.					
57.5			Forb			
		1.5	Grass	Bou gra		
		3	Cryptogam	Lichen ✓	BUC ✓	
				Moss ✓	Algae	BUC ✓
			Rock > 6cm	Soil		
			Stone < 6cm > 2cm			
			Pebble < 2cm	Slope:		
		4	Woody debris > 7.5cm			
			Debris > 1cm < 7.5cm			
			Debris < 1cm			
	Shrub					
	Tree sp.                      girth                      Ht.					
58.0		0.1	Forb	Sperd		
		1.5	Grass	1.2 Bou gra	0.3 Bou lin	
		2.2	Cryptogam	Lichen/BUC	BUC	
				Moss ✓	Algae	BUC
			Rock > 6cm	Soil		
			Stone < 6cm > 2cm			
			Pebble < 2cm	Slope:		
		4	Woody debris > 7.5cm			
			Debris > 1cm < 7.5cm			
			Debris < 1cm			
	Shrub					
	Tree sp.                      girth                      Ht.					

Line no:

Bearing:

Date:

Name:

% quad

33+ 58.5

0.1 Forb *Sparal* *Soil elg.*

1.2 Grass *Bou gra.*

2 Cryptogam Lichen/*Bu*  
Moss Algae BUC

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm  
Soil

4 Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm  
Slope:

Shrub

Tree sp. girth Ht.

59.0

0.1 Forb *Spharal*

1.2 Grass *Bou gra.*

3 Cryptogam Lichen  
Moss Algae BUC/*Lichen*

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm  
Soil

5 Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm  
Slope:

Shrub

Tree sp. girth Ht.

33+

59.5

0.1 Forb *Sphal*

1 Grass *0.8 Bou gra 0.2 Bou Lin*

1 Cryptogam Lichen/*BUC*  
Moss Algae BUC

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm  
Soil

5 Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm  
Slope:

Shrub

Tree sp. girth Ht.

Line no:                      Bearing:                      Date:                      Name:

		% quad				
33+	60.0	0.2	Forb	Sol elag	Spheral.	
		1.5	Grass	Bow gras		
		3.5	Cryptogam	Lichen/Buc.		
				Moss	Algae	BUC
				Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
		4		Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
				Shrub		
		Tree sp.	girth	Ht.		
33+	60.5	0.1	Forb	Spheral.		
		1.5	Grass	Bow gras		
		1	Cryptogam	Lichen/Buc.		
				Moss	Algae	BUC
				Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
		5		Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
				Shrub		
		Tree sp.	girth	Ht.		
61.0	61.0	0.1	Forb	Spheral		
		0.8	Grass	Bow gras		
		5	Cryptogam	Lichen/BUC.		
				Moss	Algae	BUC
				Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
		4		Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
				Shrub		
		Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

Name:

¼ quad

33+ 61.5	∅	Forb		
	0.8	Grass <i>Bou gra</i>		
	3.5	Cryptogam Lichen/ <i>Buc</i> Moss	Algae	BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	4	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.
33+ 62.0	0.1	Forb <i>Sphard.</i>		
	0.8	Grass <i>Bou gra</i>		
	4	Cryptogam Lichen/ <i>Buc</i> Moss	Algae	BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	4	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.
62.5	0.1	Forb <i>Sphard.</i>		
	1.5	Grass <i>Bou gra</i>		
	4	Cryptogam Lichen Moss	Algae	BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+ 63 .0

0.1

Forb

Speral

Sol elag.

0.6

Grass

Bou gra

/

Cryptogam

Lichen/Buc.

Moss

Algae

BUC

Rock &gt; 6cm

Stone &lt; 6cm &gt; 2cm

Pebble &lt; 2cm

Soil

0.1 Bung scat.

Woody debris &gt; 7.5cm

Debris &gt; 1cm &lt; 7.5cm

Debris &lt; 1cm

2

Slope:

Shrub

Tree sp.

girth

Ht.

63.5

0.1

Forb

Speral

Sol elg

1.2

Grass

Bogra 1

(0.2 Hijam ???)

3

Cryptogam

Lichen/Buc.

Moss

Algae

BUC

Rock &gt; 6cm

Stone &lt; 6cm &gt; 2cm

Pebble &lt; 2cm

Soil

Woody debris &gt; 7.5cm

Debris &gt; 1cm &lt; 7.5cm

Debris &lt; 1cm

5

Slope:

Shrub

Tree sp.

girth

Ht.

33+ 64 .0

Forb

Speral

/

Grass

Bou gra.

1.5

Cryptogam

Lichen

Moss

Algae

BUC

Rock &gt; 6cm

Stone &lt; 6cm &gt; 2cm

Pebble &lt; 2cm

Soil

Woody debris &gt; 7.5cm

Debris &gt; 1cm &lt; 7.5cm Opu

Debris &lt; 1cm

1.5

5

Slope:

Shrub

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

% quad

33 <sup>+</sup> 64.5	0.1	Forb	Sol elgo	uncl.	
	1.2	Grass	Bou gra.		
	∅	Cryptogam	Lichen		
			Moss	Algae	BUC
		Rock > 6cm		Soil	
		Stone < 6cm > 2cm			
		Pebble < 2cm			
	1- 5	Woody debris > 7.5cm		Slope:	
		Debris > 1cm < 7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
65.0	0.1	Forb	uncl		
	2.0	Grass	Panicum		
	∅	Cryptogam	Lichen		
			Moss	Algae	BUC
		Rock > 6cm		Soil	
		Stone < 6cm > 2cm			
		Pebble < 2cm			Opun. imbr. can.
	4- 25	Woody debris > 7.5cm		Slope:	
		Debris > 1cm < 7.5cm	Op.		
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
65.5	0.1	Forb	Commet		
	0.5	Grass	0.4 Sit. hys.		
	∅	Cryptogam	Lichen		
			Moss	Algae	BUC
		Rock > 6cm		Soil	
		Stone < 6cm > 2cm			
		Pebble < 2cm			Op im. caporps
	6% 30	Woody debris > 7.5cm		Slope:	
		Debris > 1cm < 7.5cm	Op.		
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	



Line no:

Bearing:

Date:

Name:

	% quad				
33 + 66.0	0.1	Forb	Comm.		
	1.2	Grass	1 St 2 yrs.		
		Cryptogam	Lichen	Algae	BUC
			Moss		
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		
			Pebble < 2cm		
	1 - 80	Woody debris > 7.5cm	Slope:		
		Debris > 1cm < 7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
66.5	0.1	Forb	Sol elq.		
	20%	Grass	Bou gra.	0.2 St 1 yrs.	
	0.2	Cryptogam	Lichen	Algae	BUC
			Moss		
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		
			Pebble < 2cm		
	3 - 40	Woody debris > 7.5cm	Slope:		
		Debris > 1cm < 7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
67.0	0.1	Forb	Sol elag		
	1.5	Grass	Bou gra.		
	10	Cryptogam	Lichen/Bu	Algae	BUC
			Moss		
			Rock > 6cm	Soil	
			Stone < 6cm > 2cm		
			Pebble < 2cm		
	5	Woody debris > 7.5cm	Slope:		
		Debris > 1cm < 7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

¼ quad

33+ 67.5	0.1	Forb <i>Spiraea</i>		
	1.2	Grass <i>Bou grass</i>		
	5	Cryptogam Lichen / <i>Buc</i> Moss	Algae	BUC
	0.4	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	3	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.
68.0	0.1	Forb <i>Spiraea</i>		
	0.5	Grass <i>Bou grass</i>		
	1.5	Cryptogam Lichen / <i>Buc</i> Moss	Algae	BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	2	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.
33+ 68.5		Forb		
	1	Grass <i>Bou.</i>		
	3.5	Cryptogam Lichen / <i>Buc</i> Moss	Algae	BUC
		Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	4	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope:	
		Shrub		
		Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+69.0

0

Forb

1

Grass

B. grass

4

Cryptogam Lichen / BUC  
Moss Algae BUC

0  
0  
0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

9/2 BG

0  
0  
4

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp. girth Ht.

33+69 .5

.1

Forb 1 sphaerocarpos coc.

.8

Grass B. grass

7

Cryptogam Lichen Moss Algae BUC / Lichen

0  
0  
0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

84.1 2 BG

4  
0  
4

Woody debris > 7.5cm open land  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp. girth Ht.

33+70 .0

0

Forb

1

Grass B. grass

1

Cryptogam Lichen Moss Algae BUC

0  
0  
0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

94.9 BG

0  
0  
4

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp. girth Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+70.5

0

Forb

.8

Grass *JB. grass*

1.7

Cryptogam Lichen *1.7*  
Moss Algae BUC

0  
0  
0

Rock >6cm  
Stone <6cm>2cm  
Pebble <2cm

Soil

*Bg*

4

Woody debris >7.5cm  
Debris >1cm<7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp. girth Ht.

33+71.0

0

Forb *1.5d elgg*

.8

Grass *.8 B. grass*

2

Cryptogam Lichen *BUC*  
Moss Algae BUC

0  
0  
0

Rock >6cm  
Stone <6cm>2cm  
Pebble <2cm

Soil

*Bg*

0  
0  
4

Woody debris >7.5cm  
Debris >1cm<7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp. girth Ht.

33+71.5

0

Forb *0*

1.5

Grass *1.5 B. grass*

2

Cryptogam Lichen  
Moss Algae BUC

0  
0  
0

Rock >6cm  
Stone <6cm>2cm  
Pebble <2cm

Soil

*Bg*

0  
0  
5

Woody debris >7.5cm  
Debris >1cm<7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp. girth Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+ 12.0

0

Forb

1

Grass

*B. grass*

4

Cryptogam

Lichen

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bq*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+ 12.5

.1

Forb

*.1 sphaerococ*

1.5

Grass

*1.5 B. grass*

1.5

Cryptogam

Lichen

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bq*

0

Woody debris &gt; 7.5cm

.8

Debris > 1cm < 7.5cm *open emb*

4.5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+ 13.0

.1

Forb

*.1 sphaerococ*

2

Grass

*2 B. grass*

2

Cryptogam

Lichen

Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bq*

0

Woody debris &gt; 7.5cm

2

Debris > 1cm < 7.5cm *open emb*

7

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+73.5	.1	Forb	1 sphacelata coc.		
	1.5	Grass	1.5 B. grass		
	4	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
	1	Debris > 1cm < 7.5cm			
	4	Debris < 1cm			
	0	Shrub			
	0	Tree sp.	girth	Ht.	
33+74.0	.9	Forb	.5 sphacelata 4 open emb		
	2	Grass	2 B. grass		
		Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
	0	Debris > 1cm < 7.5cm			
	7	Debris < 1cm			
	0	Shrub			
	0	Tree sp.	girth	Ht.	
33+74.5	.1	Forb	1.1 erigeron		
	1.2	Grass	1.2 B. grass		
	2	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
	0	Debris > 1cm < 7.5cm			
	5	Debris < 1cm			
	0	Shrub			
	0	Tree sp.	girth	Ht.	

Line no:                      Bearing:                      Date:                      Name:

	% quad				
33 + 75.0	.1	Forb	<i>perignon</i>		
	.8	Grass	<i>.8 B. grass</i>		
	3.5	Cryptogam	Lichen	Algae	BUC
			Moss		
			Rock > 6cm	Soil	<i>Bg</i>
			Stone < 6cm > 2cm		
			Pebble < 2cm		
		Woody debris > 7.5cm	Slope: 0°		
		Debris > 1cm < 7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
33 + 75.5		Forb			
	1.6	Grass	<i>.1 thick 1.5 B. grass</i>		
	1.5	Cryptogam	Lichen	Algae	BUC
			Moss		
			Rock > 6cm	Soil	<i>Bg</i>
			Stone < 6cm > 2cm		
			Pebble < 2cm		
		Woody debris > 7.5cm	Slope: 0°		
		Debris > 1cm < 7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
33 + 76.0	.1	Forb	<i>1 sd slag</i>		
	1	Grass	<i>1 B. grass</i>		
	3.5	Cryptogam	Lichen	Algae	BUC
			Moss		
			Rock > 6cm	Soil	<i>Bg</i>
			Stone < 6cm > 2cm		
			Pebble < 2cm		
		Woody debris > 7.5cm	Slope: 0°		
		Debris > 1cm < 7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad				
33+76.5	1	Forb	1 soil clay	
	1	Grass	1 B. grass	
	5	Cryptogam Moss	Lichen	Algae BUC
	0	Rock > 6cm	Soil	
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
	4	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.
33+77.0	0	Forb		
	1	Grass	1 B. grass	
	5	Cryptogam Moss	Lichen	Algae BUC
	0	Rock > 6cm	Soil	
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope:	
	0	Debris > 1cm < 7.5cm		
	3	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.
33+77.5	0	Forb		
	1	Grass	Bow	
	4	Cryptogam Moss	Lichen	Algae BUC
	0	Rock > 6cm	Soil	
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope:	
	0	Debris > 1cm < 7.5cm		
	5	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.



Line no:

Bearing:

Date:

Name:

	% quad				
33+ 78.0	.1	Forb	Sphadlogae Coc		
	1	Grass	B. grass		
	5	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		Rg
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
0	Debris > 1cm < 7.5cm				
5	Debris < 1cm				
		Shrub			
		Tree sp.	girth	Ht.	
33+ 78.5	0	Forb			
	1	Grass	1 B. grass		
	3.5	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		Bg
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
0	Debris > 1cm < 7.5cm				
4	Debris < 1cm				
0		Shrub			
0		Tree sp.	girth	Ht.	
33+ 79.0	0	Forb			
	1	Grass	1 B. grass		
	4	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		Bg
	0	Stone < 6cm > 2cm			
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm	Slope: 0°		
0	Debris > 1cm < 7.5cm				
4	Debris < 1cm				
0		Shrub			
0		Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

33+79.5

0

Forb

.8

Grass

*B. grass*

2

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

.3

Pebble &lt; 2cm

Soil

*Bg*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

3

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+80.0

0

Forb

1

Grass

*B. grass*

2

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bg*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

3

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+80.5

0

Forb

1

Grass

*B. grass*

4

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*Bg*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

3

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
33 + 81.0	0	Forb		
	2	Grass	170 B. grass	1741. Jan.
	2	Cryptogam	Lichen	
			Moss	Algae BUC
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		Slope: 0°
	0	Debris > 1cm < 7.5cm		
	7	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.
33 + 81.5	0	Forb		
	1	Grass	18 B. grass	2 H/1 Jan.
	2	Cryptogam	Lichen	
			Moss	Algae BUC
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		Slope: 0°
	0	Debris > 1cm < 7.5cm		
	4	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.
33 + 82.0	15	Forb	15 Opuntia poly	
	2	Grass	1 B. grass	1 H/1 Jan.
	1.5	Cryptogam	Lichen	
			Moss	Algae BUC
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		Slope:
	0	Debris > 1cm < 7.5cm		
	6	Debris < 1cm		
	0	Shrub		
	0	Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

¼ quad

33+82.5

∅ Forb

1.5 Grass

*.5 Hill grass 1 B. grass*

3

Cryptogam Lichen  
Moss

Algae

BUC

∅

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*

∅

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

5

∅

Shrub

∅

Tree sp.

girth

Ht.

33+83.0

.1 Forb

*.5 rd slag*

.8

Grass

*.8 B. grass*

2

Cryptogam Lichen  
Moss

Algae

BUC

∅

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*

∅

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

3

∅

Shrub

∅

Tree sp.

girth

Ht.

33+83.5

∅

Forb

1

Grass

*1 B. grass*

2

Cryptogam Lichen  
Moss

Algae

BUC

∅

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*

∅

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

5

∅

Shrub

∅

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

% quad

33 + 84.0

.1	Forb	.15d clay		
1	Grass	1.9 B. grass	1. Hill jam	
.5	Cryptogam	Lichen	Algae	BUC
		Moss		
∅	Rock > 6cm		Soil	Bq
∅	Stone < 6cm > 2cm			
∅	Pebble < 2cm			
∅	Woody debris > 7.5cm		Slope: 0°	
∅	Debris > 1cm < 7.5cm			
5	Debris < 1cm			
∅	Shrub			
∅	Tree sp.	girth	Ht.	

33 + 84.5

.1	Forb	.05 Sd clay, spherulic roc		
1.5	Grass	1. B. grass	1.5 Hill jam	
1.5	Cryptogam	Lichen	Algae	BUC
		Moss		
∅	Rock > 6cm		Soil	Bq
∅	Stone < 6cm > 2cm			
∅	Pebble < 2cm			
∅	Woody debris > 7.5cm		Slope: 0°	
∅	Debris > 1cm < 7.5cm			
5	Debris < 1cm			
∅	Shrub			
∅	Tree sp.	girth	Ht.	

33 + 85.0

∅	Forb			
2	Grass	B. grass		
2	Cryptogam	Lichen	Algae	BUC
		Moss		
∅	Rock > 6cm		Soil	Bq
∅	Stone < 6cm > 2cm			
∅	Pebble < 2cm			
∅	Woody debris > 7.5cm		Slope: 0°	
∅	Debris > 1cm < 7.5cm			
6.5	Debris < 1cm			
∅	Shrub			
∅	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

33+ 85.5

.1

Forb *sd elag*

1

Grass *1 B. grass*

2.5

Cryptogam Lichen  
Moss Algae BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

5.5

0

Shrub

0

Tree sp. girth Ht.

33+ 86.0

0

Forb

2

Grass *2 B. grass*

.5

Cryptogam Lichen  
Moss Algae BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

7

0

Shrub

0

Tree sp. girth Ht.

33+ 86.5

0

Forb

.8

Grass *B. grass*

.5

Cryptogam Lichen  
Moss Algae BUCRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

3

0

Shrub

0

Tree sp. girth Ht.

Line no:                      Bearing:                      Date:                      Name:

		% quad				
33+ 87.0	∅	Forb				
	1.8	Grass <i>B. grass</i>				
	1	Cryptogam    Lichen Moss	Algae	BUC		
	∅ ∅ ∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	<i>Bg</i>		
	∅ ∅ 6.5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°			
	∅	Shrub				
	∅	Tree sp.	girth	Ht.		
33+ 87.5	∅	Forb				
	1	Grass <i>B. grass</i>				
	2.5	Cryptogam    Lichen Moss	Algae	BUC		
	∅ ∅ ∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	<i>Bg</i>		
	∅ ∅ 2.5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°			
	∅	Shrub				
	∅	Tree sp.	girth	Ht.		
33+ 88.0	.6	Forb <i>1 sd slag .5 desert mar.</i>				
	1	Grass <i>B. grass</i>				
	1	Cryptogam    Lichen Moss	Algae	BUC		
	∅ ∅ ∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	<i>Bg</i>		
	∅ ∅ 4	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°			
	∅	Shrub				
	∅	Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

Name:

% quad

33+88.5	.1	Forb	<i>dent m.</i>			
	.8	Grass	<i>B. grass</i>			
	.1	Cryptogam	Lichen	Algae	BUC	
		Moss				
	0	Rock > 6cm		Soil		B <sub>g</sub>
	0	Stone < 6cm > 2cm				
	0	Pebble < 2cm				
	0	Woody debris > 7.5cm				Slope: 0°
	0	Debris > 1cm < 7.5cm				
	2.5	Debris < 1cm				
	0	Shrub				
	0	Tree sp.	girth		Ht.	
33+89.0	.1	Forb	<i>sphaerleaa coc.</i>			
	.1	Grass	<i>B. grass</i>			
	.5	Cryptogam	Lichen	Algae	BUC	
		Moss				
	0	Rock > 6cm		Soil		B <sub>g</sub>
	0	Stone < 6cm > 2cm				
	0	Pebble < 2cm				
	0	Woody debris > 7.5cm				Slope: 0°
	0	Debris > 1cm < 7.5cm				
	3.5	Debris < 1cm				
	0	Shrub				
	0	Tree sp.	girth		Ht.	
33+89.5	.1	Forb	<i>sphaerleaa coc.</i>			
	.2	Grass	<i>B. grass</i>			
	.1	Cryptogam	Lichen	Algae	BUC	
		Moss				
	0	Rock > 6cm		Soil		B <sub>g</sub>
	0	Stone < 6cm > 2cm				
	0	Pebble < 2cm				
	0	Woody debris > 7.5cm				Slope: 0°
	0	Debris > 1cm < 7.5cm				
	5	Debris < 1cm				
	0	Shrub				
	0	Tree sp.	girth		Ht.	



Line no:

Bearing:

Date:

Name:

% quad

90.0

&lt;.1

Forb

*sphaerocarpus coc (seedling)*

1.5

Grass

*B. grass*

1.1

Cryptogam Lichen  
Moss

Algae

BUC

∅  
∅  
∅Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*∅  
∅  
4Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

∅

Shrub

∅

Tree sp.

girth

Ht.

33+ 90.5

∅

Forb

1

Grass

*B. grass*

∅

Cryptogam Lichen  
Moss

Algae

BUC

∅  
∅  
∅Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg**ant activity*∅  
∅  
5.5Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

Shrub

Tree sp.

girth

Ht.

33+ 91.0

.15

Forb

*sphaerocarpus coc.*

.5

Grass

*B. grass*

∅

Cryptogam Lichen  
Moss

Algae

BUC

∅  
∅  
∅Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*∅  
∅  
2Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

∅

Shrub

∅

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
33+91.5	1.5	Forb	1 sphaerococcus, .05 Chenopodium, 1 Opuntia poly	
	.5	Grass	B. grass	
	∅	Cryptogam	Lichen	Algae BUC
	∅	Rock > 6cm	Soil	Bg
	∅	Stone < 6cm > 2cm	dead opuntia emb canopy	
	∅	Pebble < 2cm	opuntia poly canopy	
	.25	Woody debris > 7.5cm	opuntia emb	
	1	Debris > 1cm < 7.5cm	Slope: 0°	
	1	Debris < 1cm		
	∅	Shrub		
	∅	Tree sp.	girth	Ht.
33+92.0	2.1	Forb	2% Opuntia poly, .05 sphaerococcus, .05 Chenopodium	
	∅	Grass		
	∅	Cryptogam	Lichen	Algae BUC
	∅	Rock > 6cm	Soil	Bg
	∅	Stone < 6cm > 2cm	dead opuntia emb canopy	
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: 0°	
	∅	Debris > 1cm < 7.5cm		
	1	Debris < 1cm		
	∅	Shrub		
	∅	Tree sp.	girth	Ht.
33+92.5	.1	Forb	1 sphaerococcus	
	.7	Grass	.7 Bout.	
	.3	Cryptogam	Lichen	Algae BUC
	∅	Rock > 6cm	Soil	Bg
	∅	Stone < 6cm > 2cm		
	∅	Pebble < 2cm		
	∅	Woody debris > 7.5cm	Slope: 0°	
	.5	Debris > 1cm < 7.5cm		
	∅	Debris < 1cm		
	∅	Shrub		
	∅	Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

% quad

33 + 93 .0

.1

Forb

*Sphaericea coc.*

1.5

Grass

*B. grass* .5 Buti

.4

Cryptogam Lichen  
Moss

Algae

BUC

Ø  
Ø  
ØRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*Ø  
Ø  
4.5Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

Ø

Shrub

Ø

Tree sp.

girth

Ht.

33 + 93 .5

Ø

Forb

2.5

Grass

*B. grass*

3

Cryptogam Lichen  
Moss

Algae

BUC

Ø  
Ø  
ØRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*Ø  
Ø  
7Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

Ø

Shrub

Ø

Tree sp.

girth

Ht.

33 + 94 .0

Ø

Forb

1.5

Grass

*B. grass*

.1

Cryptogam Lichen  
Moss

Algae

BUC

Ø  
Ø  
ØRock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

*Bg*Ø  
Ø  
3Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

Ø

Shrub

Ø

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
33+94.5	∅	Forb		
	.8	Grass <i>65 B. grass</i>	<i>15 B. grass</i>	
	∅	Cryptogam Lichen Moss	Algae	BUC
	∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	<i>Bg</i>
	∅	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°	
	2.5			
	∅	Shrub		
	∅	Tree sp.	girth	Ht.
33+95.0	∅	Forb		
	.8	Grass <i>18 B. grass</i>		
	.1	Cryptogam Lichen Moss	Algae	BUC
	∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	
	∅	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°	
	2			
	∅	Shrub		
	∅	Tree sp.	girth	Ht.
33+95.5	∅	Forb		
	1.5	Grass <i>B. grass</i>		
	.6	Cryptogam Lichen Moss	Algae	BUC
	∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil	<i>Bg</i>
	∅	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°	
	4			
	∅	Shrub		
	∅	Tree sp.	girth	Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+96.0

0

Forb

1

Grass

*B. grass*

.6

Cryptogam Lichen / BUC .1

Moss .5  
*(white)*

Algae

BUC

0

Rock > 6cm

0

Stone < 6cm > 2cm

0

Pebble < 2cm

Soil

*ant activity*

*Bg*

0

Woody debris > 7.5cm

.4

Debris > 1cm < 7.5cm *opuntia emb*

3.5

Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+96.5

0.2

Forb *Comnel.*

2.7

Grass *2.5 Panicum, 11 Sit lup, 2.1 Bou*

0

Cryptogam Lichen

Moss

Algae

BUC

0

Rock > 6cm

0

Stone < 6cm > 2cm

0

Pebble < 2cm

Soil

*opuntia emb. canopy*

*Bg*

0

Woody debris > 7.5cm

4

Debris > 1cm < 7.5cm *opuntia emb.*

40

Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

33+97.0

43

Forb *43% opuntia emb.*

.6

Grass *1 Sit lup, 5 panicum*

0

Cryptogam Lichen

Moss

Algae

BUC

0

Rock > 6cm

0

Stone < 6cm > 2cm

0

Pebble < 2cm

Soil

*opuntia emb canopy*

*10% Bg*

0

Woody debris > 7.5cm

46.4

Debris > 1cm < 7.5cm

Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

% quad

33+97.5

5

Forb 5% opuntia emb

6

Grass 6% panicum

0

Cryptogam Lichen  
Moss Algae BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

0 Bq

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

opuntia emb canopy

0

Shrub

0

Tree sp. girth Ht.

33+98.0

0.2

Forb Comnel.

.4

Grass 0.1 Bow 3 Sit. lya.

.1

Cryptogam Lichen 1.70  
Moss Algae BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

67.3 Bq

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

opuntia emb canopy

0

Shrub

0

Tree sp. girth Ht.

33+98.5

.15

Forb 15% d. eleg

-2.5

Grass 6% grass

3

Cryptogam Lichen  
Moss Algae BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

85.35 Bq

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

0

Shrub

0

Tree sp. girth Ht.

Line no: 1 Bearing: North Date: 7/25/93 Name: JARL/LMP

		% quad			
33+99.0	<4.15	Forb	1 thistle, <.1 sphaeralcea coc, 4 mammalaria nigra		
	2	Grass	1.9 B. grass, 1 panicum		
	1	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock >6cm	Soil		> 85.85 Bg
	0	Stone <6cm>2cm			
	0	Pebble <2cm			
	0	Woody debris >7.5cm	Slope: 0°		
	0	Debris >1cm<7.5cm			
	7	Debris < 1cm			
0	Shrub				
0	Tree sp.	girth	Ht.		
33+99.5	<.1	Forb	<.1 sphaeralcea		
	1	Grass	.5 B. grass, .5 B. chive		
	1	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock >6cm	Soil		> 90.9 Bg
	0	Stone <6cm>2cm			
	0	Pebble <2cm			
	0	Woody debris >7.5cm	Slope: 0°		
	0	Debris >1cm<7.5cm			
	7	Debris < 1cm			
0	Shrub				
0	Tree sp.	girth	Ht.		
133+ 0.0	.02	Forb	sphaeralcea, s. elaeag		
	1	Grass	B. grass		
	2	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock >6cm	Soil		Bg
	0	Stone <6cm>2cm			
	0	Pebble <2cm			
	0	Woody debris >7.5cm	Slope:		
	0	Debris >1cm<7.5cm			
	4.5	Debris < 1cm			
0	Shrub				
0	Tree sp.	girth	Ht.		

Line no:

Bearing:

Date:

Name:

% quad

133+ 0.5	0	Forb			
	.8	Grass	.05 B. grass		
	.5	Cryptogam	Lichen	Algae	BUC
		Moss			
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
	0	Debris > 1cm < 7.5cm			
	3	Debris < 1cm		Slope: 0°	
	0	Shrub			
	0	Tree sp.	girth	Ht.	
133+ 1.0	.02	Forb	.01 Sphacelaeae, .01 Sol. elag		
	.5	Grass	.5 B. grass		
	1	Cryptogam	Lichen	Algae	BUC
		Moss			
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
	0	Debris > 1cm < 7.5cm			
	1.5	Debris < 1cm		Slope: 0°	
	0	Shrub			
	0	Tree sp.	girth	Ht.	
133+ 1.5	.02	Forb	.01 Sphacelaeae, .01 erigon		
	1.5	Grass	B. grass		
	3.5	Cryptogam	Lichen	Algae	BUC / lichen 3.5
		Moss			
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
	0	Debris > 1cm < 7.5cm			
	4	Debris < 1cm		Slope: 0°	
	0	Shrub			
	0	Tree sp.	girth	Ht.	



Line no:                      Bearing:                      Date:                      Name:

	% quad			
133+ 2.0	0	Forb		
	1.5	Grass	1.5 B. grass	
	3	Cryptogam	Lichen Moss	Algae                      BUC / lichen 3
	0	Rock > 6cm	Soil	
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope:	
	0	Debris > 1cm < 7.5cm		
	4	Debris < 1cm		
	0	Shrub		
0	Tree sp.	girth	Ht.	
133+ 2.5	.01	Forb	.01 soil clay	
	1	Grass	B. grass	
	2.5	Cryptogam	Lichen / BUC Moss	Algae                      BUC                      -2.5
	0	Rock > 6cm	Soil	Bq
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
	3	Debris < 1cm		
	0	Shrub		
0	Tree sp.	girth	Ht.	
133+ 3.0	.02	Forb	.01 soil clay, .01 sphaerules coc	
	2	Grass	B. grass	
	3	Cryptogam	Lichen Moss	Algae                      BUC / lichen
	0	Rock > 6cm	Soil	Bq
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
	7	Debris < 1cm		
	0	Shrub		
0	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

133+ 3.5

.07

Forb

*.01 sphaerocarpos coc, .01 soil slag*

2.5

Grass

*2.5 B. grass*

2.5

Cryptogam Lichen  
Moss

Algae

BUC / lichen - 2.5

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*B5*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

5

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

133+ 4.0

.0

Forb

2

Grass

*B. grass*

2

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*ant activity*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

4.5

Debris &lt; 1cm

Slope:

0

Shrub

0

Tree sp.

girth

Ht.

133+ 4.5

.02

Forb

*.01 soil slag, .01 chenopodium*

1

Grass

*B. grass*

2

Cryptogam Lichen / BUC - 2  
Moss

Algae

BUC

0

Rock &gt; 6cm

0

Stone &lt; 6cm &gt; 2cm

0

Pebble &lt; 2cm

Soil

*B9*

0

Woody debris &gt; 7.5cm

0

Debris &gt; 1cm &lt; 7.5cm

3

Debris &lt; 1cm

Slope: 0°

0

Shrub

0

Tree sp.

girth

Ht.

Line no:                      Bearing:                      Date:                      Name:

		% quad			
133+	5.0	.02	Forb	.02 sd clay	
		.8	Grass	B. grass	
		1	Cryptogam	Lichen	
			Moss	Algae	BUC/lichen-1
			Rock >6cm	Soil	Bq
			Stone <6cm>2cm		
			Pebble <2cm		
			Woody debris >7.5cm	Slope: 0°	
		Debris >1cm<7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
133+	5.5		Forb		
		1.5	Grass	B. grass	
		2.5	Cryptogam	Lichen	
			Moss	Algae	BUC/lichen 2.5
			Rock >6cm	Soil	Bq
			Stone <6cm>2cm		
			Pebble <2cm		
			Woody debris >7.5cm	Slope: 0°	
		Debris >1cm<7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	
133+	6.0		Forb		
		1	Grass	B. grass	
		.5	Cryptogam	Lichen	
			Moss	Algae	BUC/lichen .5
			Rock >6cm	Soil	Bq
			Stone <6cm>2cm		
			Pebble <2cm		
			Woody debris >7.5cm	Slope: 0°	
		Debris >1cm<7.5cm			
		Debris < 1cm			
		Shrub			
		Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

133+6.5

.01

Forb

.01 desert on cecalling

1

Grass

B. grass

.5

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

Bq

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

3.5

0

Shrub

0

Tree sp.

girth

Ht.

133+7.0

.01

Forb

.01 Sphaeralcea coc

1

Grass

B. grass

.5

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

Bq

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

3.5

0

Shrub

0

Tree sp.

girth

Ht.

133+7.5

0

Forb

.5

Grass

B. grass

2.5

Cryptogam Lichen  
Moss

Algae

BUC

0

Rock > 6cm  
Stone < 6cm > 2cm  
Pebble < 2cm

Soil

Bq

0

Woody debris > 7.5cm  
Debris > 1cm < 7.5cm  
Debris < 1cm

Slope: 0°

2

0

Shrub

0

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
133+ 8.0	0	Forb		
	1.5	Grass	14 B. grass, 1 Panicum	
	2	Cryptogam	Lichen Moss	1 BUC - 2 Algae BUC
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		Slope: 0°
	0	Debris > 1cm < 7.5cm		
0	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	
133+ 8.5	0.01	Forb	0.01 sd clay	
	1	Grass	6 B. grass, 4 Panicum	
	1	Cryptogam	Lichen Moss	Algae BUC
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		Slope: 0°
	0	Debris > 1cm < 7.5cm		
4	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	
133+ 9.0	0	Forb		
	2	Grass	2 B. grass	
	1	Cryptogam	Lichen Moss	Algae BUC
	0	Rock > 6cm		Soil
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm		Slope: 0°
	0	Debris > 1cm < 7.5cm		
5	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

133+9.5	0	Forb			
	2	Grass	1.4 B. grass, b. festuca		
	1.5	Cryptogam	Lichen/BUC-1.5	Algae	BUC
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
	0	Debris > 1cm < 7.5cm			
	4.5	Debris < 1cm		Slope: 0°	
	0	Shrub			
	0	Tree sp.	girth	Ht.	
133+10.0	.01	Forb	.01 Sol clay		
	1.5	Grass	B. grass		
	1	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
	0	Debris > 1cm < 7.5cm			
	5	Debris < 1cm		Slope: 0°	
	0	Shrub			
	0	Tree sp.	girth	Ht.	
133+10.5	0	Forb			
	1.5	Grass	B. grass		
	1	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm		Soil	
	0	Stone < 6cm > 2cm			Bg
	0	Pebble < 2cm			
	0	Woody debris > 7.5cm			
	0	Debris > 1cm < 7.5cm			
	5	Debris < 1cm		Slope: 0°	
	0	Shrub			
	0	Tree sp.	girth	Ht.	

Line no:

Bearing:

Date:

Name:

% quad

133+ 11.0

∅

Forb

1

Grass

B. grass

3.1

Cryptogam

Lichen / BUC 3

white lichen

Moss

Algae

BUC

∅

Rock > 6cm

∅

Stone < 6cm > 2cm

∅

Pebble < 2cm

Soil

Bg

∅

Woody debris > 7.5cm

∅

Debris > 1cm < 7.5cm

3

Debris < 1cm

Slope: 0°

∅

Shrub

∅

Tree sp.

girth

Ht.

133 + 11.5

3

Forb

3% opuntia emb

1.5

Grass

B. grass

.1

Cryptogam

Lichen

Moss

Algae

BUC

∅

Rock > 6cm

∅

Stone < 6cm > 2cm

∅

Pebble < 2cm

Soil

Bg

11.60 + 12.2

opuntia canopy emb

∅

Woody debris > 7.5cm

4

Debris > 1cm < 7.5cm opuntia emb

6

Debris < 1cm

Slope: 0°

∅

Shrub

∅

Tree sp.

girth

Ht.

133 + 12.0

.02

Forb

.02 Schaerckia coc.

.6

Grass

.5 B. grass, .1 sit-lyop

1.05

Cryptogam

Lichen

Moss

Algae Nostoc-1% BUC / lichen-.05

∅

Rock > 6cm

∅

Stone < 6cm > 2cm

∅

Pebble < 2cm

Soil

Bg

∅

Woody debris > 7.5cm

.5

Debris > 1cm < 7.5cm

1.5

Debris < 1cm

Slope: 0°

∅

Shrub

∅

Tree sp.

girth

Ht.

Line no:

Bearing:

Date:

Name:

	% quad			
133+12.5	0	Forb		
	1.5	Grass <i>B. grass</i>		
	.5	Cryptogam Moss	Lichen	Algae BUC
	0	Rock > 6cm	Soil	<i>Bg</i>
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
3.5	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	
133+13.0	0	Forb		
	1	Grass <i>B. grass</i>		
	1.5	Cryptogam Moss	Lichen	Algae BUC
	0	Rock > 6cm	Soil	<i>Bg</i>
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm		
4	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	
133+13.5	.01	Forb <i>DB Spherical</i>		
	1	Grass <i>B. grass</i>		
	1.5	Cryptogam Moss	Lichen	Algae BUC
	0	Rock > 6cm	Soil	<i>Bg</i>
	0	Stone < 6cm > 2cm		
	0	Pebble < 2cm		
	0	Woody debris > 7.5cm	Slope: 0°	<i>Shadow of 4' juniper from 135 m to 15.0 m.</i>
	0	Debris > 1cm < 7.5cm		
3	Debris < 1cm			
0	Shrub			
0	Tree sp.	girth	Ht.	



Line no:                      Bearing:                      Date:                      Name:

% quad			
133+14.D	∅	Forb	
	1	Grass <i>B. grass</i>	
	.5	Cryptogam Lichen Moss	Algae BUC
	∅ ∅ ∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil <i>Bg</i>
	∅ ∅ 5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°
	∅	Shrub	
	∅	Tree sp.	girth                      Ht.
133+14.G	.02	Forb <i>.02 soil clay</i>	
	.8	Grass <i>B. grass</i>	
	2.6	Cryptogam Lichen Moss	Algae <i>Moss</i> - BUC - 2.5
	∅ ∅ ∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil <i>Bg</i>
	∅ ∅ 4	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°
	∅	Shrub	
	∅	Tree sp.	girth                      Ht.
133+15.D	∅	Forb	
	1	Grass <i>B. grass</i>	
	1.5	Cryptogam Lichen / BUC - 1.5 Moss	Algae BUC
	∅ ∅ ∅	Rock > 6cm Stone < 6cm > 2cm Pebble < 2cm	Soil <i>Bg</i>
	∅ ∅ 3.5	Woody debris > 7.5cm Debris > 1cm < 7.5cm Debris < 1cm	Slope: 0°
	∅	Shrub	
	∅	Tree sp.	girth                      Ht.

Line no:                      Bearing:                      Date:                      Name:

		% quad			
133+15.5	10	Forb	10% <i>quantia poly</i>		
	1	Grass	<i>B. grass</i>		
	2.0	Cryptogam	Lichen	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		<i>BQ</i>
	0	Stone < 6cm > 2cm			
		0	Pebble < 2cm	.1 Bunny Skat	
		0	Woody debris > 7.5cm	Slope: 0°	
	0	Debris > 1cm < 7.5cm			
	3	Debris < 1cm			
	0	Shrub			
	0	Tree sp.	girth	Ht.	
133+16.0	0	Forb			
	1	Grass	<i>B. grass</i>		
	1.2	Cryptogam	Lichen	Algae	BUC .1
			Moss	<i>Nostoc</i> -.1	
	0	Rock > 6cm	Soil		<i>BQ</i>
	0	Stone < 6cm > 2cm			
		0	Pebble < 2cm	Slope: 0°	
		0	Woody debris > 7.5cm		
	0	Debris > 1cm < 7.5cm			
	3	Debris < 1cm			
	0	Shrub			
	0	Tree sp.	girth	Ht.	
133+16.5	.01	Forb	<i>.01 seedling</i>		
	1.	Grass	<i>B. grass</i>		
	.5	Cryptogam	Lichen / BUC - .5	Algae	BUC
			Moss		
	0	Rock > 6cm	Soil		<i>BQ</i>
	0	Stone < 6cm > 2cm			
		0	Pebble < 2cm	Slope: 0°	
		0	Woody debris > 7.5cm		
	0	Debris > 1cm < 7.5cm			
	3.5	Debris < 1cm			
	0	Shrub			
	0	Tree sp.	girth	Ht.	

Line no:                      Bearing:                      Date:                      Name:

	% quad			
.0		Forb		
		Grass		
		Cryptogam    Lichen Moss	Algae	BUC
		Rock>6cm Stone <6cm>2cm Pebble <2cm	Soil	
		Woody debris >7.5cm Debris >1cm<7.5cm Debris < 1cm		Slope:
		Shrub		
		Tree sp.	girth	Ht.
.5		Forb		
		Grass		
		Cryptogam    Lichen Moss	Algae	BUC
		Rock>6cm Stone <6cm>2cm Pebble <2cm	Soil	
		Woody debris >7.5cm Debris >1cm<7.5cm Debris < 1cm		Slope:
		Shrub		
		Tree sp.	girth	Ht.
.0		Forb		
		Grass		
		Cryptogam    Lichen Moss	Algae	BUC
		Rock>6cm Stone <6cm>2cm Pebble <2cm	Soil	
		Woody debris >7.5cm Debris >1cm<7.5cm Debris < 1cm		Slope:
		Shrub		
		Tree sp.	girth	Ht.

Date: 8-17-94 PLOT ID 1-5.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-18	diffuse	sandy clay loam	1/x x/x		5YR 3/3		com. very fine		Roots become fewer abruptly at 9cm.
C <sub>1k</sub>	19-49		Silt loam	1/x x/x		5YR 5/3		few-absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_  
 Diffuse transition: 14-26cm  
 Mostly soil w/ few BOER, BOCU.

Date: 8/17/94 PLOT ID 1-15.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-17cm	Clear	loam	1/x x/x		5YR 3/4		Common very fine		
C <sub>1k</sub>	17-30cm		Sandy loam	* 30 gravel x/x		5YR 5/3		absent		* Some K nodules, some rock.

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_  
 Aborted first hole - hit rock @ 12cm. moved again - hit rock @ 15cm. → 4m east of line  
 Hit impenetrable K/ @ 30cm Mostly rock + soil w/ some BOER/BOCU (TIED SUMU near by)

Date: 8-17 PLOT ID 55.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-17 cm	gradual	Sandy loam	X   X X   X		5YR 3/3				very fine - common
C <sub>1</sub>	17-42 cm		loam	50   X X   X		5YR 4/4				absent gravel = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER/BOMI w/ much (50%) bare ground  
Struck impenetrable layer at bottom of C<sub>1</sub>

Date: 8-17 PLOT ID 1-25.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
O <sub>2</sub>	0-1cm	abrupt	JUM0/ Quercus undulata litter	X   X X   X						
A <sub>1</sub>	0-45	clear	Sandy loam	X   X X   X		5YR 3/3				few very fine
C <sub>1</sub>	45-56		Silty loam	X   X X   X		5YR 3/4				absent

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Sample under  
Nolina microcarpa + Quercus undulata  
First auguring attempt foiled by rocks

Date: 8-17-94 PLOT ID 1-35.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-20 cm	clear	silt clay	X   X X   X		7.5YR <sup>3/4</sup>		few fine		
B <sub>1</sub>	20-56		silt loam	5   X X   X		5YR <sup>5/4</sup>		absent		bottomed on rock

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Mostly soil w/ some orozopsis

Date: 8-17-94 PLOT ID 1-45.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
OL litter	0-1cm	abrupt		+		<del>7.5YR<sup>3/4</sup></del>				
A <sub>1</sub>	1-17cm	gradual	silt loam	X   X X   X		7.5YR <sup>3/4</sup>		Common very fine few-fine coarse-few		
B <sub>1</sub>	17-49	Diffuse	loam	30   X X   X		5YR <sup>3/4</sup>		absent		
B <sub>2</sub>	49-78cm		silt loam	30   X X   X		5YR <sup>5/4</sup>		absent		soil below was impenetrable

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Ground: mostly litter w/ BOCU + Orozopsis nearby.

Mamalaria Writii 3m. west of flag

Date: 8-17-94 PLOT ID 1-65.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-9cm	clear	loam	x/x x/x						
					10YR 2/2			very fine fine both common		
B1	9-25cm	clear	loam	x/x x/x						
					5YR 3/3			fin few		
C1	25-49cm		loam	5/x x/x						
					5YR 5/2			Absent		gravel = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Aborted fist hole - hit rock @ 21cm

BOHI, BOCU - Mostly Bare Soil

Date: 8-17-94 PLOT ID 1-75.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-13cm	grad.	loam	x/x x/x						
					5YR 3/2			Very fine- common		
B1	13-32cm	gradual		* 10/x x/x						
					7.5YR 3/4			Very fine- common		* Nodules of caliche f
C1k	32-37cm		Sandy loam	2/x x/x						
					5YR 3/3			absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOCU, BOER, BOHI mostly grass cover

Date: 8/17/94 PLOT ID 1-85.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-16cm	Gradua	loam	X   X X   X		5YR 3/2		Very fine - common		
B1	16-39cm	clear	Clay loam	X   X X   X		10YR 3/6		very fine - few		
Clk	39-68cm		silt loam	15   X X   X		7.5YR 4/4		absent		Caliche nodules = gravel fraction

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa neomexicana*, BOER - mostly vegetated

Date: 8/18/94 PLOT ID 1-95.25 9100 -

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-15	Gradua	Sandy loam	X   X X   X		5YR 3/2		Very fine Common		
B1	15-39cm	clear	loam	3   X X   X		5YR 3/3		very fine common - few	pH 8	Caliche nodules
Clk	39-45cm		loam	20   X X   X		5YR 4/3		Absent		gravel fraction is caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa neomexicana*, BOGR - mostly vegetated



Date: 8/18/94 PLOT ID 1-105.25

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist   Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-13	gradual	clay loam	X   X X   X			very fine common fine few		
B1	13-24	gradual	silt loam	X   X X   X			very fine few		
B2	24-40	diffuse	silt loam	X   X X   X			very fine few		
C1k	40-60		silt loam	10   X X   X			absent		gravel fragments = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER/ Stipa neomex.

Date: 8/18/94 PLOT ID 115.25

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist   Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-13	gradual	silt loam	X   X X   X			very fine common		
B1	13-26	diffuse	loam	X   X X   X			very fine few		
B2	26-40	gradual	clay silt	X   X X   X			very fine few		
C	40-61		sandy silt	5%   X X   X			absent		*caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Stipa neomexicana, BOGR

Date: 9-10-94 PLOT ID 2-165.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-33cm	clear	sandy loam	X X X X		5YR 3/3				
B <sub>1</sub>	33-58cm	gradual	clay loam	15 X X X		5YR 4/3				gravel = caliche nodules
C <sub>1k</sub>	58-70cm		sandy loam	20 X X X		7.5YR 5/4				gravel = caliche

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, BOGU

Date: 9-10-94 PLOT ID 2-175.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
O <sub>L</sub>	7-0 cm	abrupt								JUMO litter w/ some mold
A <sub>1</sub>	0-30 cm	clear	sandy loam	0 X X X		5YR 3/2		fine-few medium-few		
B <sub>1</sub>	30-77cm	clear	silt loam	0 X X X		5YR 4/3		fine-few medium-few		
C <sub>1k</sub>	77-80 cm		NOT	ENOUGH	SAMPLE					

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

JUMO w/ BOGR + BOER surrounding tree (core within JUMO canopy)  
 core bottomed on hard layer of caliche

Date: 9-10-94 PLOT ID 2-185.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments	
A1	0-18cm	clear	Loam	X/X X/X							very fine - common
B1	18-39cm	diffuse	loam								Very fine - few
B2	39-70cm	clear	silty clay	3/X X/X							very fine - few gravel fraction equals caliche nodules
C1k	70-77cm		silt loam	5/X X/X							gravel fraction caliche

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w BOCU (JUMO west of core by 2m)

Date: 9-10-94 PLOT ID 2-195.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments	
A1	0-47cm	graded	loam	0/X X/X							very fine common
B1	47-72cm	clear	silty clay loam	3/X X/X							very fine - few

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w some Arisida sp. Stovek hard caliche layer at 72cm

Date: 8-18-94 PLOT ID 1-145.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-19cm	gradual	clay-silt	X   X X   X						
						5YR 3/2				Very fine common
B <sub>1</sub>	19-34cm	gradual	clay	X   X X   X						
						7.5YR 3/4				very fine few
B <sub>2</sub>	34-59cm	clear	silt-loam	* 5   X X   X						
						5YR 3/4				very fine few
C <sub>1</sub>	59-79cm	clear	silt loam	10   X X   X						
						7.5YR 4/4				absent
C <sub>2</sub>	79-89cm		silt loam	* 3   X X   X						
						5YR 4/4				absent

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w/ *Panicum obtusum*

Date: 8/18/94 PLOT ID 1-155.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-16cm	clear	clay-silt	X   X X   X						
						10YR 3/3				very fine common
A <sub>2</sub>	16-31cm	clear	clay	X   X X   X						
						10YR 3/4				very fine few
B <sub>1</sub>	31-51cm	gradual	clay-silt	* 10   X X   X						
						7.5YR 3/4				very fine few to absent
B <sub>2</sub>	51-79cm	diffuse	silt	15   X X   X						
						7.5YR 3/4				absent
B <sub>3</sub>	79-97cm	clear	silt	10   X X   X						
						7.5YR 4/6				absent
Clk	97-102cm		sandy silt	X   X X   X						
						5YR 4/2				absent for both

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 8/18/94 PLOT ID 1-165.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-17 cm	grad.	silty clay	x/x x/x						
						5YR 3/3				fine, common
B <sub>1</sub>	17-46 cm	grad.	silt loam	x/x x/x						
						5YR 3/3				very fine few
B <sub>2</sub>	46-110 cm		silt	1/x x/x						
						5YR 3/4				absent

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

B<sub>2</sub> bottoms on impenetrable layer

Date: 8-18-94 PLOT ID 1-175.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-20 cm	gradual diffuse	silt clay	x/x x/x						
						7.5 YR 3/4				very fine common
B <sub>1</sub>	20-50 cm	diffuse	silty clay	30/x x/x						
						7.5 YR 3/4				very fine common
B <sub>2</sub>	50-115 cm		silt	6/x x/x						
						10 YR 3/6				gravel fraction clay nodules gravel clay nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

hit impenetrable layer at 115

Date: 8-18-94 PLOT ID 1-185.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-24cm	gradual	silty loam	X   X X   X						
						5YR 3/3		very fine few common		
B <sub>1</sub>	24-52		silty loam	X   X X   X						
						5YR 3/4		very fine few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Expect <sup>Air</sup> B layer goes down at least to 100cm. spent 15 minutes  
and made no verticle progress switching of between Cult. Phil.

Date: 8-18-94 PLOT ID 1-195.25

Need a heavy gear.

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-25cm	clear	silty clay	X   X X   X						
						5YR 3/3		very fine common fine few		
B <sub>1</sub>	25-49	gradual	silty clay	X   X X   X						
						7.5YR 3/4		very fine few		
B <sub>2</sub>	49-90	Diffuse	silty loam	X   X X   X						
						5YR 3/4		absent		
C <sub>1k</sub>	90-110		silt	5   X X   X						
						5YR 3/4				like B <sub>2</sub> w/ scattered caliche chunks

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 8-18-94 PLOT ID 205.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-18 cm	clear	silty clay	X   X X   X						
						7.5YR 3/4		very fine common		
B1	18-43 cm	gradual	silty clay	10 ft X   X						
						7.5YR 3/4		very fine few		Grav. % = Clay nodules
B2	43-97 cm	diffuse	silt	5   X X   X						
						5YR 4/3		absent		Gravel fraction = clay nodules
CIK	97-105 cm		silt	5   X X   X						
						5YR 4/4		absent		Caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR - 30cm east of line to avoid OPEM

Date: 8/18/94 PLOT ID 215.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-22 cm	clear	silty clay	X   X X   X						
						5YR 3/3		very fine common		
B1	22-55 cm	diffuse	clay	X   X X   X						
						5YR 3/3		very fine few		
B2	55-73 cm	diffuse	silty clay	3   X X   X						
						5YR 3/4		absent		gravel fraction of clay nodules
CIK	73-79 cm		silty loam	X   X X   X						
						5YR 3/4		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

14 Date: 8/18/94 PLOT ID - 225.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-24 cm	clear	loam	X   X X   X		5YR 3/3		very fine - common		
B <sub>1</sub>	24-64 cm	clear	silt-clay	X   X X   X		5YR 3/4		very fine few		
B <sub>2</sub>	64-88 cm	clear	clay	X   X X   X		5YR 3/4				
C <sub>1k</sub>	88-103 cm		silt	40   X X   X		7.5YR 4/4				40% Caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

15 Date: 8-18-94 PLOT ID 1-235.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-33	Clear	silty clay	X   X X   X		7.5YR 3/4		very fine common		
B <sub>1</sub>	33-57	clear	silty clay	X   X X   X		7.5YR 3/4		very fine few		
B <sub>2</sub>	57-104 cm	clear	silty clay	X   X X   X		7.5YR 3/4		absent		
C <sub>1k</sub>	104-112 cm		silty loam	X   X X   X		5YR 3/4		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

306R



Date: 8/19/94 PLOT ID 1-245.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-21cm	gradual	silty clay (40%cl)	X/X X/X		7.5YR $\frac{3}{4}$		very fine common		
B1	21-44cm	gradual	silty clay (50%cl)	X/X X/X		7.5YR $\frac{3}{4}$		very fine few		
B2	44-70		silt loam	X/X X/X		7.5YR $\frac{3}{4}$		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit an impenetrable layer at 70cm.

BOGR

Date: 8-19-94 PLOT ID 1-255.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-21 cm	clear	loam	X/X X/X		5YR $\frac{3}{3}$		very fine common		
B <sub>1</sub>	21-40 cm	clear	silty clay loam	X/X X/X		7.5YR $\frac{3}{4}$		very fine few		
B <sub>2</sub>	40-70 cm		silt loam	X/X X/X		7.5YR $\frac{3}{4}$		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit impenetrable layer at 70cm.

BOGR

Date: 8/19/94 PLOT ID 1-265.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist				
A1	0-27	gradual	silty clay	X/X X/X		5YR 3/3				very fine common
B1	27-65	diffuse	silty clay	10/X X/X		5YR 3/4				gravel fraction = clay nodules
C1K	65-72		silt loam	2/X X/X		5YR 3/4				gravel fraction = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 8/19/94 PLOT ID 1-275.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist				
A <sub>1</sub>	0-20 cm	gradual	loam	X/X X/X		7.5YR 3/4				very fine - common
B <sub>1</sub>	20-39 cm	clear	silty clay	6/X X/X		5YR 3/4				very fine - few
C <sub>1K</sub>	39-47 cm			5/X X/X		7.5YR 4/4				med. few gravel fraction caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR/BOCU

5

Date: 8/19/94 PLOT ID 1-295.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
OL	7cm	abrupt								PIED duff of white mold
A1	0-10	clear	sandy loam	X/X X/X				very fine common		
B1	10-28		silt * loam	30/X X/X				very fine few		gravel fraction = caliche nodules
CIK	28-30		no core pulled impenetrable					absent		could not penetrate

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Ground out on caliche layer.

\* gritty/sandy component prominent - mostly due to caliche grit

Stipa neomexicana below PIED w/ Rhus

6

Date: 8/19/94 PLOT ID 1-295.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
B1	0-27			20/X X/X				Very fine Common		gravel fraction = caliche nodules
CIK	27-		Could not penetrate to remove core							

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Stipa neomexicana/BoER

Partly developed soil - no A horizon. Caliche scattered everywhere - possibly from burrowing mammals.

7 Date: 8/19/94 PLOT ID 305.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-8cm	clear	Sandy loam	X/X X/X		5YR 3/2		very fine - common		
B <sub>1</sub>	8-34 cm	diffuse	Sandy loam	10/X X/X		5YR 3/3		coarse - few		gravel = caliche nodules
Clk	34-41 cm		silty loam*	20/X X/X		5YR 4/3		absent		gravel fraction equals caliche nodules * grit component of loam is supplied by caliche particles

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

First 2 boring attempts bottomed at 20 cm

BOGR/BOER w/ some Stipa neomexicana, 50% bare ground

8 Date: 8/19/94 PLOT ID 315.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-7cm	clear	silty loam	X/X X/X		7.5YR 3/4		very fine common		
B <sub>1</sub>	7-20cm	gradual	silty loam	15/X X/X		7.5YR 3/4		very fine few		gravel fraction = caliche
C <sub>1</sub>	20-28cm		sandy loam	25/5 X/X		5YR 3/3		absent		gravel fraction = caliche cob. frac. = K also

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Stipa neomexicana (some BOER & BOGE present) Mostly bare soil (~30% veg cover)

9 Date: 8/19/94 PLOT ID 1-325.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-13 cm	clear	loam	X   X X   X						
						5YR 3/3				very fine - common
B <sub>1</sub>	13-38 cm	diffuse	silty loam	X   X X   X						
						7.5YR 3/4				very fine - few coarse - few
C <sub>1k</sub>	38-49 cm		NOT ENOUGH SAMPLE							absent

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa neomexicana* w/ some BOER

10 Date: 8/19/94 PLOT ID 1-335.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-7 cm	clear	silty loam	30   5 X   +						
						10YR 2/2				gravel & cobbles = calcic nodules
B <sub>1</sub>	7-32 cm	diffuse	silty loam	35   X X   X						
						7.5YR 3/2				gravel fragments equals calcic nodules
C <sub>1</sub>	32-44 cm		sandy loam	40   X X   X						
						5YR 4/3				gravel & sand components equal calcic nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

aborted first core because of rocks

*Stipa neomexicana*

Date: 8-19-94 PLOT ID 1-345.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-5 cm	clear	loam	30   x x   x		7.5YR 3/4		very fine - common		gravel component caliche
B <sub>1</sub>	5-24	diffuse	loam	25   x x   x		5YR 3/3		very fine - few		"
C <sub>1k</sub>	24-41		Sandy loam	20   x x   x		5YR 3/4				"

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa neomexicana* / BOGR (Some BOCU present)

Date: 8/19/94 PLOT ID 1-355.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-19 cm	clear	loam	x   x x   x		5YR 3/4		very fine common		
B <sub>1</sub>	19-46 cm	clear		x   x x   x		5YR 3/4		very fine common		
C <sub>1k</sub>	46-60 cm		Sandy loam	50   x x   x		7.5YR 4/6				Gravel + sand components are caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

13

Date: 8/19/94 PLOT ID 1-365.25

SOIL DESCRIPTION FORM-SHORT AUG 1994 NMNHP

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-33 cm	clear	loam	X   X X   X				very fine - common		
B <sub>1</sub>	33-45 cm	clear	silty clay loam	X   X X   X		5YR 3/3		very fine - few medium - few		
B <sub>2</sub>	45-61 cm	diffuse	silty clay loam	X   X X   X		5YR 3/4		medium - few		
C <sub>1k</sub>	61-79 cm		silty loam	40   X X   X		7.5YR 4/4		absent		gravel fraction = capillary pores

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w/ *Panicum obtusum*

14

Date: 8/19/94 PLOT ID 1-375.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-25 cm	clear	loam	X   X X   X		5YR 3/4		very fine common		
B <sub>1</sub>	25- 50cm	clear	clay	X   X X   X		5YR 3/4		very fine common		fine clay - locks plasticity when moistened high in cell walls
B <sub>2</sub>	50- 70cm	gradual	silty loam	X   X X   X		5YR 3/4		absent		
B <sub>3</sub>	70- 105cm	clear	silty clay loam	X   X X   X		7.5YR 4/4				
C <sub>1k</sub>	105- 107									

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 8-19 PLOT ID 1-385.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-31 cm	clear	loam	X/X X/X		5YR 3/3		very fine - common		
B <sub>1</sub>	31-42 cm	clear	silty clay	X/X X/X		5YR 3/3		very fine - few		
B <sub>2</sub>	42-120 cm		silty loam	2/X X/X		5YR 3/2		very fine - few (42-66 cm)		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

B06R

Date: 8-19-94 PLOT ID 1-395.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-23 cm	clear	clay	X/X X/X		5YR 5/3		very fine common		only slightly plastic when moistened
B <sub>1</sub>	23-60 cm	abrupt	clay	X/X X/X		5YR 3/4		very fine common		clay is high in colloids not very plastic
B <sub>2</sub>	60-107 cm		silty loam	X/X X/X		5YR 3/2		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Bottomed out @ 107cm. Hit an impenetrable soil layer. Auger just spins, does not bite.  
 B06R



Date: 8/19/94 PLOT ID 1-405.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-37cm	gradual	Clay-loam	X   X X   X						
						5YR 3/3				Very fine - common
B <sub>1</sub>	37-72cm	gradual	silty clay loam	X   X X   X						
						7.5YR 3/4				very fine - few
B <sub>2</sub>	72-115cm		Clay loam	X   X X   X						
						7.5YR 4/4				absent

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w/ Aristida sp

Date: 8-20-94 PLOT ID 1-415.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-20cm	-	silty loam							
						7.5YR 3/4				very fine common
B <sub>1</sub>	20-45cm		Clay loam							
						5YR 3/4				very fine common
B <sub>2</sub>	45-98cm		silty clay							
						5YR 3/4				absent
Clk	98-116cm		Silt loam	3   X X   X						
						5YR 4/4				absent

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

① Date: 8-20-94 PLOT ID: 425.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-25cm	grad.	loam	X   X X   X						
						5YR 3/3		very fine - common		
B <sub>1</sub>	25-47cm	grad.	clay loam	X   X X   X						
						5YR 3/4		very fine - low		
B <sub>2</sub>	47-84cm	clear	silty clay loam	X   X X   X						
						5YR 4/7				
C <sub>1k</sub>	84-106cm		silt loam	10   X X   X						gravel = caliche
						5YR 5/4				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR/Andropogon w/ Aristida + Licurus

③ Date: 8/20/94 PLOT ID: 1-435.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-10 cm	clear	silt loam	X   X X   X						
						5YR 3/2		very fine common		
B <sub>1</sub>	10-36	grad	loam	X   X 1   X						
						5YR 3/3		very fine common		
B <sub>2</sub>	36-53	degrad	loam	10   X X   X						gravel = caliche
						7.5YR 4/4		absent		
C <sub>1k</sub>	53-65		silt loam	40   X X   X						gravel/fragments = caliche nodules
						5YR 4/7		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR, BOER

Date: 8-20-94 PLOT ID 1-445.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
O <sub>1</sub>	3cm	abrupt	—	—	—	—				
A <sub>1</sub>	0-6cm	clear	loam	X/X X/X				very fine - common		
B <sub>1</sub>	6-36cm	diffuse	sandy loam	5/X X/X				very fine = common fine - few		Gravel = caliche nodules
C <sub>1k</sub>	38-53 cm			35/X X/X				fine - few medium - few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Under canopy of JUMO : BOCU - Branches forced us to auger c 1m. SW of flag

Date: 8-20-94 PLOT ID 1-455.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-5cm	clear	Sandy loam	20/20 X/X				fine + very fine - common		
B <sub>1</sub>	5-11cm	clear	Sandy loam	60/X X/X				"		gravel is mostly caliche
C <sub>1k</sub>	11-19cm				mostly rock			fine - common		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOCU ( PLED just east of hole - litter extends to w/in 10cm of hole) dug soil pit

Date: 8/20/94 PLOT ID 1-485.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-11cm	disrupt	Sandy loam	5   5 x   x		7.5YR $\frac{3}{4}$		Very fine Common fine common		Chose a place with no stones or boulders just east of line
C1	11" →		Impenetrable rock							

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, BOHI Clayey  
Had to dig a soil pit - very rocky

Date: 8/20/94 PLOT ID 1-495.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-8 cm	clear	sandy loam	0   10 x   x		5YR $\frac{3}{3}$		fine & very fine common medium few		Picked a spot free of stones + boulders
B1	8-19 cm	clear	loam	30   10 x   x		5YR $\frac{3}{3}$		very fine & medium few		
C1			Impenetrable rock layer							

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

1 meter east of line - everywhere else occupied by stones + boulders - we cheated!  
BOCU, Eragrostis intermedia, BOGR cm7

Date: 8-20-94 PLOT ID 1-505.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-7cm	clear	loam	5   X X   X		5YR 3/3		very fine common-few		
B <sub>1</sub>	9-22cm	grad	loam	5   X X   X		5YR 3/3		very fine -few		gravel component is caliche nodules
B <sub>2</sub>	22-36cm	grad	sandy loam	5   X X   X		5YR 3/4		medium few		
C <sub>1k</sub>	36-46cm		sandy loam	10   X X   X		5YR 4/3				gravel fraction of caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOEK

Date: 8-20-94 PLOT ID 1-515.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
O <sub>1</sub>	2.5-0 cm	abrupt								
A <sub>1</sub>	0-5cm	clear	loamy sand	0   X X   X		7.5YR 3/2		very fine -common		
B <sub>1</sub>	5-19cm	clear	sandy loam	20   X X   X		7.5YR 3/2		very fine -common medium-few		
C <sub>1k</sub>	19-23cm		sandy loam	40   X X   X		5YR 3/2				Gravel sand and caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

JUMO, Rhms, Eragrostis intermedia

12

Date: 8/20/94 PLOT ID 1-525.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff.	Comments
A1	0-10cm	clear	Sandy loam	40/X X/X		5YR 3/2		very fine-medium common		gravel = caliche
B1	10-24 cm	clear	Sandy loam	40/X X/X		7.5R 3/2		very fine common		gravel = caliche
C1K	24-33 cm		Sandy loam	30/X X/X		5YR 4/3		very fine few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa Neomexicana*

13 Date: 8/20/94 PLOT ID 1-535.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff.	Comments
A1	0-8cm	clear	Sandy loam	35/X X-X		7.5YR 3/2		very fine common		gravel = caliche
B1	8-21cm	grad.	Sandy loam	30/X X/X		5YR 3/3		very fine few		
C1K	21-34cm		sandy loam	30/X X/X		5YR 5/3				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOCU

6

Date: 8/20/94 PLOT ID

1-465.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-7cm	clear	sandy loam	10   10 x   x		7.5YR 3/4		very fine common		gravel/cobble mostly limestone
B1	7-17cm	clear/abrupt	loam	8   x x   x		7.5YR 3/4		very fine common		gravel fraction of caliche
C1k			silty loam	55   x x   x		5YR 4/3		very fine few		gravel is caliche

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER/BOHI

Date: 8-20-94 PLOT ID

1-475.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-5 cm	clear	sandy loam	5   x x   x		5YR 3/4		very fine -common		
B1	5-20 cm	gradual	sandy loam	20   x x   x		7.5YR 3/4		very fine -common		
C1	20-27 cm	clear	sandy loam	20   x x   x		5YR 3/4		very fine -common		gravel is mostly caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOHI w/ some BOCU

has impenetrable layer @ 27cm

7

Date: 8/20/94 PLOT ID 1-545.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist				
OL	1-0 cm	abrupt	Sandy loam	40% X X X						
A1	0-8	clear	Sandy loam	5% X X X				very fine - common		
B1	8-40	diffuse	Sandy loam	40% X X X				coarse - few very fine - few		
C1	40-46		silty loam							

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa neomexicana*, BOER, BOH1 - JUMD litter layer

Date: 8/20/94 PLOT ID 555.45

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist				
A1	0-12 cm	clear	loam	20% X X X				very fine, fine - common		
B1	12-36 cm	clear	Sandy loam	40% X X X				very fine - few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Mostly bare ground w/ *Stipa Neomexicana*s + BOER + BOH1  
 Hit impenetrable layer below B1.



Date: 8-20-94 PLOT ID-565.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-9	clear	loam	40/x x/x		5YR 3/2		very fine common		
B1	9-26	clear	loam	40/x x/x		7.5YR 3/2		very fine common		
B2	26-52	gradual	loam	35/x x/x		5YR 4/3		very fine few		
B3	52-80	diffuse	silt loam	10/x x/x		7.5YR 5/4		absent		gravel fraction of caliche nodules
C1	80-112		loam	10/x x/x		7.5YR 5/4		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

about 50% bare soil Stipa nemotensis BOHI and BOER

Date: \_\_\_\_\_ PLOT ID 1-575.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-20 cm	grad.	loam	10/x x/x		5YR 3/2		very fine -common		
B <sub>1</sub>	20- 39cm	gradual	loam	5/x x/x		5YR 4/2		very fine -few		
B <sub>2</sub>	39- 111cm		loam	25/x x/x		7.5YR 5/4		very fine -few		gravel fraction caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER w BOGR

18

Date: 8/20/94 PLOT ID 1-585.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
O1	1-0cm	abrupt	Sandy loam	10/x x/x		7.5YR 2		very fine common		
A1	0-11cm	clear	Sandy loam	10/x x/x		7.5YR 3/2		very fine common		
B1	11-32cm	gradual	loam	50/x x/x		5YR 4/2		very fine common fine-few		gravel fraction of caliche nodules
C1	32-42cm		sandy loam	60/x x/x		5YR 5/2		very fine fine-few		sandy gravel fraction of caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

slight litter component - JUMO - bore is just beyond being beneath the trees branches.

BOER w/ some BOHE

19

Date: 8/20/94 PLOT ID 1-595.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-8cm	clear	Silty loam	50/x x/x		10YR 2		very fine - common		
B1	8-25cm	clear	Sandy loam	25/x x/x		7.5YR 3/2		very fine - few		Gravel = caliche nodules
C1K	25-30cm			35/x x/x		5YR 4/2				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, c. 50% bare ground. Gravel made 2 augering attempts necessary

Date: 8/21/94 PLOT ID 1-605.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
01	1.5-0 cm									
A1	0-10cm	gradual	sandy loam	60/X X/X		7.5YR 3/2		very fine - common		
B1	10-23cm	gradual	sandy loam	40/X X/X		7.5YR 4/2		fine - few		
C1K	23-31 cm		sandy loam	30/X X/X		7.5YR 4/2		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa nemotensis* w/ BOCU. under JUMBO

Date: 8/21/94 PLOT ID 1-615.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-20cm	grad.	loam	20/X X/X		7.5YR 3/2		very fine - common		
B <sub>1</sub>	20-70cm	clear	silty loam	5/X X/X		7.5YR 3/4		very fine few medium - few		
C1K	70-81cm		silty loam	25/X X/X		5YR 5/3		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER w/ some BOGR

Date: 8/21/94 PLOT ID 1-625.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location	CaCO3 eff	Comments	
A	0-23 cm		loam	X/X X/X							very fine & fine common
Clk	23-35 cm		sandy silt	15/X X/X							very fine common gravel fraction = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR/BOCU next to & through old JUMO stump (burned presumably from lightning)

Date: 8-21-94 PLOT ID 1-635.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location	CaCO3 eff	Comments	
A <sub>1</sub>	0-23 cm	grad	silty loam	X/X X/X							very fine, fine-common
B <sub>1</sub>	23-52 cm	diffuse	silty loam	X/X X/X							very fine, common fine, medium - few
Clk	52-61 cm		silty loam	1/X X/X							absent caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOCU / w/ some BOGR

③ Date: 8/21/94 PLOT ID 1-645.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-13cm	clear	silty clay	0   x x   x				very fine common		
B <sub>1</sub>	13-39cm	clear	clay	x   x x   x				very fine - common		
B <sub>2</sub>	39-62cm	clear	silty clay	x   x x   x				absent		
	↑ 62cm									

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w *Panicum obtusum* Hit impenetrable barrier at 62cm

⑥ Date: 8-21-94 PLOT ID 1-655.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-15cm	clear	silty clay	x   x x   x				very fine - common		
B <sub>1</sub>	15-23cm	clear	clay	x   x x   x				very fine - common		
B <sub>2</sub>	23-46cm	clear	silty clay	x   x x   x				very fine - common		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR / *Panicum obt.* Hit impenetrable barrier at 46cm

Date: 8/21/94 PLOT ID 1-665.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-15 cm	gradual	Silty clay	X/K X/X		5YR 3/2		Very fine many		
B1	15-32 cm	diffuse	loam	O/X X/X		7.5YR 3/4		very fine many		
B2	32-63 cm	clear	clay loam	O/X X/X		5YR 3/4		Very fine + fine few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit impenetrable layer at 63cm - pulled up bits of caliche

BOGR / Stipa neomexicana

Date: 8/21/94 PLOT ID 1-675.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-21 cm	diffuse	loam	X/X X/X		7.5YR 3/4		very fine - common		
B <sub>1</sub>	21-47 cm	clear	loam	1/X X/X		7.5YR 3/4		very fine - common		
C <sub>1x</sub>	47-52 cm		Not enough sample for analysis							

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit caliche at 52cm - impenetrable

Stipa neomexicana w/ some BOGR

Date: 8/21/94 PLOT ID 1-685.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-33 cm	clear	sandy loam	<del>10</del> X X/X						
						7.5YR <sup>3/4</sup>		Very fine Common medium - few		gravel component caliche nodules
Clk	33-45 cm		sandy loam	X/X X/X				absent		
						7.5YR <sup>3/4</sup>				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, BOER w/ *Stipa neomexicana*

Date: 8/21/94 PLOT ID 1-695.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-25 cm	clear	loam	<del>5</del> X X/X						
						5YR <sup>3/3</sup>		Common -very fine		
Clk	25-34 cm		sandy loam	10/X X/X				very fine -few		Gravel = caliche nodules
						5YR <sup>4/3</sup>				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa neomexicana* w/ BOCU

11 Date: 8/21/94 PLOT ID 1-705.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-9 cm	clear	silty loam	X/X X/X						
						5YR $\frac{3}{3}$		very fine - common		
B1	9-23 cm	gradual	loam	X/X X/X						
						5YR $\frac{3}{4}$		very fine - common		
Clk	23-36 cm		sandy loam	15X X/X						gravel fraction of caliche nodules
						7.5YR $\frac{3}{4}$				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Stipa neomexicana* w/ some BOGR

12 Date: 8/21/94 PLOT ID 1-715.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-10 cm	clear	silty clay	X/X X/X						
						<del>7.5YR <math>\frac{3}{4}</math></del>		very fine common		
B1	10-39 cm	gradual	silty clay	X/X X/X						
						<del>15YR <math>\frac{3}{4}</math></del>		very fine common		
B2	39-65 cm	gradual	silty clay loam	X/X X/X						
						7.5YR $\frac{4}{4}$		very fine few common		
Clk	65-73 cm		silty clay loam	X/X X/X						
						7.5YR $\frac{5}{4}$		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOCU w/ YVEL + BOER



13

Date: 8/21/94 PLOT ID 1-725.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-10cm	clear	silty clay loam	X/X X/X		7.5YR 3/4				very fine common
B <sub>1</sub>	10-43cm	gradual	loam	O/X X/X		5YR 4/3				very fine common
B <sub>2</sub>	43-57cm	gradual	silty clay	X/X X/X		5YR 4/3				very fine few
Clk	57-64		silty clay	35   X X/X		5YR 4/4				absent gravel fraction equals caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w/ BOG nearby

14 Date: 8/21/94 PLOT ID 1-735.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-18cm		loam	X/X X/X		5YR 3/3				very fine common
B <sub>1</sub>	18-41cm		clay	X/X X/X		7.5YR 3/4				very fine common
B <sub>2</sub>	41-57cm		silty loam	X/X X/X		7.5YR 3/4				very fine few medium few
Clk	57-on	No	Sample	brought to surface - impenetrable w/o Est force						

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

struck impenetrable caliche at 57cm

Date: 8/21/94 PLOT ID 1-745,25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments	
A1	0-11		silty clay	X X X X			7.5YR $\frac{3}{4}$			very fine Common	
B1	11-34		silty clay	X X X X			5YR $\frac{3}{4}$			very fine Common	
B2	34-57		silty clay	X X X X			5YR $\frac{3}{4}$			very fine few	
Clk	57-78 cm			X X X X			7.5YR $\frac{5}{4}$			absent	gravel = Calciferous nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: \_\_\_\_\_ PLOT ID \_\_\_\_\_

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments	

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Date: 8/18/94 PLOT ID 1-125.25

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist   Rub/Moist				
A <sub>1</sub>	0-9 cm	clear	clay loam	X   X X   X	5YR 3/3		very fine-common		
B <sub>1</sub>	9-44 cm	diffuse	loam	X   X X   X	5YR 3/4		very fine-few		
B <sub>2</sub>	44-64 cm	clear	silt loam	X   X X   X	5YR 3/4		absent		
C <sub>1</sub>	64-75 cm			X   X +   X	5YR 4/4		absent		gran. fraction caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

*Aristida* sp., BOGR (Aristida + Stipa present in general area)

Date: 8/18/94 PLOT ID 1-135.25

11:05 - 11:32

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist   Rub/Moist				
A <sub>1</sub>	0-15	Gradual	silt-clay	X   X X   X	5YR 3/3		very fine common		
B <sub>1</sub>	15-36	Gradual	clay	X   X X   X	10YR 3/4		very fine common		
C <sub>1</sub> /K	36-50		silt loam	X   X X   X	5YR 4/3		very fine few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 9-10-94 PLOT ID 2-105.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
O	3-0 cm	abrupt		x/x x/x						PIED + Quercus litter
A <sub>1</sub>	0-18 cm	gradual	Sandy loam	1/x x/x			7.5YR 3/4	Very fine Common		
B <sub>1</sub>	18-58 cm	clear	Silt loam	1/x x/x			7.5YR 3/4	Very fine few medium-fine		
C <sub>k</sub>	58-72 cm		Sandy loam	5/x x/x			7.5YR 5/4	absent		gravel = calciche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

PIED, JUMO, BOCU, BOGR

Hole dug almost 1m east of flag to avoid  
PIED branches.

Date: 9/10/94 PLOT ID 2-115.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
OL	4-6 cm									
A <sub>1</sub>	0-21 cm		Sandy loam	0/x x/x			5YR 3/3	very fine Common		
A <sub>2</sub>	21-35		Silty clay	2/x x/x			7.5YR 3/4	very fine fine, med. Course common		
B <sub>1</sub>	35-59		Silty clay	2/x x/x			7.5YR 4/4	fine medium Common		
C <sub>k</sub>	59-90		Silty clay	2/x x/x			7.5YR 4/4			

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

JUMO, BOCU, BOER, (Under Jumo grass)

Date: 9/10/94 PLOT ID 2-125.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-19	gradual	loam	X   X X   X		5YR 3/3		very fine common		
B <sub>1</sub>	19-39	gradual	loam	X   X X   X		7.5YR 3/4		very fine few		
B <sub>2</sub>	39-55	clear	clay loam	X   X X   X		5YR 3/3		very fine few		
C	55-65		not enough sample - bit impermeable layer							

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, w/ some BOCU, some BOHI

Date: 9/10/94 PLOT ID 2-135.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-24 cm	clear	loam	X   X X   X		5YR 3/3		very fine -common		
B <sub>1</sub>	24-40 cm	clear	silty clay	X   X X   X		5YR 3/3		fine + very fine common		
B <sub>2</sub>	40-69 cm	clear	clay	X   X X   X		5YR 4/3		very fine few		
C <sub>1k</sub>	69-75 cm		silty loam	X   X X   X		7.5YR 4/4				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR, BOCU, BOHI - even mix

Date: 9-10-94 PLOT ID Z-145.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-16	clear	loam	X/X X/X						
						5YR 3/2		very fine common		
B <sub>1</sub>	16-43	clear	clay loam	X/X X/X						
						7.5YR 4/4		very fine -few		
C <sub>1</sub>	43-70		clay loam	X/X X/X						
						7.5YR 5/4				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOCU, BOER, BOGR (OPLM & YVEL in area).

Date: 9-10-94 PLOT ID Z-155.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-22cm	clear	loam	0/X X/X						
						5YR 3/3		very fine -common		
B <sub>1</sub>	22-40cm	clear	sily clay	X/X X/X						
						5YR 3/3		very fine -common		
B <sub>2</sub>	40-115cm		sily loam	X/X X/X						
						7.5YR 4/6		very fine -few		void from 60-70cm

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER w/ some BOGR

Date: 9/10/94 PLOT ID 2-205.25

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist   Rub/Moist	Shape	Location.	CaCO3 eff	Comments	
A1	0-28		loam	X   X X   X						7.5YR 3/4 Very fine common
B1	28-62		silty clay loam	X   X X   X						5YR 3/2 Very fine few
C1k	62-85		silt loam	10   X X   X						7.5YR 5 absent gravel fraction of caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR, OP (crackly, poor)

Date: 9/11/94 PLOT ID 2-215.25

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist   Rub/Moist	Shape	Location.	CaCO3 eff	Comments	
A1	0-25cm		loam	X   X X   X						5YR 3/3 very fine common
B1	25-48cm		clay loam	X   X X   X						5YR 4/3 very fine common
B2*	40-112 cm		silt loam	5   X X   X						7.5YR 4/4 fine few coarse few gravel fraction of caliche nodules
C1k	ground out in this layer at 112cm. B2* is rich in caliche nodules, but not very cemented.									

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

\* P.S.: later decided B2 is really a C1c - sample contaminated - CMD

BOGR

ground out on caliche B2 is rich in caliche

Date: 9/11/94 PLOT ID 2-125.25

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist   Rub/Moist				
A <sub>1</sub>	0-32 cm	gradual	loam	1/1 x/x	7.5YR 3/4		very fine - common		
B <sub>1</sub>	32-61 cm	clear	silty clay loam	0/1 x/x	7.5YR 3/4		very fine - few		
C <sub>1K</sub>	61-109 cm	clear	sandy loam	5/1 x/x	7.5YR 5/4		absent		Rich in unconsolidated caliche
C <sub>2K</sub>	109-112 cm		Not enough sample						

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR = Lycurus phleoides  
Mammillaria - down line from hole

Date: 9-11-94 PLOT ID 2-135.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist   Rub/Moist				
A <sub>1</sub>	0-21 cm	gradual	silty loam		7.5YR 3/4		very fine common		
B <sub>1</sub>	21-57 cm		clay loam		7.5YR 3/4		very fine common		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit an impenetrable clay layer @ 57 cm  
BOGR, Aristida spp., Lycurus phleoides



Date: 9-11-94 PLOT ID 245.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist					Shape
A <sub>1</sub>	0-30cm	gradual	loam	$\frac{0}{x}$ $\frac{x}{x}$							very fine common
B <sub>1</sub>	30-72cm	clear	silt loam	$\frac{5}{x}$ $\frac{x}{x}$							very fine - common - few towards bottom
C <sub>1k</sub>	72-78cm		silty loam	$\frac{20}{x}$ $\frac{x}{x}$							gravel = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 9/11/94 PLOT ID 2-255.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist					Shape
A <sub>1</sub>	0-23cm	diffuse	loam	$\frac{x}{x}$ $\frac{x}{x}$							very fine common
B <sub>1</sub>	23-70cm	clear	silty clay	$\frac{2}{x}$ $\frac{x}{x}$							very fine common
C <sub>1k</sub>	70-90cm		silty loam	$\frac{5}{x}$ $\frac{x}{x}$							dissect

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit hard pan @ 66 - penetrated & continued  
 BOGR (associates = GOSA, Lycurus phleoides, OPIM, YVEL, Aristida spp.)

Date: 9-11-94 PLOT ID 2-765.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments	
A <sub>1</sub>	0-22 cm	clear	silt loam	$\begin{matrix} x & x \\ \hline x & x \end{matrix}$							very fine - common
B <sub>1</sub>	22-50 cm		silty clay	$\begin{matrix} x & x \\ \hline x & x \end{matrix}$							very fine - few
Bottomed out @ 50cm.											

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit an impenetrable layer @ 50cm. We each took a turn heaving on the auger, but did not budge the cemented layer. This is a job for big, big, big Este. BOGR

Date: 9-11-94 PLOT ID 2-275.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory	
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties	
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments	
A <sub>1</sub>	0-14cm	gradual	silty clay loam	$\begin{matrix} x & x \\ \hline x & x \end{matrix}$							very fine - common
B <sub>1</sub>	14-38cm		silty clay	$\begin{matrix} x & x \\ \hline x & x \end{matrix}$							very fine - common

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit impenetrable layer at 38cm  
BOGR

Date: 9-11-94 PLOT ID 2-305.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-22	gradual	silty loam	X/X X/X						
					5YR	3/2				Very fine Common
B1	22-64		silty clay	X/X X/X						
					7.5YR	3/4				Very fine Common

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

\* Hit impenetrable layer @ 64 cm

BOGR (w/ Lycopodium phleoides)

Date: 9-11-94 PLOT ID 2-315.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-19 cm	clear	loam	0/X X/X						
					5YR	3/3				Very fine -Common
B <sub>1</sub>	19-52 cm		silty clay	X/X X/X						
					7.5YR	3/4				Very fine -Common

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR, BOCU

Hit impenetrable layer at 52 cm

Date: 9/11/94 PLOT ID 2-325.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-18 cm	Gradual	silty clay			7.5YR $\frac{3}{4}$		Very fine common		
B1	18-57 cm		silty clay			7.5YR $\frac{3}{4}$		Very fine common		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR (w/ *Lycurus phaeoides*)

Date: 9-11-94 PLOT ID 2-335.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-16 cm	graded	loam	$\frac{0}{1} \times$		5YR $\frac{3}{3}$		very fine common		
B <sub>1</sub>	16-56 cm		silt loam	$\frac{X}{1} \times$		7.5YR $\frac{3}{4}$		Very fine common		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Hit impenetrable layer at 56cm.

Date: 9/11/94 PLOT ID 2-345.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist				
A1	0-21 cm		Silty Clay	X/X X/X						
						7.5YR 3/4				Very fine common
B1	21-63cm		Silty Clay	X/X X/X						
						7.5YR 3/4				Very fine common

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR hit hard pan @ 63cm

Date: 9/11/94 PLOT ID 2-355.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist				
A1	0-22cm	gradual	loam	0/X X/X						
						5YR 3/2				Very fine common
B1	22-51cm	clear	silt loam	X/Y X/Y						
						5YR 3/3				Very fine common
C1R	51-57cm		silt loam	5/X X/X						
						5YR 4/3				absent gravel-caliche modules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w/ some Panicum obtusum (very little)

Date: 9/11/94 PLOT ID 2-365.25

Horizon/Layer			Texture	Rock Frac.		Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.	cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone	bould.	Ped/Moist	Rub/Moist				
A1	0-16 cm		silty loam				7.5YR 3/4		very fine common		
B1	16-41 cm		silty clay loam				7.5YR 3/4		very fine common		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR (Mammillaria W of line)

Date: 9/11/94 PLOT ID 2-375.25

Horizon/Layer			Texture	Rock Frac.		Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.	cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone	bould.	Ped/Moist	Rub/Moist				
A1	0-17 cm	gradual	loam				5YR 3/3		very fine - common		
B1	17-51 cm	silty clay loam	silty				5YR 3/3		very fine - common		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit impenetrable layer at 51cm

BOGR

Date: 9/11/94 PLOT ID 2-405.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-15cm	gradual	silty loam			7.5 YR 3/4				
B1	15-48cm		silty clay			YR				very fine - common fine - few

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: \_\_\_\_\_ PLOT ID \_\_\_\_\_

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Date: 9-12-94 PLOT ID 2-15.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-12cm		loamy sand	15   10 x   x		5YR 3/3		very fine - common fine - few coarse - few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Hit broken bedrock at 12cm

Eragrostis intermedia, BOGR

Date: 9-12-94 PLOT ID 2-5.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
O <sub>2</sub>	4-6 cm	/	/	/	/	/				
A <sub>1</sub>	0-29 cm	clear	sandy loam	15   x x   x		10YR 3/4		very fine - few fine - few		gravel = caliche nodules
C <sub>1k</sub>	29-38cm		sandy clay loam	40   x x   x		5YR 5/3		medium - few coarse - few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOHI, Lycurus phleoides, some BOCU



Date: 9/12/94 PLOT ID 2-35.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-14 cm	clear	loamy sand	2   x x   x		5YR 3/3		very fine - common		gravel = caliche nodules
C <sub>1k</sub>	14-22cm		loamy sand	55   x x   x		5YR 3/4				gravel = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR, c. 40% bare ground

Date: 9/12/94 PLOT ID 2-25.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
O <sub>1</sub>	4cm-0cm		—	—		—				JUMBO litter
A <sub>1</sub>	0-16cm	abrupt rock (pore)	loamy sand			10YR 2/2		very fine few / common		
		Hit Rock @ 16cm								

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

JUMO, BocU, Eragrostis intermedia  
 Bottomed out on bedrock @ 16cm

Date: 10-7-94 PLOT ID 2-435.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-41cm	gradual	Sandy loam	3/1x x/1x		7.5YR 3/3		very fine - common		
B <sub>1</sub>	41-54cm		Clay	0/1x x/1x		7.5YR 3/4		very fine - few		Colloid rich clay

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR Hit impenetrable layer at 54cm

Date: 10-7-94 PLOT ID 2-445.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-17cm		Clay loam	5/1x x/1x		5YR 3/2		very fine common fine few		
B <sub>1</sub>	17-44cm		Clay loam	x/1x x/1x		7.5YR 3/3		very fine common		
C <sub>1k</sub>	44-55cm		Silty loam	5/1x x/1x		7.5YR 4/4		absent		grav. fraction = calcic nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR (YUEL & OPTM in vicinity)

Date: 10-7-94 PLOT ID 2-455.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-16cm	clear	loam	0   X X   X		7.5YR 3/3		very fine -common		
B <sub>1</sub>	16-30cm	clear	clay loam	X   X X   X		7.5YR 3/3		very fine -common		
B <sub>2</sub>	30-61cm	clear	Clay loam	+		7.5YR 4/3		very fine -few		
C <sub>1k</sub>	61-72cm		Clay loam	10   X X   X		7.5YR 4/3		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR w/ little Aristida + Lycurus phleoides, 30-40% bare ground

Date: 10-7-94 PLOT ID 2-465.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-31cm	clear	sandy loam	0   X X   X		7.5YR 3/3		very fine Common		
B <sub>1</sub>	31-61cm	clear	silty loam	3   X X   X		7.5YR 4/3		very fine few		gravel = caliche nodules
C <sub>1k</sub>	61-62cm	Not	enough sample to analyze. Kit					impermeable layer		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR (OPPH near core) 40% Bare Ground

Date: 10-7-94 PLOT ID 2-475.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory		
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties		
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments		
A <sub>1</sub>	0-19cm	clear	loam	0/x x/x							very fine -common	
B <sub>1</sub>	19-33cm	clear	clay	x/x x/x							very fine -common	
B <sub>2</sub>	33-79cm	clear	clay	1/x x/x							very fine -few	very little dry cohesion
C <sub>1k</sub>	79-89cm		sandy loam	10/x x/x							absent	gravel- caliche nodules
Sandy portion of caliche												

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR + Aristida w/ some Lycurus phleoides (GUSA common)

Date: 10-7-94 PLOT ID 2-485.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory		
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties		
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments		
A <sub>1</sub>	0-24cm	clear	Silty clay loam	0/x x/x							very fine Common	
B <sub>1</sub>	24-42cm	clear	clay loam	0/x x/x							very fine Common	
B <sub>2</sub>	42-79cm	clear	clay loam	0/x x/x							very fine few to absent	
C <sub>1k</sub>	79-92cm	clear	sandy loam	4/x x/x							absent	gravel fraction of caliche nod.

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR + Aristida w/ sedge

Date: 10/7/94 PLOT ID 2-495.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-20cm	clear	Sandy loam	0/x x/x		7.5YR 3/3		very fine - common		
B <sub>1</sub>	20-35cm	clear	Silty clay	x/x x/x		7.5YR 3/3		very fine - common fine - few		
B <sub>2</sub>	35-66cm		silty clay loam	0/x x/x		7.5YR 3/3		very fine - few		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR + Aristida - core near YVEL Hit impenetrable layer at 66cm

Date: 10/7/94 PLOT ID 2-505.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-16cm	clear	Clay loam	0/x x/x		7.5YR 3/4		very fine - common		
B <sub>1</sub>	16-57cm		Silty clay loam			7.5YR 3/3		very fine - common, ← medium few towards bottom		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOHE Bottomed out on impenetrable layer. Probably a caliche (Clk) layer; last .5 cm high conc. of caliche.

Date: 10-7-99 PLOT ID 2-515.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-18 cm	clear	loam	X/X X/X		7.5YR 3/3		very fine - common coarse - few		
B <sub>1</sub>	18-54 cm	diffuse	silty loam	0/X X/X		7.5YR 3/3		very fine - common, few toward bottom fine - few coarse - few		
C <sub>1</sub>	54-68 cm		silty loam	1/X X/X		7.5YR 4/3				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR or some BOCU, *Licurus phleoides*, and *Aristida longisetia*, near JUMO

Date: Oct 7, 1999 PLOT ID 2-525.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-15 cm	clear	silty loam	X/X X/X		7.5YR 3/3		very fine - common		
B <sub>1</sub>	15-33 cm	clear	silt	0/X X/X		7.5YR 3/4		very fine - common		
C <sub>1k</sub>	33-54 cm		silty loam	5/X X/X		7.5YR 4/4		very fine - few		gravel = caliche

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 10-7-94 PLOT ID 2-535.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-35 cm	gradual	loam	X   X X   X		7.5YR 3/3		very fine, fine, med + coarse - all common		
B <sub>1</sub>	35-50 cm	clear	silty loam	L   X X   X		7.5YR 3/3		very fine + coarse - few		
C <sub>1k</sub>	50-57 cm		silty loam	S   X X   X		7.5YR 4/3		coarse - few		gravel = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Under JUMO + PIED, BOCU + BOER O<sub>e</sub> horizon = JUMO + PIED 1.4m

Date: 10-8-94 PLOT ID 2-545.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-21 cm	clear	silty loam	O   X X   X		7.5YR 3/3		very fine - common		
B <sub>1</sub>	21-33 cm	clear	sandy clay loam	S   X X   X		7.5YR 3/3		very fine - common		gravel fraction of caliche nodules
C <sub>1k</sub>	33-49 cm		loam	10   X X   X		7.5YR 4/3		very fine - few		ll

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, BOGR, w BOHI + Stipa neomexicana

Date: Oct. 8, '94 PLOT ID 2-555.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location	CaCO3 eff	Comments
A1	0-21cm		Silty loam	0/x x/x		7.5YR <sup>3</sup> / <sub>3</sub>		very fine - common		
B1	21-47cm		Silty clay loam	3/x x/x		7.5YR <sup>3</sup> / <sub>4</sub>		very fine - common		gravel = caliche nodules
Clk	47-61cm		Silty loam	5/x x/x		7.5YR <sup>5</sup> / <sub>3</sub>		absent		gravel fracture caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER w/ BOGR + Shpa

Date: 10-8-94 PLOT ID 2-565.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location	CaCO3 eff	Comments
O <sub>L</sub>	5-0 cm	/	/	/	/	/	/	/		JUMBO + some PIED LITER
A <sub>1</sub>	0-14cm	clear	Silty loam	0/x x/x		7.5YR <sup>3</sup> / <sub>2</sub>		very fine - common		
B <sub>1</sub>	14-35cm	grad.	Silty loam	x/x x/x		5YR <sup>3</sup> / <sub>3</sub>		very fine - few med. - few		
B <sub>2</sub>	35-60cm	clear	Silty loam	x/x x/x		7.5YR <sup>3</sup> / <sub>3</sub>		very fine - few medium - few		
Clk	60-61cm		NOT ENOUGH SAMPLE FOR ANALYSIS							

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Flag under JUMBO w/ PIED

Unidentified grass w/ Lycurus phleoides and BOGR



Date: Oct 8, 1994 PLOT ID 2 - 575.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-25cm	clear	silty loam	0/x x/x						very fine common
B <sub>1</sub>	25-79cm	clear gradual	silty clay loam	0/x x/x						very fine common to 46cm then few to 60cm (absent below)
Clk	79-89cm		silty clay loam	2/x x/x						absent

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Aristida, BOGR, BOCU

Date: Oct 8, 1994 PLOT ID 2 - 585.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-19cm	gradual	loam	x/x x/x						very fine - common
B <sub>1</sub>	19-50cm		silty clay	x/x x/x						very fine - common

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR + Aristida w/ some BOCU

Hit impenetrable layer at 50cm

Date: 8 October '94 PLOT ID 2-595.25

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff
A1	0-20 cm	clear	silty clay loam	0/x x/x		7.5YR $\frac{2}{3}$			very fine common
B1	20-72 cm	gradual	silty clay	0/x x/x		5YR $\frac{4}{3}$			very fine common to 135cm, few to 52cm, Absent below
CIK	72-89 cm		silty loam	1/x x/x		7.5YR $\frac{4}{3}$		Absent	gravel fraction of caliche nod.

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Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_  
 BOGR, BOHI w/ Aristida sp.

Date: Oct 8, '94 PLOT ID 2-605.25

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff
A1	0-25	Diffuse	loam	x/x x/x		7.5YR $\frac{3}{3}$			very fine common
B1	25-70	Gradual	loam	0/x x/x		7.5YR $\frac{3}{3}$			very fine common to 46cm 46-70 very fine & fine few
CIK	70-86 cm		silty loam	3/x x/x		7.5YR $\frac{4}{3}$		absent	gravel = caliche nodules

7

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_  
 BOGR BOGU w/ Sporobolus (exp. plantations - not much seed head left to id.)

Date: Oct 8, 1994 PLOT ID 2-615.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-20 cm	clear	loam	0/x x/x		7.5YR 3/3				very fine common
B1	20-79 cm	diffuse	loam	x/x x/x		7.5YR 3/4				very fine common to 18cm very fine few to 65cm then absent
C1k	79-91 cm		silty loam	1/x x/x		7.5YR 5/4				absent gravel = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, BOCU, BOC-R

Date: Oct 8, 1994 PLOT ID 2-625.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-27 cm	clear	sandy loam	0/x x/x		7.5YR 3/3				fine-few very fine -common
B <sub>1</sub>	27-85 cm	clear	sandy loam	2/x x/x		7.5YR 3/3				very fine -common, few towards bottom
C1k	85-87 cm		NOT ENOUGH SAMPLE TO ANALYSE							

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

40% Bare ground

BOER, BOCU w/ some Sporobolus cryptandrus

Date: 10-8-94 PLOT ID 2-635.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-21 cm	gradual	Sandy loam	0/x x/x		7.5YR 3/3		very fine - common fine - few		
B <sub>1</sub>	21-51 cm	gradual	Silty loam	0/x x/x		7.5YR 3/3		very fine - common, few towards bottom coarse - few		
C <sub>1k</sub>	51-69 cm		loam	2/x x/x		7.5YR 4/4		absent		

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, BOGR w/ little *Stipa neomexicana*

Date: \_\_\_\_\_ PLOT ID \_\_\_\_\_

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Date: 10-8-94 PLOT ID 2-645.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-17cm	clear	Sandy loam	3   x x   x		7.5YR 3/3		very fine Common		
B <sub>1</sub>	17-41cm	gradual	loam	5   x x   x		7.5YR 3/3		very fine Common 50-65 very fine few		This layer has large (2-3cm) caliche nodes.
B <sub>2</sub>	41-77cm	clear	clay	5   x x   x		7.5YR 3/3		↓ below 65 absent		gravel caliche nodules
Clk	77-84cm		Silty clay loam	2   x x   x		1.5YR 4/3				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER + BOGR

Date: 10-8-94 PLOT ID 2-655.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-20cm	clear	Silty loam	0   x x   x		7.5YR 3/3		very fine Common		
B <sub>1</sub>	20-36cm	gradual	Silty clay loam	0   x x   x		7.5YR 3/3		very fine Common		
B <sub>2</sub>	36-90cm	clear	Silty clay loam	0   x x   x		7.5YR 3/3		very fine Common to 70cm, Few to 60cm Absent below		
Clk	90-106cm		Silty loam	10   x x   x		7.5YR 4/3		Absent		gravel caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOER, BOGR

Date: 10-8-94 PLOT ID 2-665.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-17 cm	abrupt	loam	X   X X   X						
					7.5YR	3/3				very fine - common
B <sub>1</sub>	17-78 cm	gradual	silty loam	3   X X   X						
					7.5YR	4/3				very fine - few medium - few
C <sub>1k</sub>	78-99 cm		Silty loam	2   X X   X						
					7.5YR	4/4				course - few

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 10-8-94 PLOT ID 2-675.25 m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-21 cm	clear	silty loam	0   X X   X						
					7.5YR	3/4				very fine common
B <sub>1</sub>	21-55 cm	gradual	silty loam	0   X X   X						
					7.5YR	3/4				very fine common
B <sub>2</sub>	55-86 cm	clear	silt clay	0   X X   X						
					7.5YR	3/4				very fine few to 72 cm Absent below
C <sub>1k</sub>	86-110 cm		silty loam	5   X X   X						
					7.5YR	5/4				Absent gravel = caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 10-8-94 PLOT ID 2-685.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff
A <sub>1</sub>	0-20 cm	gradual	sandy loam	X   X X   X		7.5YR <sup>3</sup> /3			very fine - common
B <sub>1</sub>	20-40 cm	gradual	clay	X   X X   X		7.5YR <sup>3</sup> /4			very fine - common
B <sub>2</sub>	40-121 cm		loam	1   X X   X		7.5YR <sup>3</sup> /4			very fine - few caliche nodules present in bottom 10 cm
Ran out of Auger									

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOCU, BOGR w/ Panicum obtusum and Aristida longiseta

Date: 10-8-94 PLOT ID 2-695.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff
A <sub>1</sub>	0-22	gradual	silty loam	0   X X   X		7.5YR <sup>3</sup> /4			very fine common
B <sub>1</sub>	22-42 cm	gradual	silty clay	0   X X   X		5YR <sup>3</sup> /4			very fine common
B <sub>2</sub>	42-120		silty clay	1   X X   X		7.5YR <sup>3</sup> /4			very fine common to 60 cm, very fine few to 80. Absent below gravel fraction of caliche
Btw. 110 & 120 there are a few caliche nodules. Ran out of Auger									

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOHI, BOGR, BOCU

Date: 8 Oct. '94 PLOT ID 2-705.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
0c	3.5cm - 0cm	/	/	/	/	/	/	/	/	litter from Jumo
A1	0-20 cm	gradual	Sandy loam	X/X X/X		7.5YR 3/3		very fine - common fine - common coarse - few		
B1	20-113cm		silty clay	X/X X/X		7.5YR 3/3		very fine common towards top few from 60-80 Absent below 80cm.		
— Ran out of Auger —										

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

Core Taken under JUMO w/ unidentified grass

Surrounding tree: BOGR, *Aristida longisetia* + *Lycurus phleoides*.

Date: 8 Oct. 1994 PLOT ID 2-715.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A1	0-20 cm	gradual	silty loam	O/X X/X		7.5YR 3/3		very fine common		
B1	21-117 cm		silty clay	X/X X/X		7.5YR 3/4		very fine common to 55 cm Few to 80cm. Absent below.		some caliche starting @ 104cm. Ⓞ
— Ran out of Auger —										

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR, *Aristida longisetia*



Date: 10-8-94 PLOT ID 2-725.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-22cm	gradual	Sandy loam	X   X X   X						
					7.5YR	3/3				very fine - common fine - few coarse - few
B <sub>1</sub>	22-100cm	gradual	Silty clay	X   X X   X						
					7.5YR	3/4				very fine - common, few below 60cm absent below 90cm
CIK	100-113cm		Silty loam	10   X X   X						
					7.5YR	4/4				absent gravel - caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOHI

Date: 10-8-94 PLOT ID 2-735.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location.	CaCO3 eff	Comments
A <sub>1</sub>	0-22cm	clear	Silty clay loam	0   X X   X						
					7.5YR	3/4				very fine common
B <sub>1</sub>	22-70	clear	Silty clay	X   X X   X						
					7.5YR	3/3				very fine common to 48cm few 48-70
CIK	70-86cm		loam	8   X X   X						
					7.5YR	4/4				Absent gravel - caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOHI, Lycurus phleoides (Jumbo close by - base 4m) some BOBR

Date: 10-8-94 PLOT ID 2-745.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist   Rub/Moist				
O <sub>L</sub>	2.5-0cm	/	/	/	/	/	/	/	mostly Jumo litter
A <sub>1</sub>	0-25cm	diffuse	clay loam	X X X X	7.5YR <sup>3</sup> / <sub>3</sub>		very fine common		
B <sub>1</sub>	25-48cm	gradual	clay	X X X X	7.5YR <sup>3</sup> / <sub>3</sub>		very fine few		
C <sub>1k</sub>	48-53cm		silty clay	10 X X X	7.5YR <sup>4</sup> / <sub>3</sub>		Absent		gravel = calcareous nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_  
 flag in middle of Jumo. Took core c. 2.5m South in similar micro-site type  
*Eragrostis intermedia* w/ some BOGR

Date: \_\_\_\_\_ PLOT ID \_\_\_\_\_

Horizon/Layer			Texture	Rock Frac.	Soil Color	Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry   Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist   Rub/Moist				

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_  
 corn is maize

Date: 9-12-94 PLOT ID 2-55.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist				
A1	0-16	Diffuse * Root zone	Sandy loam ends clearly	10   30 X   X	5YR 3/3			very fine many		* End of root zone @ 16 cm Ca liche
Clk	16-27cm		loamy sand	10   30 X   X	5YR 3/3			very fine few		Continuous surface to bottom of pit

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_  
 BOER Rocks forced us to dig soil pit.  
 or 11-27

Date: 9-12-94 PLOT ID 2-45.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist				
O	1cm-0cm									cholla litter
A1	6-9cm	clear	loamy sand		7.5YR 3/2			very fine common		
Cl	9-12cm	clear	loamy sand	2   X X   X	5YR 3/4			absent		gravel fraction of caliche nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm  
 Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_  
 BOGR, *Stipa neomexicana*, *Eragrostis intermedia*  
 forced to dig soil pit

Date: 10-7-94 PLOT ID 2-415.25m

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location	CaCO3 eff	Comments
A <sub>1</sub>	0 - 22 cm	graded	loam	0   x x   x		7.5YR 3/2		very fine - common		
B <sub>1</sub>	22 - 70 cm	grad	loam	0   x x   x		7.5YR 4/3		very fine - common, few towards bottom		
B <sub>2</sub>	70 - 95 cm	clear	silty clay loam	0   x x   x		7.5YR 4/3		absent		
C <sub>1k</sub>	95 - 108 cm		silty loam	35   x x   x		7.5YR 5/3				gravel = calcareous nodules

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR

Date: 10-7-94 PLOT ID 2-425.25

Horizon/Layer			Texture	Rock Frac.	Soil Color		Structure	Roots	Reaction	Accessory
Symb	Depth Thick.	Bound.	USDA Class	grav.   cob.	Ped/Dry	Crush/Dry	Grade Size	Size Quan.	pH	Properties
			Clay %	stone   bould.	Ped/Moist	Rub/Moist	Shape	Location	CaCO3 eff	Comments
A <sub>1</sub>	0 - 19 cm	clear	silty clay loam	x   x x   x		5YR 3/2		very fine - common med-few		
B <sub>1</sub>	19 - 41 cm	clear	clay	x   x x   x		7.5YR 3/3		very fine - common		
B <sub>2</sub>	41 - 58 cm	clear	silty clay loam	x   x x   x		7.5YR 4/3		very fine few		
C <sub>1k</sub>	58 - 70 cm		silty clay loam	x   x x   x		7.5YR 4/4		absent		gravel fraction embedded in colloidal clays.

Epipedon: \_\_\_\_\_ Depth \_\_\_\_\_ cm Sub-surface Horiz.: \_\_\_\_\_ Depth cm

Moist. Regime: \_\_\_\_\_ Temp. Regime: \_\_\_\_\_ Par. Mat.: \_\_\_\_\_

BOGR near (under very outer branches of) JUMO

Sheet 10030 1007 0 → End = 0

Line no: 1  
 % cover 0.00  
 Bearing: 5  
 Date: 9/29  
 Recorders: LMP / TARL

Line no:	% cover	Bearing:	Date:	Recorders:	LMP	TARL
Stipa	60	30	35	90	45	100
Bougrea	40					
Bouhair						
Boucur						
Boueri		50	110		75	
Aris						
Shrub		5	5			
Forb						
Opimb						
Oppol						
Crypt			10	10	5	
lichen			✓	✓	✓	
moss						
algae						
BUC			✓	✓	✓	
Rock >6cm						
Stone <6cm						
Pebble						
Bare ground	15	5	15	10	20	5
Wood >7.5cm						
deb. <7.5cm						
litter <1cm	85	95	85	80	70	95
Tree						
sp. =						
ht						
girth						
Slope						
Soil						

COMMENTS

1002

Bare ground

f = 0.05 (5%) under stone rocks

100%

Line no: 1 Bearing: Date: 9/29 Recorders: LAMP/JARL

	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	
Stipa	10	25	100	40	10														
Bougrea	25	50		30	60	65	30	10											20
Bouhir		5																	
Boucur																			
Boueri	25					15	30	100	35	80			10	20	15	50	40	70	10
Aris d/																			10
Double are			10	5															5
spp MS																			
Forb																			
LAMB2		1																	
YARRE GRASS									50	100	100	100	100	95	100				
YORKHILL GRASS																			
YORKHILL GRASS																			
SHRUB																			4
Optimb																			
Oppol																			
Crypt	5	2	7	5	5	5	5	10	3	1									1
Lichen		✓	✓					✓	✓	✓									
moss																			
algae																			
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓
Rock >6cm																			
Stone <6cm																			
Pebble																			
Bare ground	20	15	5	20	15	15	20	10	7	4	0	0	0	0	0	0	30	20	35
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	75	95	90	80	30	80	75	85	90	95			80	60	60	90	70	80	60
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

184



Line no: 1      Bearing:      Date: 9/29      Recorders: LMP/JAKL

Line no: 1	% cover	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
Stipa																			
Bougrea						10					10.								
Bouhnr															5	5		6	4
Boucur	60	15	5	10	5			20	8	15	20	30	20	15	15	4		10	20
Boueri	25	15	35	5	10					15	20	5	1					15	40
Aris																			3
Dem. mucky																			8
Forb																			
Thosporova	5																		
Zinaga																			
Urtica																			
Silvianus																			
Sirub																			
Opimb																			
Oppol									1										
Crypt	10	10				2													
Lichen	✓	✓																	
moss	✓	✓				✓													
algae																			
BUC	✓	✓																	
Rock >6cm																			
Stone <6cm					5				4										
Pebble																			
Bare ground	25	60	55	55	40	70	1	1	4	2	1	3	1	1	70	75	35	80	60
Wood >7.5cm									5										
deb. <7.5cm																			
litter <1cm	70	30	40	35	60	30	20	25	40	45	50	45	30	25	65	20	40	55	55
Tree																			
sp. =																			
Int																			
girth																			
Slope																			2°
Soil																			3°

COMMENTS

1129

wood box  
21



C/100-

Line no: 36.0 Bearing: .5 37.0 .5 38.0 .5 39.0 .5 40.0 .5 41.0 .5 42.0 .5 43.0 .5 43.5 44.0 .5

Date: .5 39.0 .5 40.0 .5 41.0 .5 42.0 .5 43.0 .5 43.5 44.0 .5

Recorders: .5 41.0 .5 42.0 .5 43.0 .5 43.5 44.0 .5

Stipa																				
Bougra	5																			
Bouhir		5																		
Boucure	35	15	5	3	5	10														
Boueri	5	15	15	22	1	5	10													
Aris																				

Forb																				
Yucca ang				2																
Shrub				2																
Opimb																				
Oppol																				

Crypt																				
Lichen				2																
moss				✓																
algae																				
BUC				✓																

Rock >6cm																				
Stone <6cm	5				2															
Pebble					2															
Bare ground	90	45	35	70	70	85	25	40	20	90	85	60	5	50	50	45	60			
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	10	55	65	30	30	35	75	50	80	10	5	40	90	40	30	55	30			

Tree																				
sp. =																				
ht																				
girth																				

Slope											3°									
Soil											Sandol									

COMMENTS  
 130  
 3°



Line no: 100-  
 Bearing: 120  
 Date: 9/29  
 Recorders: LMP/SAPL

Line no:	Bearing:	Date:	Recorder:	LMP/SAPL	% cover	54.0	54.5	55.0	55.5	56.0	.5	57.0	57.5	58.0	.5	59.0	59.5	60.0	.5	61.0	.5	62.0	62.5	
Stipa																								
Bougra						20																		
Bouhir																								
Boucur					5																			
Boueri																								
Aris																								
Opimb																								
Oppol																								
Crypt																								
Lichen																								
moss																								
algae																								
BUC																								
Rock >6cm																								
Stone <6cm																								
Pebble																								
Bare ground					50		5																	
Wood >7.5cm																								
deb. <7.5cm																								
litter <1cm					50		95		100		95		90		100		100		100		60		86	
Tree																								
sp. =																								
ht																								
girth																								
Slope																								
Soil																								

COMMENTS: 84 Summs east of line → 77.

105-

UMID 102 He = 200 h/l/egs ?

Line no: 1      Bearing:      Date: 9/29      Recorders:

% cover	63.0	.5	64.0	.5	65.0	.5	66.0	.5	67.0	.5	68.0	.5	69.0	.5	70.0	.5	71.0	71.5
Stipa																		
Bougra	3			3	10	10												
Bouhir		35	15															
Boucur		5	5															
Boueri																		
Aris																		
Eraroschis						10	60	70	30									
Cyprus																		
Forb																		
Yucca glauca						5												
Yucca rostrata										15								
Mudra (dry)																		
Shrub																		
Opimb																		
Oppol															10			
Crypt																	5	
Lichen																		5
moss																		
algae																		
BUC																		
Rock >6cm	40																	
Stone <6cm			15		10													
Pebble	5					1												
Bare ground	55	30	65	96	60	15	2		10	75	90	30	15	40	90	80	45	15
Wood >7.5cm																		
deb. <7.5cm																		
litter <1cm	5	70	20	4	30	85	98	100	90	25		10	25	10				
Tree							June											
sp. =							June											
ht							100cm	100cm	100cm	25cm								
girth																		
Slope																		
Soil																		

COMMENTS

49

June 100cm  
100cm  
25cm

200cm  
100cm

upside down lichen

69

100-

Line no: / Bearing: N Date: 9/29 Recorders: LMP/JAPL

Line no: /	Bearing: N	Date: 9/29	Recorders: LMP/JAPL
Stipa			
Bougrea			
Bouhhr			
Boucur			
Boueri			
Aris			
Eragrostis			
Forb			
Grass			
Grass			
Shrub			
Opimb			
Oppol			
Crypt			
Lichen			
moss			
algae			
BUC			
Rock >6cm	45		
Stone <6cm			
Pebble			
Bare ground	35	60	70
Wood >7.5cm			
deb. <7.5cm			
litter <1cm	20	40	30
Tree			
sp. =			
ht			
girth			
Slope			
Soil			

COMMENTS

398

Shrub  
31cm  
side  
of shrub

9/29

41

Line no: 1 Bearing: N Date: 9/29 Recorders: .5 | 87.0 | .5 | 88.0 | .5 | 89.0 | .5

% cover 81.0 | .5 | 82.0 | .5 | 83.0 | .5 | 84.0 | .5 | 85.0 | .5 | 86.0 | .5 | 87.0 | .5 | 88.0 | .5 | 89.0 | .5

Stipa

Bougrea

Bouhbir

Boucur

Boueri

Aris

Eragastis

Forb

Shrub

Opimb

Oppol

Crypt

lichen

moss

algae

BUC

Rock >6cm

Stone <6cm

Pebble

Bare ground

Wood >7.5cm  
deb. <7.5cm  
litter <1cm

Tree  
sp. =  
ht  
girth  
Slope  
Soil

10

15 5 20

10 25 20 40 20

5 5

5 5

1

Can 50 Can 50 Can 50 Can 50 Can 50

Can 50 Can 50

1

5 2

5 2

5 2

5 2

5 2

5 2

5 2

5 2

5 2

5 2

5 2

5 2

5 2

5 2

5 2

70

60

40

30

60

70

70

70

70

70

70

70

70

70

70

70

70

70

70

70

70

70

70

70

COMMENTS

NO

WV  
SOIL  
still

Saint  
Iliastera

→

Line no: / 100-  
 % cover 90.0 Bearing: N  
 Date: 9/29  
 Recorders: .51 91.0 .51 95.0 .51 96.0 .51 97.0 .51 98.0 .51

Stipa																			
Bougra																			
Bouhhr	80	20	60	10	20	30	10	30	5					15					
Boucure																			
Boueri				40	25	10	40	35	10	35	60	15	2						
Aris									15										
Alnus																			
Prunus																			
Forb																			
Salix																			
Cyperus																			
Sedum																			
Valeriana																			
Spruce																			
Opimb																			
Opool	seedling																		
Crypt																			
Lichen				10															
moss																			
algae																			
BUC																			
Rock >6cm																			
Stone <6cm																			
Pebble																			
Sand	45	70	25	15	30	40	50	30	35	35	30	60	1						
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	55	30	70	80	70	60	50	70	65	65	70	40	99	100	100	100	100	100	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS: 2 Barren 15  
 Barren 2 Soil 15  
 Trees to get ->

105-

Line no: /  
% cover

4  
99.0

Bearing: N  
5  
100.0

Date: 9/29

Recorders:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Stipa																						
Bougrea																						
Bouhbir				20	1.0																	
Boucur		10	25	35																		
Boueri	10			20																		
Aris																						
Leucurus	10																					
Forb																						
len 0.1	1																					
cy 0.000																						
Shrub																						
Optimb																						
Oppol	20																					
Crypt																						
lichen																						
moss																						
algae																						
BUC																						
Rock >6cm				25	20																	
Stone <6cm				15	5																	
Pebble				5	5																	
Bare ground		5	20	40																		
Wood >7.5cm				3																		
deb. <7.5cm																						
litter <1cm	100	95	40	35																		
Tree		100%	80%																			
sp. =	Sho																					
ht	121																					
girth	12.5																					
	5.2																					
Slope																						
Soil																						

COMMENTS



Line no: /

Bearing: 350°  
Sample 2.0

Date: 8/13

Recorders: D.Pm / SARL

8.01 8.5

% cover	0.01	0.51	1.01	1.51	2.01	2.51	3.01	3.51	4.01	4.51	5.01	5.51	6.01	6.51	7.01	7.51	8.01	8.51
Slipa	30	20	35	25		33	50	33				5	30	30	35	5	40	50
Bougrea	10			10			25	10	20									
Bouhair																		
Boucur																		
Boueri	10	20	35	15	37.5	15		15	40	60	55	44	30	30	35	65	40	25
Aris																		
Grass	50	40	75	75	75	53	75	2	60	60	55	60	60	60	70	70	80	75
Herb																		
Forb Sp.	1				5		+	2		✓	✓		1	+	1		1	1
VAID 3		+									+							
Leaves																		
Red Wood Camp																		
Shrub																		
Opimb																		
Oppol																		
Crypt			15	15	25	20	5	10	10	10	5	5	4	5	5	10	15	15
Lichen				✓	✓	✓		✓		✓	✓					✓	10	✓
moss				✓	✓													
algae																		
BUC				✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	✓	✓
Rock >6cm																		
Stone <6cm																		
Pebble	+																	
Bare ground	49	20	5	0	10	5	5	9	7	10	25	5	8	30	15	10	5	4
Wood >7.5cm																		
deb. <7.5cm																		
litter <1cm	30	30	5	25		33	40	10	50	40	30	25	30	25	40	35	50	25
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

\*

Buc if black 830

Line no: 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5

% cover

Bearing: 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5

Date: 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5

Recorders: 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5

Stipa 40 75 75 80 75 20 35 50 10 5 30 1 70 15 25 30 70

Bougrea 20 20 20 20 35 8 1 5 25 50 50 10 175 25 30 5

Bouhair 1 20

Boucure 5 60 55

Boueri 1

Aris 1

Grass 60 75 82 80 75 60 70 63 71 65 55 51 50 80 50 60 60 75

Hillary

Forb 7

Opimb

Oppol

Crypt 25 15 7 8 20 10 10 8 5 10 5 15 5 15 4 15 7 15

lichen 20 5 1 1 20 10 10 8 5 10 5 15 5 15 4 15 7 15

moss 5

algae 1

BUC 1

Rock >6cm

Stone <6cm

Pebble

Bare ground 7 5 7 5 5 5 2 10 5 15 15 20 5 10 15 10 5

Wood >7.5cm

deb. <7.5cm

litter <1cm

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS

221

238

25

Line no:  
% cover

Bearing:

Date:

Recorders:

Line no:	% cover	Bearing:	Date:	Recorders:
Stipa	7	1	1	
Bougra	63	30	50	45
Bouhir		30		25
Boucur				
Boueri				
Aris				
Grass	70	60	50	50
Hilpa				
Forb				
Herb				
Pole				
Cheer				
ChV (Pcalt)				
Satur				
eye herb				
Opimb				
Oppol				
Crypt	5	5	2	11
Lichen	✓	✓	✓	✓
moss				
alga (moss)				
BUC	✓	✓	✓	✓
Rock >6cm				
Stone <6cm				
Pebble				
Bare ground	20	20	30	5
Wood >7.5cm				
deb. <7.5cm				
litter <1cm	20	30	30	40
Tree				
sp. =				
ht				
girth				
Slope				
Soil				
COMMENTS				

939

Mass not >10% of crypt (956) (54)



Line no: 35  
% cover: 35

Bearing: .5 | 4.0 | .5 | 5.0 | .5 | 6.0 | 6.5 | 7.0 | .5 | 8.0 | .5 | 9.0 | .5 | 10.0 | .5 | 11.0 | .5

Date: .5 | 6.0 | 6.5 | 7.0 | .5 | 8.0 | .5 | 9.0 | .5 | 10.0 | .5 | 11.0 | .5

Recorders: .5 | 8.0 | .5 | 9.0 | .5 | 10.0 | .5 | 11.0 | .5

Stipa																		
Bougrea	5	35	70	50		60	10											
Bouhir																		
Boucur																		
Boueri	Sedge 1																	
Aris																		
goug	60	40	75	50	15	60	70	70	75	30	75	30	40	35	70	75	75	75
Hildan	5						60	5	25	10								
Sath	50	5																
Forb	Sph																	
OP																		
Herb	7	10																
Colpa		2																
guls					12.5	40												
Shrub																		
Opimb	ca 100	ca 50																
Oppol																		
Crypt			3	2	5	4	8	5	5		5	15	5	6	6	5	3	4
Lichen			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
moss							+											
algae (suber)														+	+			
BUC (Ruscus)			✓	✓	✓	✓	(5)	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																		
Stone <6cm																		
Pebble																		
Bare ground		2	7	10	30	20	10	15	10		8	25	20	40	40	10	15	6
Wood >7.5cm																		
deb. <7.5cm	50	25	2															
litter <1cm	75	70	70	75	30	80	70	75	80	50	80	60	75	45	55	80	80	80
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

(19)

1292

(20)

Line no: 334  
 % cover 334  
 Bearing: 334  
 Date: 19.01  
 Recorders: 19.01

Line no	% cover	Bearing	Date	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder
Stipa																				
Bougra	75	75	70	75	30	60	75	50	40	60	55	35	67	60	75	40	40	50		
Bouhair																				
Boucur																				
Boueri																				
Aris																				
Forb	3		1		+										5					
Shrub	+																			
Opimb																				
Oppol					5	25														
Crypt	3	1	10	5	15	5	10	5	1	3				2	4					
Lichen	✓	✓			✓	✓	✓	✓						✓	✓					
moss																				
algae	✓	✓			✓	✓	✓	✓	+	✓				✓	✓					
BUC																				
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bara ground	80	85	80	85	80	75	80	60	75	75	60	75	90	75	40	75	45	45	55	
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm																				
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				
COMMENTS																				

293

Bany Scarf

310

108

Line no: 334 Bearing: .5122.01 .5129.01 .5121.01 .5125.01 .5125.5126.01 26.5127.01 27.5128.01 28.5129.01 29.5

% cover 121.0

Date: .5121.01 .5125.01 .5125.5126.01 26.5127.01 27.5128.01 28.5129.01 29.5

Recorders:

Stipa																					
Bougra	75	25	75	75	75			25	70	75	70	75	70	65	60	65	45	65	45	75	75
Bouhri																					
Boucur																					
Boueri																					
Aris																					
G/Agas		25	25	75	75	75	75	25	70	75											
Sq/H.15																					
Forb																					
lens																					
g/feral																					
sol/raa																					
Orndia																					
shrub																					
lyp																					
Optimb																					
Oppol																					
Crypt			1	5	3	1	1					5	6	8	8	1	5	4	10	10	5
Lichen																					
moss																					
algae																					
BUC			+	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																					
Stone <6cm																					
Pebble																					
Bare ground	19.5	55	15	8	1	1	1	1	1	19.5	15	25	20	25	20	25	20	25	25	15	20
Wood >7.5cm																					
deb. <7.5cm																					
litter <1cm	80	30	80	80	80	85	90	75	75	75	80	80	75	80	45	70	70	65	80	80	80
Tree																					
sp. =																					
ht																					
girth																					
Slope																					
Soil																					

COMMENTS

Bunny  
Scale

128  
328

Line no: 334 Bearing: N Date: 8/13 Recorders: SARU/DPM.

	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	
Slipa																			
Bougra	45	70	50	45	65	40	50	70	70	45	55	45	80	65	75	45	55	70	
Bouhir																			
Boucur																			
Boueri																			
Aris																			
Forb lobuss	1	+				+					3								
Sol. & lag								12.5											
Macrad																			
Sols																			
Hym rich.																			
Shrub																			
Opimb																			
Oppol																			
Crypt	15	8	5	12.5	5	5	8	7	1	5	7	3	5	5	20	15	12.5	20	
Lichen	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	
moss																			
algae																			
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rock >6cm																			
Stone <6cm																			
Pebble																			
Bare ground	10	15	30	30	20	40	30	10	8	16	30	30	65	25	5	10	15.0	10	
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	80	75	65	65	75	55	65	80	85	85	65	65	35	75	25	70	95	75	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

\* Click not Nat. average. Use only

white flower  
bruny  
Scab.  
[346]



Line no: 334  
% cover 39.0 | 39.5 | 40.0 | 40.5 | 41.0 | 41.5 | 42.0 | 42.5 | 43.0 | 43.5 | 44.0 | 44.5 | 45.0 | 45.5 | 46.0 | 47.0 | 47.5

Bearing: 40.0 | 40.5 | 41.0 | 41.5 | 42.0 | 42.5 | 43.0 | 43.5 | 44.0 | 44.5 | 45.0 | 45.5 | 46.0 | 47.0 | 47.5

Date: 42.0 | 42.5 | 43.0 | 43.5 | 44.0 | 44.5 | 45.0 | 45.5 | 46.0 | 47.0 | 47.5

Recorders: 43.5 | 44.0 | 44.5 | 45.0 | 45.5 | 46.0 | 47.0 | 47.5

Stipa 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Bougrea 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Bouhair 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Boucur 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Boueri 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Aris 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Sit bys 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

S Grass 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Forb 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Sol elop 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Man andi 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

spr 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Shrub 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Opimb 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Oppol 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Crypt 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

lichen 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

moss 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

algae 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

BUC 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Rock >6cm 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Stone <6cm 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Pebble 60 60 55 60 35 85 80 65 50 70 70 70 70 75 80 75 55 90

Bare ground 18 20 15 20 5 3 5 15 15 12.5 15 12.5 10 8 3 2 15 3

Wood >7.5cm 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

deb. <7.5cm 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

Litter <1cm 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

Tree 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

sp. = 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

ht 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

girth 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

Slope 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

Soil 76 75 80 75 90 90 95 75 70 80 80 85 80 85 95 80 95

COMMENTS

364

102

Handwritten notes

Line no: 1 Bearing: 48.0 | 48.5 | 49.0 | 49.5 | 50.0 | 50.5 | 51.0 | 51.5 | 52.0 | 53.0 | 54.0 | 55.0 | 55.5 | 56.0 | 56.5

% cover 33+ | 48.0 | 48.5 | 49.0 | 49.5 | 50.0 | 50.5 | 51.0 | 51.5 | 52.0 | 53.0 | 54.0 | 55.0 | 55.5 | 56.0 | 56.5

Recorders:

.5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5

Stipa 85 70 80 70 80 75 75 50 75 40 60 70 75 65 60 75 85

Bougrea 85 70 80 70 80 75 75 50 75 40 60 70 75 65 60 75 85

Bouhair 5 10

Boucur 5

Boueri

Aris

Gross 85 75

Forb 8 2 1 7 3

Spha. 8 2 1 7 3

Sclerog

Shrub

Optimb 10 12.5

Oppol

Crypt 3 5 3 5 3 5 8 5 8 5 8 3 5 5 3 3

Lichen

moss

algae

BUC

Rock >6cm

Stone <6cm

Pebble

Bare ground 12 12.5 12.5 10 10 8 12.5 15 35 20 20 25 15 5 10 8 10 5

Wood >7.5cm

deb. <7.5cm

litter <1cm 90 80 85 90 85 90 85 80 55 80 80 70 80 90 80 75 85 90

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS

50:50 Area Bue.

382

334

27 27  
15 15  
4 2  
15  
57  
15  
72

Line no: 1	Bearing: 57.0	57.5	58.0	.5	59.0	59.5	60.0	61.5	61.0	61.5	62.0	62.5	63.0	.5	64.0	.5	65.0	.5	65.5
% cover 334	59.0	57.5	58.0	.5	59.0	59.5	60.0	61.5	61.0	61.5	62.0	62.5	63.0	.5	64.0	.5	65.0	.5	65.5
Date: 59.0	59.5	60.0	61.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5
Recorders: 70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165
Slipa																			
Bougra	70	75	70	65	45	70	70	45	40	50	70	70	70	80	80	80	80	85	75
Bouhir																			
Boucur																			
Boueri																			
Aris																			
sifts																			
Total Area										70	75								
Forb Sleyh																			
Sprawl																			
chano fo	1																		
Man nei																			
SuSuSuSu																			
SHRUB																			
Opimb																			
Oppol																			
Crypt	8	5	3	3	2	3	2	+	2	1	+	2	8	1	3	+	+	+	+
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss																			
algae																			
BUC	✓	✓	✓	✓	✓	✓	✓	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																			
Stone <6cm																			
Pebble																			
Bare ground	10	10	10.5	15	35	17	15	40	35	20	15	15	10	5	5	3			20
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	75	80	80	75	55	80	75	50	50	75	30	80	90	90	90	95	25		60
Tree																			
sp. = f u n .																			
ht																			
girth																			
Slope																			
Soil																			
COMMENTS																			

250p  
5N-  
1400

Line no: /  
 % cover 33+ 66.0 | Bearing: .5 | .0 | .5 | 18.0 | .5 | 69.0 | .5 | 70.0 | .5 | 71.0 | .5 | 72.0 | .5 | 73.0 | .5 | 74.0 | .5

Date:  
 Recorders: DPM / FRKL

Stipa																								
Bougrea	75	70	60	85	70	65	60	80	60	65	75	70	50	80	5	2	65	75						
Bouhair			15																					
Boucur																								
Boueri																								
Aris																								
SIL hie	5																							
Forb 50k																								
OPIMB	6																							
Oppol	10																							
Crypt	4	2	2	1	3	5	3	4	8	7	12.5	1	3		25	20	1							
lichen	V	V		V	V	V	V	V	V	V	V	V	V		V	V	V							
moss																								
algae																								
BUC	V	V		V	V	V	V	V	V	V	V	V	V		V	V	V							
Rock >6cm																								
Stone <6cm																								
Pebble																								
Bare ground	5	10	5	1	10	20	15	5	10	20	5	12.5	20	15	5	5	10	10						
Wood >7.5cm																								
deb. <7.5cm	5																							
litter <1cm	85	80	85	90	85	70	65	85	80	75	80	75	60	50	50	50	75	80						
Tree																								
sp. =																								
nt																								
girth																								
Slope																								
Soil																								
COMMENTS																								

100

418

286

33

DPM SARL

Line no: 750 Bearing: .5 | 76.0 | .5 | 77.0 | 775 | 78.0 | .5 | 79.0 | .5 | 80.0 | .5 | 81.0 | .5 | 82.0 | .5 | 83.0 | .5

Recorders:

Stipa																						
Bougrea	75	50	40	25	60	60	40	70	25	40	35	35	30	70	60	75	65	60				
Bouhira																						
Boucur																						
Boueri																						
Aris																						
Hillborn																						
SARL COB																						
rst Grass																						
Forb Sph																						
Grass																						
Shrub																						
Opimb																						
Oppol																						
Crypt	8	3	15	5	125	15	25	8	10	15	125	5	5	15	5	1	5					
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss																						
algae																						
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																						
Stone <6cm																						
Pebble																						
Bare ground	20	35	30	50	125	15	25	10	40	35	30	125	70	15	15	125	20	25				
Wood >7.5cm																						
deb. <7.5cm																						
litter <1cm	80	55	55	40	70	70	50	80	45	50	60	80	40	80	70	80	70	75				
Tree																						
sp. =																						
ht																						
girth																						
Slope																						
Soil																						
COMMENTS																						

gt

436

0-380

334

Line no: 1 334  
 % cover 334 84.0  
 Bearing: .5 | 85.0 | .5 | 86.0 | .5 | 87.0 | .5 | 88.0 | .5 | 89.0 | .5 | 90.0 | .5 | 91.0 | .5 | 92.0

Date: 8/13

Recorders: DPM / SARK

Stipa																				
Bougra	70	70	75	80	75	60	55	55	75	50	50	75	75	75	50					15
Bouhrr																				
Boucur																				
Boueri																				
Aris																				

Forb Sol																				
Sol 160g																				8
2m 8m																				
Chend Plant																				
Shrub																				

Opimb																				50
Oppol																				
Crypt	5	1	2	5	6	5	1	5	8	+	10	5	3							
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
moss																				
algae (and)																				
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Rock >6cm																				
Stone <6cm																				
Pebble																				
Bare ground	20	25	10	5	10	20	30	20	15	35	35	50	15	10	40	85	35	40		
Wood >7.5cm																				
deb. <7.5cm																				
Litter <1cm	75	75	85	85	85	70	65	65	85	55	60	80	80	85	55					

Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

COMMENTS  
 220  
 Bunny scat  
 242  
 454  
 252

133+

Line no: 1  
% cover

Bearing: N

Date: 2/14

Recorders: 165 m. Ely

Stipa																					
Bougra	75	68	25	45	70	75	80	75	70	60	45	15	20	10	50	70	73				
Bouhr			12.5	40																	
Boucur																					
Boueri																					
Aris																					
Sik hags		2	12.5																		
Hil jam		70	50	35	10						5	19.5	5	90	55	72	80				
gads																					
Forb																					
sol elav	1	3	3			4															
Sargal																					
Leh PN1										3	1	1	4	1							
Chemo																					
Shrub																					
Comm																					
Opimb																					
Oppol											5	1	10	18							
Crypt	+	+	Ø	3	2	+	3	5	3	1	5	4	3	5	2	5	8	3			
Lichen	+	-		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
moss								+													
algae																					
BUC	+	-		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Rock >6cm				Ø																	
Stone <6cm																					
Pebble																					
Bare ground	5	12.5	30	4	8	5	3	5	12.5	10	12.5	20	35	35	15	25	15	15			
Wood >7.5cm																					
deb. <7.5cm			5	4			6														
litter <1cm	80	80	65	95	85	99	90	90	20	80	70	60	30	50	85	70	75	90			
Tree																					
sp. =																					
ht																					
girth																					
Slope																					
Soil																					
COMMENTS																					

953

953x



Moss on far side of road

Berry Seal

Sunny Seal

472

910

733

Line no: 93.0 | Bearing: .51 94.01 | Date: .51 96.01 | Recorder: .51 94.01

Stipa | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Bougrea | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Bouhair | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Boucure | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Boueri | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Aris | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Paris | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Forb sp | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

OPP | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Soil | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Cir | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Shrub | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Opimb | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Oppol | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Crypt | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Lichen | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

moss | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

algae | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

BUC | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Rock >6cm | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Stone <6cm | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Pebble | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Bare ground | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

Wood >7.5cm | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

deb. <7.5cm | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

litter <1cm | 50 | 70 | 50 | 40 | 50 | 70 | 80 | 25 | 66 | 25 | 84 | 75 | 75 | 100.01 | .51 | .01 | .51

486

486

884

Fungus Fungus

under opening

COMMENTS

Line no:	93.0	Bearing:	.51 94.01	Date:	.51 96.01	Recorder:	.51 94.01	.51 99.01	.51 100.01	.51	.01	.51
% cover												
Stipa	50	70	50	40	50	70	80	25	66	25	84	75
Bougrea	50	70	50	40	50	70	80	25	66	25	84	75
Bouhair	50	70	50	40	50	70	80	25	66	25	84	75
Boucure	50	70	50	40	50	70	80	25	66	25	84	75
Boueri	50	70	50	40	50	70	80	25	66	25	84	75
Aris	50	70	50	40	50	70	80	25	66	25	84	75
Paris	50	70	50	40	50	70	80	25	66	25	84	75
Forb sp	50	70	50	40	50	70	80	25	66	25	84	75
OPP	50	70	50	40	50	70	80	25	66	25	84	75
Soil	50	70	50	40	50	70	80	25	66	25	84	75
Cir	50	70	50	40	50	70	80	25	66	25	84	75
Shrub	50	70	50	40	50	70	80	25	66	25	84	75
Opimb	50	70	50	40	50	70	80	25	66	25	84	75
Oppol	50	70	50	40	50	70	80	25	66	25	84	75
Crypt	50	70	50	40	50	70	80	25	66	25	84	75
Lichen	50	70	50	40	50	70	80	25	66	25	84	75
moss	50	70	50	40	50	70	80	25	66	25	84	75
algae	50	70	50	40	50	70	80	25	66	25	84	75
BUC	50	70	50	40	50	70	80	25	66	25	84	75
Rock >6cm	50	70	50	40	50	70	80	25	66	25	84	75
Stone <6cm	50	70	50	40	50	70	80	25	66	25	84	75
Pebble	50	70	50	40	50	70	80	25	66	25	84	75
Bare ground	50	70	50	40	50	70	80	25	66	25	84	75
Wood >7.5cm	50	70	50	40	50	70	80	25	66	25	84	75
deb. <7.5cm	50	70	50	40	50	70	80	25	66	25	84	75
litter <1cm	50	70	50	40	50	70	80	25	66	25	84	75
Tree	50	70	50	40	50	70	80	25	66	25	84	75
sp. =	50	70	50	40	50	70	80	25	66	25	84	75
ht	50	70	50	40	50	70	80	25	66	25	84	75
girth	50	70	50	40	50	70	80	25	66	25	84	75
Slope	50	70	50	40	50	70	80	25	66	25	84	75
Soil	50	70	50	40	50	70	80	25	66	25	84	75



9.45 am

133+

W. of road

at morning

Line no: 1  
 Bearing: N 1.00 E  
 Date: 8/14  
 Recorder: DPM/SMS

Line no:	% cover	0.01	.51	1.01	.51	2.01	.51	3.01	.51	4.01	.51	5.01	.51	6.01	.51	7.01	.51	8.01	.51	
Stipa																				
Bougra	50	30	25	65	70	40	65	60	50	70	40	85	70	70	30	55	50	60		
Bouhir	10	10	10	10	10	10	10	20	10			20	20							
Boucur																				
Boueri																				
Aris																				
Hilbon																				
Grass	60	40	35	75	80	50	75	40	60	70	60	75	70	70	60	75	50	60		
Forb	1			+																
Flora																				
Shrub																				
Opimb																				
Opol																				
Crypt	6	10	5	15	10	10	15	10	12.5	15	12	15	5	10	12.5	10	20	12.5		
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
moss	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
algae vesicle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BUC	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bara ground	8	20	40	10	2	20	7	10	15	15	25	10	15	8	12.5	12.5	15	15		
Wood >7.5cm																				
deb. <7.5cm	?																			
litter <1cm	70	50	55	80	80	70	85	80	70	80	70	80	80	80	80	80	80	65	70	
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

Kim 133417  
 with original data  
 starts gate, scale  
 slope  
 Rice  
 490  
 scale  
 504  
 302

1331

Prognostic

150

Line no: 1  
% cover 9.01  
Bearing: N  
Date: 8/11  
Recorders: DPM/JARL  
Flag

Line no	% cover	Bearing	Date	Recorder	Flag														
Stipa	55	60	20	50	70	45	75	50	60	60	65	70	75	80	70	70			
Bougrea	10	10																	
Bouhair																			
Boucur																			
Boueri																			
Aris																			
Grass	65	70	70	50	70	60	40	75	70	60	60	60	75	75	80	70			
Forb																			
Forb																			
Shrub																			
Optimb																			
Optol																			
Crypt	✓	6	8	1	1	+	2	2	1	3	8	10	10	7	10	2	3	5	7
Lichen	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss			+				+	✓	✓	✓	✓	+	✓	✓	✓	✓	✓	✓	+
algae																			
Postor																			
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																			
Stone <6cm																			
Pebble																			
Bara ground	20	15	15	20	15	20	20	12.5	20	20	5	12.5	12.5	10	8	15	25	10	
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	75	80	75	70	80	70	60	80	80	75	70	70	85	85	90	80	70	80	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			
COMMENTS																			

Bunny  
Scal

320  
522

1334

Line no: 1  
% cover 1/6.01  
Bearing: N  
Date: 8/14  
Recorders: DPM/JARL

Stipa	40	45	50	35	65	55	65	50	60	60	60	60	60	75	10	30	75	80	80	80	70	80
Bougara	5		10					20	5													
Bouhair																						
Boucur																						
Boueri																						
Aris																						
Sik																						
Cyperus	45	45	60			65		70	60					95	70	65	75	80				
Forb																						
gob																						
Pla pot																						
Sol clay																						
Shrub																						
Opimb																						
Oppol																						
Crypt	18.5	7	7	2	8	10	12.5	12	72	1	1	φ	10	8	8	8	8	8	8	8	3	+
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	+		✓	✓	+						✓	✓
moss		+				+	+															
algae N <sub>6</sub> H <sub>4</sub>		✓	✓	✓	✓	✓	✓	✓	5	>	>		✓	✓	✓						✓	✓
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	+		✓	✓	✓						✓	✓
Rock >6cm																						
Stone <6cm																						
Pebble																						
Bare ground	20	20	20	405	20	10	15	10	80	25	12	φ	10	5	5	3	20	8				
Wood >7.5cm								1			3	12.5										
deb. <7.5cm																						
litter <1cm	60	55	75	44	74	75	75	30	80	70	85	80	75	90	90	90	90	90	90	95	85	
Tree																						
sp. =																						
ht																						
girth																						
Slope																						
Soil																						

COMMENTS

523  
38

1  
Cold  
dry

↑  
Empty

538  
540

1334

Line no: 1  
% cover 36.0  
Bearing: N  
Date: 8/14  
Recorders: DRM/JARL

Line no:	% cover	Bearing:	Date:	Recorders:
Stipa				
Bougrea	74	70	46	40
Bouhtr				
Boucur				
Boueri				
Aris				
Hillgrass	6		125	5
Spannahl's			12.5	1
grass	40	70	40	55
Forb Comm				
cheese	+			
sp. 1	10			
soliflora	+			
shell	3			
Shrub				
Lotus				
Opimb				
Oppol				
Crypt	6	10	1	
Lichen	✓	✓	✓	
moss				
algae				
BUC	✓	✓	✓	
Rock >6cm				
Stone <6cm				
Pebble				
Bare ground	15	125	40	15
Wood >7.5cm				
deb. <7.5cm				
litter <1cm	85	80	50	80
Tree				
sp. =				
ht				
girth				
Slope				
Soil				

COMMENTS

141

↑ slope

558  
356



1334

Line no: 1  
 % cover 54.0  
 Bearing: N  
 Date: 8/14  
 Recorders: *[Handwritten]*

Species	Count	DBH	Height	Other	...	...	...	...	...	...
Stipa										
Bougra										
Bouhri										
Boucur										
Boueri										
Aris										
DA M16	5	15	20							
SLP24										
Forb										
Misc grasses	5									
Shrub Juniper										
Opimb										
Opol										
Crypt										
lichen										
moss										
algae										
BUC										
Rock >6cm										
Stone <6cm										
Pebble										
Bara ground										
Wood >7.5cm	25	10	10	5	125	10				
deb. <7.5cm	160	100	100	100	100	100	95	5	25	
litter <1cm										
Tree										
sp. = P. A. Rd										
ht 6.3.1 = 9m										
girth 4.3"										
Slope										
Soil										

COMMENTS  
 54.1  
 core ~ 1ft W  
 592 TTR  
 392

2' high  
 P. A. Rd

594  
 392

1334

Line no: 1 Bearing: N Date: 8/11 Recorders: DPM JARL

	63.0	.51	64.0	.51	65.0	.51	66.0	.51	67.0	.51	68.0	.51	69.0	.51	70.0	.51	71.0	.51		
Stipa																				
Bougria																				
Bouhri	15		20																	
Boueri											20	35	50	65	45	50	70	80	60	
Aris																				
Stipa	45		50		125		8		5		8		75		+					
Grass	60		70		75								75							
Forb																				
Spelt			1																	
Leg = Descoo																				
Chenop									2		1									
Shrub																				
Opimb			2																	
Opol-type															50	70				
Crypt			5														4		1	1
Lichen			✓																	
Moss green/blue																				
algae/loshc																				
BUC			✓																	✓
Rock >6cm																				
Stone <6cm			10																	3
Pebble	25		125																	1
Bare ground	15		20																	20
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	80		60		100		100		100		100		100		100		100		100	75
Tree																				
SP. = Juniper																				
ht @ 10m			+182		-152		=													
girth ~7'																				
Slope																				
Soil																				

COMMENTS

1/10/97

660 Middle of diameter

700

700

612 410

133+

Line no: 1

Bearing: N

Date: 8/14

Recorders: OPM JAKL

% cover	72.0	.5	73.0	.5	74.0	.5	75.0	.5	76.0	.5	77.0	.5	78.0	.5	79.0	.5	80.0	.5
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Stipa																			
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Bougra																				
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Bouhair																				
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Boucur																				
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Boueri	25		30		50		+		5		10		10		65		50		55		30		85		45		20		10	
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Aris																														
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Forb																														
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Shrub																														
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Opimb																														
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Opol-15m																														
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Crypt	1		1		2		+		2		+		1		1		3		3		+		1		1		1		2		1
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lichen	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
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moss																														
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algae																														
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BCU	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
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ROCK >6cm																														
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Stone <6cm	3																													
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Pebble	1		2		+		3		2		4		2		3		1		3		2		2		1		3		2	
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Bara ground	65		50		15		95		50		15		60		20		30		25		20		70		60		45		40	
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Wood >7.5cm																														
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deb. <7.5cm																														
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litter <1cm	30		40		65		✓		50		85		30		80		70		75		80		30		40		45		60	
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Tree																														
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sp. =																														
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ht																														
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girth																														
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Slope																														
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Soil																														
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COMMENTS

(11)

burning

↑

630  
428



133 +

Line no: 1

Bearing: N

Date: 8/14

Recorders: DPM JARL

	81.0	.5	82.0	.5	83.0	.5	84.0	.5	85.0	.5	86.0	.5	87.0	.5	88.0	.5	89.0	.5	
Stipa	50																		
Bougra	8	35	125																
Bouhair																			
Boucur																			
Boueri	2	25	125	5	10	25													
Aris																			
Grass	60	30	25	50	75	70													
Forb																			
Shrub																			
Opimb																			
Opol																			
Crypt	2	1	1		2	2													
lichen	✓	✓			✓	✓													
moss																			
algae																			
BUC	✓	✓	✓		✓	✓													
Rock >6cm			3		10														
Stone <6cm	7	2	125	6															
Pebble	+	2	5	7															
Bara ground	15	15	65	30	15	5													
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	70	80	30	60	90	75	75	75	85	75	80	80	65	80	75	70	80	80	80
Tree																			
SP. =																			
ht																			
girth																			
Slope																			
Soil																			
COMMENTS																			

2500 Can 2500 100 150cm

Bumpy soil

moisture

648  
746

133+

Line no: 133+ Bearing: N Date: 8/14 Recorders: [Signature]

	95.0	96.0	97.0	98.0	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0	108.0	109.0	110.0
Stipa		20	35		50	75	80	45		50	75	80	75	75	25	10
Bougra				55	10											
Bouhira		20	12.5	10												
Boucur																
Boueri			12.5		25		1	5		4	5					
Aris																
SIT his																
Forb																
Sp. 1/2/1			1													
2 in good				5												
Shrub																
Opimb																
Oppol																
Crypt																
Lichen																
moss																
algae																
BUC																
Rock >6cm																
Stone <6cm																
Pebble																
Bara ground																
Wood >7.5cm																
deb. <7.5cm																
litter <1cm																
Tree																
sp. =																
ht																
girth																
Slope																
Soil																

COMMENTS

(133)

666  
H 64

1337

Bearing: N

Date: 8/14

Recorders:

Line no: 1  
 % cover 99.0 .5  
 Bearing: 90 80 90 95 80 30 95 45 75 70 80 60 10 65 82 45  
 Date: 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5  
 Recorders: 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5

Stipa	50	75	60	85	55	55	70	95	80	30	95	45	75	70	80	60	10	65	82	45
Bougra																				
Bouhir	5	20																		40
Boucur																				
Boueri			15	5	5		5			30		40	10		10	65	82	45		
Aris																				
Grass	55	95	75	90	60					65		85	85		90				90	85
Forp																				
DAVID	1									1										+
SP6																				
Dahla																				2
Shrub																				
Opimb																				
Oppol																				
Crypt		5		1	3	3	4	2	1	5	3	17	6	4	3	3	2	2	2	2
Lichen			✓				✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
moss																				
algae												15								4
BUC			✓				✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm										6										
Stone <6cm					1															
Pebble	12.5	3	2	2	5	8	8	3	8	3	3	5	4	10	8	10	5	10	6	10
Bare ground	40	5	10	10	35	40	10	5	12.5	15	5	5	6	8	15	10	10	4	4	10
Wood >7.5cm																				
deb. <7.5cm																				
Litter <1cm	5	75	80	80	60	50	80	85	80		90	80	70	60	70	60				80
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

COMMENTS

mill top

steps 10

Note @ 1st Pinon. ground features

684

488

233+

Line no: / 8.0 Bearing: N / Date: 2/14 Recorders: .5 13.0 .5 14.0 .5 15.0 .5 16.0 .5

	8.0	9.0	10.0	10.5	11.0	12.0	13.0	14.0	15.0	16.0	17.0
Stipa		20	60	20	45	45	25				
Bougra		20	5				20				
Bouhnr	20										
Boucur	30	20	5	5	20	10	50	70	90	45	20
Boueri	25			35							
Aris											
Grass	75	60	70	60	65	65	90	90	90	95	30
Forb							1				
Opimb											
Oppol											
Crypt	1	3	2	5	8	3	3	5	3	2	2
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss				+	+						
algae		+									
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm	5	5									
Stone <6cm	5	25	10	10	4						
Pebble	8		9	12.5	20	8	5	5	4	25	5
Bare ground	10	4	4	12.5	5	20	10	35	40	30	10
Wood >7.5cm											
deb. <7.5cm											
litter <1cm	65	60	60	55	60	50	60	85			
Tree											
sp. =											
nt											
girth											
Slope											
Soil											
COMMENTS	Rocky patch										

702  
500

Line no: 1  
 % cover .01 .51 1.01 .51 2.01 .51 3.01 .51 4.01 .51 5.01 .51 6.01 .51 7.01 .51 8.01 .51

Bearing: N

Date: 8/15

Recorders: JARL

Line no:	% cover	0.01	0.51	1.01	0.51	2.01	0.51	3.01	0.51	4.01	0.51	5.01	0.51	6.01	0.51	7.01	0.51	8.01	0.51
Stipa																			
Bougrea																			
Bouhair	30	30	34	80	60	70	5			10	25	60	35	90	55	75	60	50	60
Boucur																			
Boueri	30	30	37							65	20	10							
Ariswri																			
Spa Can																			
Grass Tot	60	60	75	80	60	75	80	85	25	70	20	70	90	80	75	75	70	70	65
Forb																			
Low FFI																			
David Seedln																			
Field Rec																			
Red/Orange																			
Shrub																			
Yellow Mes																			
Opimb																			
Oppol																			
Crypt	3	4																	
Lichen	✓	✓	✓				2												
moss							✓												
algae																			
BUC	✓	✓	✓				✓												
Rock >6cm																			
Stone <6cm																			
Pebble	3	4	2	3			3												
Baragravel	70	70	15	6	20	8	8	2	15	10	20	20	5	10	15	20	15	25	25
Wood >7.5cm																			
deb. <7.5cm		1																	
litter <1cm	70	70	80	25	70	85	80	90	80	75	75	80	90	90	85	80	75	80	70
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			
COMMENTS																			

Burny  
Soil

720  
518

2504

Line no: 1  
% cover 9.0  
Bearing: N  
Date: 8/15  
Recorders: DPM JAH

	9.0	.5	1.0	.5	1.0	.5	1.0	.5	1.0	.5	1.0	.5	1.0	.5	1.0	.5	1.0	.5	
Stipa																			
Bougra	80	35																	
Bouhir			80	65	70	40	5	50	80	80	73	5	60	95	80	70	65	75	
Boucur																			
Boueri																			
Aris																			
Exp	5	40	10	70	70	80	75	80	80	80	85	80							
Forb																			
Opimb																			
Opol																			
Crypt	9	3	5	9				10	3	3	5	3	5	5	8	5	2	1	2
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	+																		
algae Nostrc.																			
BUc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																			
Stone <6cm																			
Pebble	+																		
Bare ground	10	10	5	5	20	10	15	20	15	15	10	5	10	10	10	15	20	25	20
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	15	85	80	95	75	80	75	70	75	80	85	90	70	80	95	65	70	70	80
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

98

Bumpy soil

mk w/d

738

# Panum - not same sp.  
as panum (Panum's grass)







2507

Line no: 1 Bearing: .5 | 37.0 | .5 | 38.0 | .5 | 39.0 | .5 | 40.0 | .5 | 41.0 | .5 | 42.0 | .5 | 43.0 | .5 | 44.0 | .5

Line no:	Bearing:	Date:	Recorders:
Stipa	70	50	75
Bougra	70	50	75
Bouhir			
Boucur			
Boueri			
Aris			
Cyp			
Forb			
Opimb			
Oppol			
Crypt	5	12.5	5
lichen	✓	✓	✓
moss			
algae			
BUC	✓	✓	✓
Rock >6cm			
Stone <6cm			
Pebble			
Grass ground	15	15	10
Wood >7.5cm			
deb. <7.5cm			
Litter <1cm	80	60	80
Tree			
sp. =			
ht			
girth			
Slope			
Soil			

566

392  
bury soil

Line no: 2504  
 % cover 45.01 Bearing: .5146.01 Date: .5148.01  
 .5147.01 Recorders: .5150.01 .5151.01 .5152.01 .5153.01 .5154.01 .5155.01

Stipa																							
Bougrea	95	85	75	90						55													
Bouhtr																							
Boucur																							
Boueri																							
Aris																							
Cyo																							
SIEHIS																							
Gross																							
Forb																							
Col flag																							
YR flag																							
Com																							
Vachina																							
Shrub																							
Opimb																							
Oppol																							

Crypt	10	12	16	3																			
Lichen	✓	✓	✓	✓																			
moss																							
algae																							
BUC	✓	✓	✓	✓																			

Rock >6cm																							
Stone <6cm																							
Pebble																							
Sand	5	5	8	3																			

Wood >7.5cm																							
deb. <7.5cm																							
litter <1cm	85	85	80	95	75	90	90	100	50	80	95	90	80	80	80	80	80	75	75	6			

Tree																							
sp. =																							
ht																							
girth																							
Slope																							
Soil																							

COMMENTS  
 NB  
 793  
 Wind = by course.  
 BARRY  
 SCALE  
 810

250+

Line no: / Bearing: Date: 8/15 Recorders: 63.0 .5 | 64.0 .5 | 65.0 .5 | 66.0 .5 | 67.0 .5 | 68.0 .5 | 69.0 .5 | 70.0 .5 | 71.0 .5

Stipa																											
Bougrea	65	70	55	65	60	54	70	55	65	45	85	40	60	60	50	60	40	40									
Bouhtr																											
Boucur																											
Boueri																											
Aris																											
Cyperus sp. com.											60	70															
Forb Echinochloa																											
Shrub																											
Opimb																											
Oppol																											
Crypt	13	12.5	12.5	10	12	6	12.5	12.5	13	2	15	8	12.5	15	12.5	12.5	5	10									
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
moss																											
algae																											
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Rock >6cm																											
Stone <6cm																											
Pebble																											
Wood >7.5cm																											
deb. <7.5cm																											
Litter <1cm	80	80	70	75	70	75	75	55	70	85	65	45	70	65	60	65	55	70									
Tree																											
sp. =																											
ht																											
girth																											
Slope																											
Soil																											

COMMENTS

buff  
 5' AS  
 The  
 starts  
 5' from  
 street open  
 118.5 ft  
 119.5 ft  
 120.5 ft  
 121.5 ft  
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 299.5 ft  
 300.5 ft

828

256

Line no: 1	% cover	Bearing: .51	73.01	.51	74.01	.51	75.01	.51	76.01	.51	77.01	.51	78.01	.51	79.01	.51	80.01	.51	
Stipa																			
Bougrea	55	35	25	25	15	10	55	55	25	45	35	40	25	70	65	65	30	75	
Bouhair																			
Boucur																			
Boueri																			
Aris		W.15						W.10											
W.10m	8	15	35	25	20	40	22.5	15	25	35	5								
Andra	63	55	77	50	35	50		75											
Forb	SA																		
Orchid	1																		
Non fl.	5																		
Herb for									3	5									
Shrub																			
Opimb																			
Oppol																			
Crypt	4	5	10	10	2	5	10	10	3	15	8	3	10	10	2	8	3	2	
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
moss																			
algae																			
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rock >6cm																			
Stone <6cm																			
Pebble																			
Sand	30	30	15	30	35	40	20	15	40	25	25	40	6	5	5	15	60	10	
Gravel																			
Wood >7.5cm				2	2														
deb. <7.5cm																			
litter <1cm	60	60	80	60	50	40	75	80	55	60	65	55	90	90	90	80	35	80	
Tree																			
sp. =																			
Int																			
girth																			
Slope																			
Soil																			

829  
Andra = Andropogon.

846

250

Line no: 1 Bearing: Date: Recorders:

	54.0	55.0	56.0	57.0	58.0	58.5	59.0	60.0	61.0	62.0	63.0
Stipa											
Bougra	20	50	60	45	55	55	40	35	35	70	80
Bouhtr							10	20	10		
Boucur											
Boueri											
Aris	20	5									
Hillam	10	5									
CYP	50	66						55	50	70	
Forb											
Frugosa						4					
Am. ex.						3					
T. ex. a.											
Plan Pat											
Shrub											
Opimb											
Oppol								10			
Crypt	3	3	10	15	15	15	20	12.5	5	4	15
lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss											
algae											
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm											
Stone <6cm											
Pebble											
Sand	10	12.5	2.5	4	15	20	15	8	1		
Wood >7.5cm											
deb. <7.5cm	6										
litter <1cm	65	75	140	50	45	75	65	75	70	75	70
Tree											
sp. =											
ht											
girth											
Slope											
Soil											
COMMENTS											

in soil  
d. m. s. f.

at 20  
b. m. s. f.

at 20  
b. m. s. f.

864

2504

Line no: / 81.0 Bearing: .5 | 82.0 .5 | 83.0 .5 | 84.0 .5 | 85.0 .5 | 86.0 .5 | 87.0 .5 | 88.0 .5 | 89.0 .5

Date: 8/15

Recorders: DPM/SARL

Plant/Category	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
Stipa									
Bougra	60	30	12.5	40	12.5				
Bouhtr						50			
Boucur						15	35		
Boueri	35	65	40	60	65	55	50	40	20
Aris									
Cyp		1							
H. Jan			725	00	795	10	65	80	40
Forb Spk									
Man Mer		1							
Dwd 1					3				
Leaf Ert									
Shrub									
Opimb									
Oppol					12.5				
Crypt	4	5	4	5	8	3	3	5	12.5
Lichen									
moss									
algae									
BUC									
Rock >6cm									
Stone <6cm									
Pebble		1							
Stone >6cm									
Wood >7.5cm									
deb. <7.5cm									
litter <1cm	70	80	80	80	80	80	80	70	50
Tree									
sp. =									
ht									
girth									
Slope									
Soil									

COMMENTS

365

Brany  
Scal  
Seals

85-90 Shell sparts of Passc

282

2504

Line no: / 90.01 .51 91.01 .51 92.01 .51 93.01 .51 94.01 .51 95.01 .51 96.01 .51 97.01 .51 98.01 .51

Bearing: .51 91.01 .51 92.01 .51 93.01 .51 94.01 .51 95.01 .51 96.01 .51 97.01 .51 98.01 .51

Date: .51 93.01 .51 94.01 .51 95.01 .51 96.01 .51 97.01 .51 98.01 .51

Recorders: .51 95.01 .51 96.01 .51 97.01 .51 98.01 .51

Stipa

Bougra

Bouhir

Boucure

Boueri

Aris

ORPAC

Forb

Shrub

Opimb

Oppol

Crypt

Lichen

moss

algae

BUC

Rock >6cm

Stone <6cm

Pebble

Bare ground

Wood >7.5cm

deb. <7.5cm

Litter <1cm

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS

Flag @

85.5

Mid of

Dr. N. P. P.

900

90.01

91.01

92.01

93.01

94.01

95.01

96.01

97.01

98.01

99.01

100.01

101.01

102.01

103.01

104.01

105.01

106.01

107.01

108.01

109.01

110.01

111.01

112.01

113.01

114.01

115.01

116.01

117.01

118.01

119.01

120.01

121.01

122.01

123.01

124.01

125.01

126.01

127.01

128.01

129.01

130.01

131.01

132.01

133.01

134.01

135.01

136.01

137.01

138.01

139.01

140.01

141.01

142.01

143.01





350 4

Line no: 8.0 | Bearing: .5 | Date: 11.0 | Recorders: 13.0 | 14.0 | 15.0 | 16.0 | .5

% cover: 8.0 | .5 | 9.0 | .5 | 10.0 | .5 | 11.0 | 11.5 | 12.0 | 12.5 | 13.0 | .5 | 14.0 | .5 | 15.0 | .5 | 16.0 | .5

Slipa | | | | | | | | | | | | | | | | | | | | | | | |

Bougra | | | | | | | | | | | | | | | | | | | | | | | |

Bouhrlr | 45.18 | 12.5 | 45.50 | | | | | | | | | | | | | | | | | | | | | | |

Boucur | | | | | | | | | | | | | | | | | | | | | | | |

Boueri | | | | | | | | | | | | | | | | | | | | | | | |

Aris | | | | | | | | | | | | | | | | | | | | | | | |

Forb | | | | | | | | | | | | | | | | | | | | | | | |

Opimb | | | | | | | | | | | | | | | | | | | | | | | |

Crypt | 2 | 2 | | | | | | | | | | | | | | | | | | | | | |

Lichen | | | | | | | | | | | | | | | | | | | | | | | |

moss | | | | | | | | | | | | | | | | | | | | | | | |

algae | | | | | | | | | | | | | | | | | | | | | | | |

BUC | | | | | | | | | | | | | | | | | | | | | | | |

Rock >6cm | | | | | | | | | | | | | | | | | | | | | | | |

Stone <6cm | 25 | 25 | 30 | 80 | | | | | | | | | | | | | | | | | | | | | | |

Pebble | 6 | 15 | 15 | 4 | 10 | | | | | | | | | | | | | | | | | | | | | | |

Bare ground | 15 | 25 | 110 | 30 | 45 | 35 | 40 | 15 | 80 | 20 | 20 | 30 | 55 | 50 | 35 | 30 | 50 |

Wood >7.5cm | | | | | | | | | | | | | | | | | | | | | | | |

deb. <7.5cm | | | | | | | | | | | | | | | | | | | | | | | |

Litter <1cm | 45 | 30 | 10 | 40 | 45 | 60 | 40 | 60 | 55 | 60 | 60 | 40 | 25 | 30 | 35 | 60 | 40 | 35 |

Tree | | | | | | | | | | | | | | | | | | | | | | | |

sp. = | | | | | | | | | | | | | | | | | | | | | | | |

ht | | | | | | | | | | | | | | | | | | | | | | | |

girth | | | | | | | | | | | | | | | | | | | | | | | |

Slope | | | | | | | | | | | | | | | | | | | | | | | |

Soil | | | | | | | | | | | | | | | | | | | | | | | |

COMMENTS

734  
936

3504

Line no: 1  
% cover 17.0 Bearing: .5 | 18.0 | .5 | 19.0 | .5 | 20.0 | .5 | 21.0 | .5 | 22.0 | .5 | 23.0 | .5 | 24.0 | .5 | 25.0 | .5

Date: 8/15

Recorders:

Stipa																					
Bougra																					
Bouhri	25	5	35		15	40	30	5										35	50	55	35
Boucur	10	15	40	40	5																
Boueri																					
Aris																					
Lycurus																					
Dorac			75										30	25							
Forb																					
14m NY																					
Festuca																					
Lever					1				1												
Shrub																					
quills																					
Opimb																					
Opop	5	5																			
Crypt	2	1	4	5	2																
Lichen																					
moss																					
algae																					
BUC																					
Rock >6cm		10																			
Stone <6cm	8	15	30	10	10	10	5	25		25											
Pebble	2	5	15		3	5	20														
Baraground	50	35	15	20	45	40	40	5													
Wood >7.5cm																					
deb. <7.5cm																					
litter <1cm	40	20	75	78	50	35	25	70		75	5										
Tree																					
SP. =																					
nt																					
girth																					
Slope																					
Soil																					

COMMENTS: Open small white flowers  
Spinous  
Banana dots  
Pumpkins @ 12.3m  
+14%  
-10%B. B. 3.  
Small fungus  
954

8.15.10  
R. P. Johnson  
F. Johnson

+grey

3504

8/16 #390\*

Line no: 1  
 % cover 35.01  
 Bearing: .51 37.01 .51 37.01 .51 38.01 .51 39.01 .51 40.01 .51 41.01 .51 42.01 .51 43.01 .51

972

Stipa

Bougrea

Bouhira

Boucur

Boueri

Aris

Forb

Shrub

Opimb

Oppol

Crypt

Lichen

moss

algae

BUC

Rock >6cm

Stone <6cm

Pebble

Wood >7.5cm

deb. <7.5cm

litter <1cm

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS

3 pictures at 390 + 3

Dead tree

Bunny scale →

Reveal

Stone roof covered

972

950

Line no: 1

% cover

Bearing:

Date:

Recorders:

.5 | 32.0 |

.5 | 33.0 |

.5 | 34.0 |

.5

Stipa																						
Bougra	50	35	40																			
Bouhira																						
Boucure																						
Boueri																						
Aris																						
Arabis																						
Muhlb																						
Sporob																						
Forb																						
Vaid	6																					
Systia																						
Shrub																						
Opimb																						
Oppol																						
Crypt																						
Lichen																						
moss																						
algae																						
BUC																						
Rock >6cm	10	25	30																			
Stone <6cm	25	40	10																			
Pebble	5																					
Bare ground	25	10	10																			
Wood >7.5cm																						
deb. <7.5cm																						
litter <1cm	35	20	50	100																		
Tree																						
sp. =																						
ht																						
girth																						
Slope																						
Soil																						

COMMENTS

876

purple

990

3401

Line no: 4.0 Bearing: 5.0 | 5.0 | .5 | 6.0 | .5 | 7.0 | .5 | 8.0 | .5 | 9.0 | .5 | 10.0 | .5 | 11.0 | .5 | 12.0 | .5

Date: 8/16

Recorders:

Line no:	Bearing:	Date:	Recorders:
Stipa			
Bougrea	10		
Bouhair	5		
Boucure	10		
Boueri	45	15	5
Aris	45	15	5
Forb <i>Thapsia</i>	5		5
Shrub			
Opimb			
Oppol	15		
Crypt	10	25	15
Lichen	10	10	15
moss	10	10	15
algae	10	10	15
BUC	10	10	15
Rock >6cm	25	25	35
Stone <6cm	25	35	5
Pebble	5	10	40
<i>Bare ground</i>	5	10	40
Wood >7.5cm			
deb. <7.5cm			
litter <1cm	15	70	35
	15	35	25
	15	25	40
Tree			
sp. =			
ht			
girth			
Slope			
Soil			
COMMENTS			

10/6

Small  
Spine

Jun 1 E of find

4 stems ~ 9.0 - 9.4  
7.2 H  
5%

1008

390

Line no: % cover Bearing: Date: Recorder:

Line no:	% cover	Bearing:	Date:	Recorder:
Stipa	70			
Bougra	5	10		
Bouhhr				
Boucur				
Boueri	15			
Aris				
Maklye	5	75	5	5
Forb				
Mll Grand				
Canal			10	
Tag				10
Canal				5
shrub				25
Opimb				100
Opol				50
Crypt				
lichen				
moss				
algae				
BUC				
Rock >6cm				
Stone <6cm				
Pebble	5	7		3
Bara ground				
Wood >7.5cm			20	20
deb. <7.5cm	10		2	2
litter <1cm	50	90	95	80
Tree	can			
sp. =	100			
ht				
girth				
Slope				
Soil				
COMMENTS				

1027

Dead  
110

FraTens out

@8m f22 -24  
5' 30p

1044

3904

Line no: 31.0 .51 Bearing: N Date: 32.0 .51 37.0 .51 34.0 .51 35.0 .51 36.0 .51 32.0 .51 38.0 .51 39.0 .51  
 % cover

Recorders:

Stipa	95	60	55	75	40	85	60	50	60	66	10	50	10	25	1	35
Bougra					25											
Bouhnr																
Boucur	5	5		10										20	10	5
Boueri								15								60
Aris																
7/2/1/1/1											10	50				
Forb																35
Maqra									2							
Maqra									1							
6/1/1/1/1																
Shrub	Hymn								2	Handy						
Opimb																
Oppol																
Crypt		15	6	8	2	5	5	15						2	6	30
lichen		V	V	V	V	V	V	V						V	V	V
moss		V	V	V	V	V	V	V						V	V	25 Bands
algae																
BUC		V	V	V	V	V	V	V						V	V	V
Rock >6cm																20
Stone <6cm		5	5	5	5			15	10			5		3	2	2
Pebble	5	15	15	20	25			10	25	5				7	15	15
Bara ground	5	10	40	25	25	20	25	5	8					2	12.5	8
Wood >7.5cm						20				5	50					
deb. <7.5cm		3														
litter <1cm	85	50	40	40	50	50	50	55	55	90	55	75	20	100	100	95
Tree										100						
sp. =										can						
ht												100	75			
girth												0.5	0.5			
Slope																
Soil																
COMMENTS																

1053

1062

390

Line no: 40.0 | Bearing: 40.5 | 41.0 | .5 | 42.0 | Date: .5 | .0 | .5 | .0 | .5 | .0 | .5 | .0 | .5 | .0 | .5 | 48.0 | .5

Line no:	% cover	Bearing:	Date:	Recorders:
Stipa			5	15
Bougra				35
Bouhira				65
Boucur	2	15	35	60
Boueri	20	30	60	10
Aris	n			45
Forb		65		50
Opimb				12
Opopol				
Crypt	12.5	2	10	6
Lichen	✓	✓	✓	✓
moss	2 brown	+	+	✓
algae				✓
BUC	✓	✓	✓	✓
Rock >6cm	3	4	4	3
Stone <6cm	20	15	12.5	5
Pebble	35	60	20	30
Bara ground				15
Wood >7.5cm				10
deb. <7.5cm				35
litter <1cm	20	15	65	70
Tree				45
sp. = <i>Furc.</i>				40
ht	71			65
girth				70
Slope				45
Soil				40
COMMENTS				75

1072

Sampler  
4/5/19  
10801



390

8/16

Line no: 49.0 | Bearing: 50.0 | 50.5 | 51.0 | Date: 52.0 | 52.5 | 53.0 | 54.0 | 55.0 | 56.0 | 57.0 |

% cover: 35 | 35 | 85 | 10 | 30 | 40 | 70 | 8 | 70 | 65 | 25 | 35 | 25 | 90 | 70 | 25 | 45 | 50 | 35 |

Stipa 35 | 35 | Bougra 85 | Bouhir | Boucur 10 | Boueri 30 | Aris 40 | 70 | 8 | 70 | 65 | 25 | 35 | 25 | 90 | 70 | 25 | 45 | 50 | 35 |

Opimb | Oppol | Crypt 2 | 20 | 25 | 120 | 12.5 | 2 | 10 | 15 | 15 | 12.5 | 10 | 4 | 4 | 4 | 2 | - | - | 45 |

lichen | moss | algae | BUC | Rock >6cm 3 | Stone <6cm 6 | Pebble 3 | Bare ground 8 | Wood >7.5cm 10 | deb. <7.5cm | litter <1cm 60 | 40 | 35 | 30 | 60 | 4 | 65 | 70 | 75 | 65 | 65 | 50 | 90 | 85 | 95 | 100 | 85 | 35 |

Tree sp. = Jun | ht | girth | slope | Soil

COMMENTS

Forb | Gutsor | Eupra | Mx Lin | Mx me | Shrub | Opimb | Oppol | Crypt | lichen | moss | algae | BUC | Rock >6cm | Stone <6cm | Pebble | Bare ground | Wood >7.5cm | deb. <7.5cm | litter <1cm | Tree sp. = Jun | ht | girth | slope | Soil

10981

Jun  
10981

Jun  
10981

Jun  
10981

10981

390

Line no: % cover | 58.0 | 58.5 | 59.0 | .5 | 60.0 | .5 | 61.0 | .5 | 62.0 | .5 | 63.0 | .5 | 64.0 | .5 | 65.0 | 65.5 | 66.0 | .5

Bearing: | | | | | | | | | | | | | | | | | |

Date: | | | | | | | | | | | | | | | | | |

Recorders: | | | | | | | | | | | | | | | | | |

Slipa | | | | | | | | | | | | | | | | | |

Bougrea | | | | | | | | | | | | | | | | | |

Bouhair | | | | | | | | | | | | | | | | | |

Boucur | | | | | | | | | | | | | | | | | |

Boueri | | | | | | | | | | | | | | | | | |

Aris | | | | | | | | | | | | | | | | | |

Forb | | | | | | | | | | | | | | | | | |

Opimb | | | | | | | | | | | | | | | | | |

Oppol | | | | | | | | | | | | | | | | | |

Crypt | 40 | 3 | 4 | 2 | 3 | 5 | 3 | 7 | 12.5 | 8 | 12 | 5 | 3 | 10 | 6 | 10 | 3

Lichen | | | | | | | | | | | | | | | | | |

moss | | | | | | | | | | | | | | | | | |

algae | | | | | | | | | | | | | | | | | |

BUC | + | | | | | | | | | | | | | | | | |

Rock >6cm | | | | | | | | | | | | | | | | | |

Stone <6cm | | | | | | | | | | | | | | | | | |

Pebble | 5 | 45 | 50 | 70 | 40 | 70 | 40 | 40 | 45 | 55 | 40 | 35 | 40 | 45 | 20 | 30 | 30

Bare ground | 15 | 80 | 5 | 4 | 10 | 10 | 85 | 10 | 5 | 10 | 8 | 15 | 15 | 30 | 20 | 30 | 30

Wood >7.5cm | | | | | | | | | | | | | | | | | |

deb. <7.5cm | | | | | | | | | | | | | | | | | |

litter <1cm | 50 | 35 | 40 | 30 | 45 | 12 | 25 | 20 | 50 | 30 | 80 | 35 | 30 | 12.5 | 15 | 50 | 30 | 15

Tree | | | | | | | | | | | | | | | | | |

sp. = | | | | | | | | | | | | | | | | | |

nl | | | | | | | | | | | | | | | | | |

girth | | | | | | | | | | | | | | | | | |

Slope | | | | | | | | | | | | | | | | | |

Soil | | | | | | | | | | | | | | | | | |

COMMENTS

1099

↑ 1

Give slope  
11116

390

Line no: 67.0 Bearing: 68.0 Date: 70.0 Recorders: 72.0

% cover 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Stipa 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Bougrea 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Bouhhr 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Boucur 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Boueri 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Aris 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Forb 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Opimb 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Oppol 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Crypt 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Lichen 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

moss 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

algae 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

BUC 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Rock >6cm 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Stone <6cm 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Pebble 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Bare ground 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Wood >7.5cm 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

deb. <7.5cm 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

litter <1cm 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Tree 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

sp. = 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

nt 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

girth 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Slope 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

Soil 20 12.5 30 35 8 5 10 20 15 20 55 12.5 5 45 15 12.5 25 55 70

COMMENTS 1119

1119

1134

1134

3901

Line no:	% cover	Bearing:	Date:	Recorders:
Stipa	76.0	.5 77.0	.5 78.0	.5 79.0 .5 80.0 .5 81.0 .5 82.0 .5 83.0 .5 84.0 .5
Bougra	30	20		
Bouhira	10		12.5	30 12.5
Boucur			30	
Boueri	40	25 55	50 30	50 10
Aris				
Forb				
Grass		5		
Shrub				
Opimb				
Oppol				5 55
Crypt	1	1 2	1	1 5 6 2 2 2 1 2 5
Lichen	✓	✓	✓	✓
moss	✓	✓	✓	✓
algae	✓	✓	✓	✓
BUC	✓	✓	✓	✓
Rock >6cm				
Stone <6cm		5		
Pebble	10	95	15	15 10 5 10 1 5 20
Bare ground	25	50	20	30 25 35 10 20 25 35 40 10 45 10 25 70 90 30 60
Wood >7.5cm				
deb. <7.5cm		3		
litter <1cm	55	90	60	40 15 55 80 70 70 20 50 80 40 75 70 90 30 60
Tree				
sp. =				
ht				
girth				
Slope				
Soil				
COMMENTS				White Springs

1152

Line no: 85.0 Bearing: .51 86.0 9.51 87.0 Date: .51 88.0 .51 89.0 Recorders: .51 90.0 .51 91.0 .51 92.0 .51 93.0 .51

Stipa 35 40 60 80 65

Bougrea Bouhra Bouhir Boueri Aris

Forb *Fuchsia* 1 1

Leacti *N. glauca* 1 1

*Stellaria* 1 1

*Stellaria* 1 1

Shrub *Kunzia* <sup>28</sup> <sub>25-100</sub>

Opimb <sup>Speed</sup> <sub>f</sub>

Opopl

Crypt 15 2 5 10

Lichen V V V V

moss 2 + 2 V V

algae V V V V

BUC V V V V

Rock >6cm

Stone <6cm 2 2

Pebble 5 10 4 5 5

Pebble 5 8 5 10 5

Bara ground

Wood >7.5cm

deb. <7.5cm 80 75 90 80 80

litter <1cm 80 80 80 100 75

Tree 100

sp. = <sup>CAN</sup> 50 <sub>CAN</sub> →

ht <sup>10m</sup> +35 -15

girth <sup>Down slope of 50</sup> →

Slope <sup>Pinon 3' N</sup> →

Soil <sup>100% CAN</sup> →

Soil <sup>50% CAN</sup> →

Soil <sup>50% CAN</sup> →

Soil <sup>100% CAN</sup> →

Soil <sup>50% CAN</sup> →

Soil <sup>50% CAN</sup> →

Soil <sup>50% CAN</sup> →

Soil <sup>50% CAN</sup> →

Soil <sup>50% CAN</sup> →

Soil <sup>50% CAN</sup> →

153

Sum East of 55m of W.K. 5 girth

Limestone?

1190

390

490 +

Soil sample 4895 must cover

Line no: % cover	Bearing:	Date:	Recorders:	51	51	51	51	51	51	51	51	51	51	51
Stipa														
Bougrea														
Bouhbir														
Boucur														
Boueri														
Aris														
Lyci														
Forb														
shrub														
Opimb														
Oppol														
Crypt														
Lichen														
moss														
algae														
BUC														
Rock >6cm														
Stone <6cm														
Pebble														
Bare ground														
Wood >7.5cm														
dep. <7.5cm														
litter <1cm														
Tree														
sp. =														
ht														
girth														
Slope														
Soil														

Plots 14, 15 = 490 close up. 12, 13 View of 490

Jumped B of line (overground)

1188

4904

Line no: 1 Bearing: N Date: 8/17 Recorders: DPM JARL

	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	10.5	11.0	11.5	
Stipa					5	5	80	3	70			
Bougra												
Bouhhr												
Boucun								3				
Boueri	95	100	70	45	60	35	30	5			35	
Aris												
Mushy												
Forb												
Man eat												
Man eat												
Misc grass												
Shrub												
Opimb												
Opol												
Crypt	10	5	40	30	60	30	30	10			6	
Lichen	✓	✓	✓	✓	✓	✓	✓	✓			✓	
moss	✓	✓	✓	✓	✓	✓	✓	✓			0.5	
algae	✓	✓	✓	✓	✓	✓	✓	✓			✓	
BUC	✓	✓	✓	✓	✓	✓	✓	✓			✓	
Rock >6cm												
Stone <6cm			8			10	15	6	3	5	2	00
Pebble	6	15	4	30	20	35	12.5	6	8	5	4	20
Bare ground	4	0	4	20	6	25	20	10	7	5	6	15
Wood >7.5cm												
deb. <7.5cm												
litter <1cm	90	85	55	40	60	30	25	30	70	90	85	25
Tree												
sp. =												
ht												
girth												
Slope												
Soil												

COMMENTS

Roll markers

11/17/17

Dead trees 100 ft from wire

1206

490

Line no: 1      Bearing: N      Date: 8/17      Recorders: OPM JARL

	12.0	.5 13.0	.5 14.0	.5 15.0	.5 16.0	.5 17.0	.5 18.0	.5 19.0	.5 20.0	.5
Stipa	20	15		10	20					
Bougrea										
Bouhri										20 30
Boucur	20	25	10	45	5	10	15	60	5	35 30
Boueri						3	2.5	5		15 15
Aris										40 20
<del>Lucerna</del>										
<del>Stipa</del>										
Forb										
Euphorbia										
Cypripedium										
Trifolium										
Rosa										
Cirsium										
Sambucus										
Syringa										
Cistaceae										
Sturn										
Tub										
Shrub										
Opuntia										
Oppol		8	30							5 15
Crypt	6	8	8	12				1	1	12.5 5 15
Lichen		✓		✓				✓	✓	✓
moss								✓	✓	✓
algae	6	6	3	10				+	✓	✓
BUC		✓		✓				✓	✓	✓
Rock >6cm										
Stone <6cm	15	12.5	3			3	8	4		
Pebble	40	5	4	6	3	2	6	2		
Bara ground		12.5	1	4	4	8	4	5	4	
Wood >7.5cm										
deb. <7.5cm					2	4				
litter <1cm	80	70	95	90	95	100	85	100	100	100
Tree	100	100	100	75	75	100	6			
SP. =										
ht										
girth										
Slope										
Soil										
COMMENTS										

1207

High white  
5 pin  
100 pin

Large opening

Sun pin

Sun pin

Sun pin  
East

Sun pin

Sun pin

1224

Sun pin

Under



490+

Line no: 1

% cover

Bearing: N

Date: 8/1/7

Recorders:

DMN JMK

	21.0	.5	22.0	.5	23.0	.5	24.0	.5	25.0	.5	26.0	.5	27.0	.5	28.0	.5	29.0	.5	
Stipa																			
Bougrea	30						10					25					10		
Bouhhr																			
Boucur																			
Boueri	30	40	35	85	50	90	75	70	95	30	25	30	95	68	85	25	40	57	50
Aris																			
Forblee egg		3																	
Leaf SGA			25		10														
Leaf = Descod																			
Silver Maid																			
Yew Fern																			
Shrub																			
Opimb																			
Oppol	10		5																
Crypt	40	80	35	30	15	45	45	70	20	125	45	10	20	40	60	25	35	50	
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	3	10		1	1	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
algae	1			+	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moslar	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC																			
Rock >6cm																			
Stone <6cm																			
Pebble	5					8	4	3	5	3	3	8							
Bare ground	5	5	20	15	40	5	3	25	5	125	15	60	15	15	10	10	9	5	
Wood >7.5cm																			
deb. <7.5cm	1																		
Litter <1cm	1	15	25	50	30	40	40	50	70	50	45	10	70	30	35	50	30	50	
Tree																			
SP. =																			
ht																			
girth																			
Slope																			
Soil																			
COMMENTS	100%		white spots																

2-2-76-1033 white spots

1242

4907  
Line no: 1

Bearing: N

Date: 8/17

Recorders:

DPM JARL

	300	.5131.0	.5142.0	.5148.0	.5154.0	.5155.0	.5164.0	.5166.0	.5177.0	.5178.0	.5188.0	.5190.0					
Stipa																	
Bougra			5	40	40	5	15	40	90	50	30	20	10	10	20	90	80
Bouhir																	
Boucur	50	15								30	40	75	90	85	25	5	
Boueri	25	25	55	60	45	45	25	90	50								
Aris																	
Forb																	
Magra	175	5	125							5		30					
Magras		5	5						17.5								
Uridi									5								
Mill Grand																	
Shrub																	
Khushki											25	45	25	25			
Opimb																	
Oppol		10					15										
Crypt	30	20	45	15	15	30	20	30	10	10	8	8	4	1	1	3	8
Lichen		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss		✓															
algae		5		+	+	+	+	+	+	+	+	+	+	+	+	+	+
BUC		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																	
Stone <6cm																	
Pebble			?								?	3	3				
Bara ground	25	25	20	35	30	20	10	10	30	10	15	10	25	3	3	8	10
Wood >7.5cm										10							
deb. <7.5cm		3								3							
Litter <1cm	40	50	45	40	50	70	65	70	60	75	65	80	65	95	95	90	85
Tree																	
sp. =																	
ht																	
girth																	
Slope																	
Soil																	
COMMENTS																	

1242

Rhoad Ed  
line  
Barany  
Scat

1260

490+

Line no: 1

Bearing: N

Date: 8/17

Recorders: [signature]

[signature]

[signature]

	66.0	.5	67.0	.5	68.0	.5	69.0	.5	70.0	.5	71.0	.5	72.0	.5	73.0	.5	74.0	.5	
Stipa																			
Bougrea	55	65	75	40	65	45			25	50	15	30	50	25	45	20			
Bouhair														5	45				
Boucur																			
Boueri																			
Aris																			
Panic	20	5		45	10	45	100	100	75	50	75	35	35	10	15	10			
Forb 2 in gra												5							
Moss, Mv, sp.														5	2	2	1		
Shrub																			
Opimb							100	60	25										
Oppol				5															
Crypt	12.5	35	15	25	20				2	2	15	15	15	6	5	2	2	2	
Lichen	✓	✓	✓	✓	✓	+			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	+		✓	✓	✓	+			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
algae									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC/Rice	✓	✓	✓	✓	✓	++			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																			
Stone <6cm																			
Pebble																			
Bara ground	25	15	10	5	20	15			3	3	5	5	10	20	25	45	25	20	
Wood >7.5cm																			
deb. <7.5cm									15	5									
litter <1cm	70	75	80	75	70	85	100	100	95	95	80	80	75	75	65	50	75	80	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

Opimb  
W of pin

1278

490+

Line no: 1  
% cover 39.0  
Bearing: N  
Date: 8/17  
Recorders: DPM JARL

	39.0	.51400	.5141.0	.5142.0	.5143.0	.5144.0	.5145.0	.5146.0	.5147.0	.5
Stipa										
Bougrea	80	85	75	80	45					
Bouhri										
Boucur										
Boueri					50	100	90	80	85	5
Aris										
Muhly				10						
Forb										
in grass										
Grass										
Mammee										
Shrub										
Opimb										
Oppol										
Crypt	125	125	3	3	10	20	20	15	15	15
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss					+					
algae					+					
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Revia										
Rock >6cm										
Stone <6cm										
Pebble										
Bareround	20	30	25	20	5	5	25	25	15	5
Wood >7.5cm										
deb. <7.5cm										
litter <1cm	70	60	20	75	90	75	60	65	60	50
Tree										
SP. =										
ht										
girth										
Slope										
Soil										
COMMENTS										

11296

490

Line no: 1

Bearing: N

Date: 8/17

Recorders: [Signature]

Line no:	% cover	198.0	.5149.0	.5150.0	.5151.0	.5152.0	.5153.0	.5153.5	.5154.0	.5155.0	.5155.5	.5156.0	.5
Stipa													
Bougra	75	40	60	50	70	65	80	40	35	80	40	40	70
Bouhler													
Boucure													
Boueri													
Aris													
H. ...	5	50	10	5									5
Forb ...													
Opimb													75
Oppol													
Crypt	5	10	15	10	5	5	5	20	20	35	25	10	15
Lichen													8
moss													
algae													
BUC													
Riceia													
Rock >6cm													
Stone <6cm													
Pebble													
Bare ground	15	20	10	25	15	20	10	10	15	7	8	5	10
Wood >7.5cm													
deb. <7.5cm													
litter <1cm	80	70	25	65	80	75	85	70	75	65	40	80	80
Tree													
sp. =													
ht													
girth													
Slope													
Soil													
COMMENTS													

Handwritten notes and scribbles

1314

Fungi

Line no: 1  
490

Bearing: N

Date: 8/17

Recorders: OPPA JARL

	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
Stipa										
Bougrea	50	40	70	80	40	50	65	65	55	60
Bouhbir										
Boucur										
Boueri										
Aris										
Wildem			5	5						
Stk's					30					
Forb										
Common					5	10				
Chette										
Spk									3	
Shrub										
Opimb										
Oppol	5									
Crypt	5	1	8	12.5	5	8	15	15	5	10
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss										
algae	+									
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reicia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm										
Stone <6cm										
Pebble										
Bare ground	50	45	20	16	10		25	20	30	30
Wood >7.5cm										
deb. <7.5cm				2	5	5				
litter <1cm	40	55	80	80	90	90	20	70	70	60
Tree										
sp. =										
ht										
girth										
Slope										
Soil										

Ball  
Fungi  
3

Oppimb  
3 W of  
line

1332

4904

Line no: 1 Bearing: N Date: 8/17 Recorders: PPM

Line no:	% cover	Bearing:	Date:	Recorder:
Stipa	10	25	15	5
Bougrea	10	25	15	5
Bouhbir	45	7	75	65
Boucur	30	30	5	50
Boueri				15
Aris				
50%				
Herb				
Forb	3		3	2
Leuc	1		3	1
Shrub			5	10
Shrub				5
Opimb				2
Oppol				
Crypt	5		3	8
Lichen				3
moss				1
algae (Noctua)	4		4	1
BUC				
Rock >6cm				
Stone <6cm				
Pebble	3			2
Bare ground	10	35	10	5
Wood >7.5cm				3
deb. <7.5cm				3
litter <1cm	90	55	45	95
Tree				
sp. =				
ht				
girth				
Slope				
Soil				

Handwritten notes: 50% of fine silver 1 can = opp. in Yellow Camp

Handwritten notes: 50% of fine silver 1 can = opp. in Yellow Camp

Handwritten notes at bottom: None recorded, 50% of fine silver, 1 can = opp. in Yellow Camp

1358

49

Line no: )  
% cover

Bearing: W  
85.0

Date: 8/17

Recorders: [signature]

[signature]

.5

Stipa 94.0 50 70 20

Bougra 40 10

Bouhir 40 10 40

Boucur 10

Boueri 10

Aris

Forb Uncid 1  
Mixer 10

Shrub

Opimb  
Oppol

Crypt 7 5 3 5

Lichen 1 1 1 1

moss

algae

BUC

Rock >6cm

Stone <6cm

Pebble 3 2

Bare ground 75 15 25 25

Wood >7.5cm

deb. <7.5cm

litter <1cm 75 80 70 70

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS

1354



675+

Line no: 1  
 % cover 0.0  
 Bearing: N  
 Date: 9/30  
 Recordors: LMP/JARL

	0.0	.5	1.0	.5	2.0	.5	3.0	.5	4.0	.5	5.0	.5	6.0	.5	7.0	.5	8.0	.5	
Stipa	10	25	35	45	5	5	35	120					5	5					
Bougrea	15	5	20	25	25	10	30	20	20	30	40	40	50	20	5	5	15	20	
Bouhhr					+														
Boucure					15	35							5	5	5	10	50	30	60
Boueri	60	40	35	10	85	5	15	20	60	30	20	30	30	50	40	50			
Aris																			
Forb Splanber															1	2			
Maenamc	5								5					5					
Maama									5					2					
Maama																			
SILVER UNID																			
Shrub	5																		
Opimb																			
Oppol																			
Crypt		5	10	2	8	2	7	8	10	5	7	5	7	10	2	2	2	2	5
Lichen		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss					✓														
algae					✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																			
Stone <6cm					5	3	10	5	12	10	8	5	5	5	15	5	5	5	2
Pebble					5	3	10	5	12	10	8	5	5	5	15	5	5	5	2
Bare ground	5	10	5	20	20	30	10	15	5	20	15	10	10	10	15	25	40	20	
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	90	85	90	75	75	65	85	60	85	70	65	90	85	80	80	70	50	75	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS: 9/30/92  
 \* Data for Pat = Casa Verde (Eunha) Jan 1992

1372

675m +

Line no: 1      Bearing: N      Date: 9/30      Recorders: LMP/JARL

	9.01	.51/10.01	.51/11.01	.51/12.01	.51/13.01	.51/14.01	.51/15.01	.51/16.01	.51/17.01	.51								
Stipa		15																
Bougrea			15	30	5	30	5											
Bouhvir					20													
Boucur					3	75	40	15	10									
Boueri	35	40	75	80	60	20	20	15	50	50								
Aris																		
Lucuma																		
rubly avian				5			15											
Forb																		
210 950		5				1				5								
100 950																		
Shrub																		
Opimb																		
Oppol																		
Crypt	5	15	15	30	20	15	15	7	15	20	10	5	5					
lichen		✓	+	✓		✓	✓	✓	✓	✓	✓	✓	✓					
moss			+															
algae <i>Myrioph</i>	+	✓		+		✓	✓	✓	✓	+	✓	✓	✓					
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
Rock >6cm				4														
Stone <6cm																		
Pebble	3	5	10	10	30	20	15	10	5	5	10	20	20					
Same gravel	40	15	10	3	5	5	10	5	10	30	10	20	40	40	55			
Wood >7.5cm																		
deb. <7.5cm																		
litter <1cm	50	70	75	75	75	65	70	90	80	70	80	60	80	75	35	30	70	40
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

1390

675m+

Line no: 1 Bearing: N Date: 9/30 Recorders: LMP/ JMWL

Line no:	% cover	18.0	.5	19.0	.5	20.0	.5	21.0	.5	22.0	.5	23.0	.5	24.0	.5	25.0	.5	26.0	.5
Stipa	75	60	5	55	30	50	55	15				15	30	20	10	3	10	20	5
Bougrea	5				30	25	5												
Bouhair		30	25					75	80	70	80	25	30	75	50	70	70	50	50
Boucur	5		10	50		15	15												
Boueri																			
Aris																10			
Open rock																3			
Forb																			3
Des cas (low)																			2
Schubert																			5
Shrub																			
Opimb																15			
Oppol																			
Crypt	15	5	3	3	10	8						1		1					
lichen																			
moss																			
algae																			
BUC																			
Rock >6cm																			
Stone <6cm																			
Pebble	5																		
Bare ground	30	30	45	35	30	20	20	5	15	15	10	15	5	10	15	20	15	30	
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	100	75	55	65	65	60	75	95	85	85	90	85	95	80	85	80	75	70	
Tree																			
sp. =																			
ht																			
girth																			
Slope																0-1			
Soil																			
COMMENTS																			

1391  
70% pebbles

Open ground  
Forest

11408

675 m +

Line no: 1 Bearing: N Date: 9/30 Recorders: LMP / SARL  
 % cover 27.0 | .5 | 28.0 | .5 | 29.0 | .5 | 30.0 | .5 | 31.0 | .5 | 32.0 | .5 | 33.0 | .5 | 34.0 | .5 | 35.0 | .5

Line no:	Bearing:	Date:	Recorders:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Stipa																								
Bougra																								
Bouhtr																								
Boucur																								
Boueri	45	20	65	10	10	20																		
Aris																								
Forb																								
Suaeda	21				5	3																		
hdp. arca				10																				
UNIT 2																								
Shrub																								
Opimb																								
Oppol																								
Crypt		>1	5		5																			
lichen		+																						
moss																								
algae																								
BUC			✓		✓																			
Rock >6cm																								
Stone <6cm																								
Pebble																								
Bare ground	50	25	20	30	25	25	20	30	35	15	20	25	15	20										
Wood >7.5cm																								
deb. <7.5cm																								
litter <1cm	50	75	70	76	70	75	80	70	65	80	80	75	85	80										
Tree																								
sp. =																								
ht																								
girth																								
Slope																								
Soil																								

COMMENTS

1409

1426

Starts Slope

50 canopy/100 basal/15

5

10 30

80

75

675m+

Line no: 1 Bearing: N Date: 9/30 Recorders: LMP/JARL

Line no:	% cover	36.0	45.0	54.0	63.0	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0	153.0			
Slipa	55	50	60						10					10	70	55	50	50
Bougrea	5	40	15	60	25	3												
Bouhair																		
Boucur	40	5		15	50	60	90	45	95	80	25	60	80	75	5	20	5	5
Boueri										10								
Aris																		
ST-lvs													5					
Silvery UNID																		
FOUR UNID	21									3								
UNID 4																		
UNID 2																		
tree																		
Per Barkia																		
Shrub																		
lvs																		
Opimb																		
Oppol																		
Crypt	1														3			
lichen																		
moss																		
algae																		
BUC																		
Rock >6cm																		
Stone <6cm																		
Pebble																		
Bara ground	10	5	20	10	20	25	7	10	1	15	5			5	25	25	20	40
Wood >7.5cm																		
deb. <7.5cm																		
litter <1cm	90	95	60	85	80	75	93	50	90	85	95	100	95	95	70	70	80	60
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

1422  
145  
Lots  
Rock to 10m  
Covers  
1444

Spartan  
Spartan  
Spartan  
Spartan

675m+

Line no: | 115.01 | Bearing: N | Date: 9/30 | Recorders: LMP / JARL |

Stipa	75	80	75	55	30	60	5	5	65	60	40	60	55	15	50	40
Bougra																
Bouhir																
Boucur						15	30	75			5					
Boueri																
Aris																

Forb Guts																
Leu et		1	5	5												
Solanum																
Vicia																
Dry																
Shrub																

Opimb																
Oppol																

Crypt	5	10	1	2												
Lichen	✓	✓	✓	✓												
moss				✓												
algae				✓												
BUC	✓	✓	✓	✓												

Rock >6cm																
Stone <6cm																
Pebble																

Bare ground	20	10	20	10	5	20	60	20	25	40	30	50	85	35	40	30
Wood >7.5cm																
deb. <7.5cm																
litter <1cm	80	85	80	90	40	35	80	40	80	75	60	70	50	60	65	70

Tree																
sp. =																
ht																
girth																

Slope																
Soil																

COMMENTS

4041  
Part 1  
Poll 1

675m+

Line no: 1      Bearing: N      Date: 9/30      Recorders: LMP/JARL

% cover	54.0	.5	55.0	.5	56.0	.5	57.0	.5	58.0	.5	59.0	.5	60.0	.5	61.0	.5	62.0	.5	
Stipa																			
Bougra	40		60		45		70		60		35		60		45		40		40
Bouhlr																			
Boucun																			
Boueri																			
Aris d'v																			
Forb																			
<del>Aster</del>	20		15		40														
<del>Lychnis</del>																			
<del>Urtica</del>																			
<del>Plantain</del>																			
shrub																			
Opimb																			
Oppol																			
Crypt	1		10				5		1		1								
Lichen	✓		✓				✓		✓		✓								
moss																			
algae Mushr																			
BUC	✓		✓				✓		✓		✓								
Rock >6cm																			
Stone <6cm																			
Pebble																			
Barn ground	35		20		10		1.5		25		55		10		40		50		40
Wood >7.5cm																			
deb. <7.5cm							5		1										
litter <1cm	65		70		90		80		75		45		90		60		50		100
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

Optima Wood  
line

shrub field to grass  
Wood of line circling

675m +

Line no: 163.0 | Bearing: N | Date: 9/30 | Recorders: LMP/SARL

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Stipa																					
Bougrea	40																				
Bouhnr																					
Boucur																					
Boueri																					
Aris																					
Forb																					
Verruca																					
30/100																					
alber																					
VOID																					
Shrub																					
Oppol																					
Oppol																					
Crypt		5																			
Lichen		✓																			
moss																					
algae																					
BUC		✓																			
Rock >6cm																					
Stone <6cm																					
Pebble																					
Bare ground	40	35	25	35	25	25	30	25	25	30	50	35	15	25	45	15					
Wood >7.5cm																					
deb. <7.5cm																					
litter <1cm	60	60	75	65	65	75	70	65	75	70	50	65	80	70	55	85	60	65			
Tree																					
sp. =																					
ht																					
girth																					
Slope																					
Soil																					

COMMENTS

1498



675 mt

Line no: | Bearing: N | Date: 9/30 | Recorders: LMP/JARL

	72.0	.5   73.0	.5   74.0	.5   75.0	.5   75.5	.01	.5	.01	.5	.01	.5	.01	.5
Stipa													
Bougrea	65	65	65	70	75	70	55	70					
Bouhhr													
Boucur													
Boueri													
Aris JIV						5							
Forb													
shrub													
Opimb													
Oppol													
Crypt	>1					1	>1						
Lichen	✓												
moss													
algae Nostoc						✓	+						
BUC	✓												
Rock >6cm													
Stone <6cm													
Pebble													
Bare ground	35	25	30	15	15	35	35	25					
Wood >7.5cm													
deb. <7.5cm													
Litter <1cm	65	75	70	85	85	65	65	75					
Tree													
sp. =													
ht													
girth													
Slope													
Soil													

COMMENTS

The End  
Time for chocolate  
1506

150- 150-2000 320 Recording Date: 1/17/77 Recorder: 11/17

Line no: 150-2 Bearing: 320 Date: 1/17/77 Recorders: 11/17

	% cover	0.01	.51	1.01	.51	2.01	.51	3.01	.51	4.01	.51	5.01	.51	6.01	.51	7.01	.51	8.01	.51	8.5	
Stipa																					
Bougrea	45	70	45	85	65	15	75	60	80	45	25	25	65	65	80	25	70	80			
Bouhair																					
Boucur																					
Boueri																					
Aris																					
Kycurus																					
Forb Unid																					
Ech. pec	1																				
Hap graeh			20	8		20	3		3	15	5	5	15	15	8	10	4				
gut ser			10	35	20					35	10										
S. sp. aral				1																	
shrub																					
Yucca ang																					
Opimb		4																			
Oppol																					
Crypt	0	3	5	3	2	10	8	10	7	1			5	4	4	4	5	4	5		
Lichen		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓		
moss																					
algae Neotr																					
BUC		✓	✓	✓	✓	✓	✓	✓	BUC	✓			✓	✓	✓	✓	✓	✓	✓		
Riccia																					
Rock >6cm																					
Stone <6cm																					
Pebble	+																				
Bare ground	55	30	45	40	25	45	20	25	15	5	10	10	8	25	30	45	15	6			
Wood >7.5cm																					
deb. <7.5cm										3	60	1	3								
Litter <1cm	45	70	50	45	65	35	75	65	30	95	20	85	75	65	55	50	80	90			
Tree											Stem										
sp. =											seed										
ht																					
girth																					
Slope																					
Soil																					

180  
485+  
665

503

Yellow  
Cov. =  
5.1 (m)

486

150-

NW 320.

Line no: 2  
 % cover 9.01  
 Bearing: .5 | 10.0 | .5 | 11.0 | .5 | 12.0 | .5 | 13.0 | .5 | 14.0 | .5 | 15.0 | .5 | 16.0 | .5 | 17.0 | .5

Date: 4/17

Recorders: [Handwritten names]

Stipa																			
Bougra	75	60	85	65	50	65	30	60	70	75	50	80	20						
Bouhler																			
Boucur																			
Boueri																			
Arts				5	20	5													
Grasses																			
Forb																			
Thelma								8	12.5										
Wald																			
Zin																			
Shrub																			
Opimb																			
Oppol																			
Crypt	3	5	12.5	12.5	15	6	12.5	12.5	6	6	19	10	15	12.5	12.5	8	3	10	
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
moss	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rock >6cm																			
Stone <6cm																			
Pebble																			
Bare ground	15	20	6	15	10	15	15	15	30	25	20	15	10	3	15	30	35	15	
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	85	70	85	75	70	80	80	75	65	70	60	80	75	90	75	65	65	80	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

[Handwritten notes]

[Handwritten notes]

[Handwritten notes]

150-

130- Heading NW 320°

Line no: 2 Bearing: .5 19.0 .5 0.0 .5 1.0 .5 2.0 .5 3.0 .5 4.0 .5 5.0 .5 6.0 .5

Date: 8/18

Recorders: N D

Stipa																							
Bougrea	48	30	50	40	60	56	80	65	10	50	35	30	45	25	55	40						10	
Bouhtr																							
Boucur																							
Boueri																							
Aris		5	5																				
Spa Lon		15																					
lyc			10	10	15	15																	
Muhly																							
Forb Spk			1																				
Each pop																							
Hyrric																							
Reu pag																							
Melwari																							
Shrub																							
Opimb																							
Oppol																							
Crypt	15	30	5	10	15	20	10	20	5	20	25	10	20	15	15	5	20	40					
lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓	✓		+	✓	✓	+	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
algae	✓	✓		+	✓	✓	+	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rock >6cm																							
Stone <6cm																							
Pebble																							
Bare ground	35	10	15	20	15	20	15	20	30	15	25	30	30	50	30	50	45	5					
Wood >7.5cm																							
deb. <7.5cm																							
litter <1cm	55	60	70	70	70	60	70	60	65	65	60	60	55	35	55	45	35	55					
Tree																							
sp. =																							
ht																							
girth																							
Slope																							
Soil																							

COMMENTS

469

458

450

450

130-2

Line no: 2

Bearing: 320 N10

Date: 8/18

Recorders:

7.01 .51 8.01 .51 9.01 .51 10.01 .51 11.01 .51 12.01 .51 13.01 .51 14.01 .51 15.01 .51

Stipa 50 75 50 45 65 75 60 50 30 55 90 30 65 45 75 70 80 30

Bougrea 50 75 50 45 65 75 60 50 30 55 90 30 65 45 75 70 80 30

Bouhair

Boucun

Boueri

Aris

Forb Sab 1

Yuc 200 15can 50can 100can

Coamb 10 5

Soleleag 5 3 5 5 1

Znara 1

SHRUB 1

Herb G/ra

Opimb

Oppol

Crypt 30 20 10 8 12.5 15 30 5 5 90 25 60 15 40 40 20 15 25

Lichen

moss

algae

BUC/Riceia

Rock >6cm

Stone <6cm

Pebble

Bare ground 15 15 40 20 15 15 20 5 5 15 2 10 10 20 15 20 30 30

Wood >7.5cm

deb. <7.5cm

litter <1cm

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS

449

1 direction Jungl E. of line

Very Wet A.M. 930 432

1%

Line no: % cover      Bearing:      Date:      Recorders:

Line no:	% cover	Bearing:	Date:	Recorders:
Stipa	16.0	.5	17.0	.5
Bougrea	75	66	66	70
Bouhtr				
Boucur				
Boueri				
Aris				
Lyc			25	
Spa Lon				
Forb keep				1
Zin gra	3		6	3
Hadac			10	3
Fib for			16	5
Sob			10	40
Shrub				
Feia				
Opimb				
Oppol				
Crypt	10	15	15	15
lichen	✓	✓	✓	✓
moss				
algaen	✓	✓	✓	✓
BUC	✓	✓	✓	✓
Rveia	✓	✓	✓	✓
Rock >6cm				
Stone <6cm				
Pebble				
Bare ground	35	40	35	20
Wood >7.5cm				
deb. <7.5cm				
litter <1cm	55	45	50	50
Tree				
sp. =				
ht				
girth				
Slope				2%
Soil				

COMMENTS

229  
431

Bany  
Scal

Bull  
Fungi  
2004

Line no: 2

Bearing: NW

Date: 8/18

Recorders:

25.0 | .5 | 26.0 | .5 | 22.0 | .5 | 28.0 | .5 | 29.0 | .5 | 30.0 | .5 | 31.0 | .5 | 32.0 | .5 | 33.0 | .5

% cover

25.0 | 25 | 25 | 35 | 50 | 70 | 60 | 80 | 80 | 80 | 75 | 60 | 75 | 80 | 80 | 70 | 70 | 60 | 80

Stipa

Bougrea 25 | Bouhir 25 | Boucur 35 | Boueri 50 | Aris 70 | Mabbly 3 | Cyp 1

Forb

Gulbs 1 | Hagar 1 | Lami 2 | Mam 1 | Hagar 1 | Shrub 1

Opimb

Oppol 20 | Crypt 25 | Lichen 10 | moss 5 | algae 10 | BUC 10 | Rock >6cm 10 | Stone <6cm 10 | Pebble 10 | Bare ground 10

Wood >7.5cm

deb. <7.5cm 10 | Litter <1cm 10

Tree

sp. = | ht | girth | Slope | Soil

COMMENTS

1413 | 396

Line no: 2      Bearing: NW      Date: 8/18      Recorders: .5 | 39.0 | .5 | 40.0 | .5 | 41.0 | .5 | 42.0 | .5

Stipa	80	50	85	70	80	75	60	10	10	20	20	90	15	35	25	20	25	8	20	20	5	6	
Bougrea																							
Bouhhr																							
Boucur																							
Boueri																							
Aris																							
Cyp																							
Sifhyg																							
Forb Sphal																							
Fernaria																							
Echypoc																							
Lench.																							
Tae Neg																							
Shrub																							
Mammol																							
Opimb																							
Oppol																							
Crypt	10	20	15	20	10	10	5	25	6	10	8	5	10	8	5	10	8	5	5	5	15	20	
Lichen																							
moss																							
algae																							
BUC																							
Ricia (ff)																							
Rock >6cm																							
Stone <6cm																							
Pebble																							
Bare ground	10	15	15	30	15	20	20	90	15	35	25	20	25	8	20	25	8	20	20	5	6		
Wood >7.5cm												3 <sup>00</sup>											
deb. <7.5cm												4											
litter <1cm	80	70	70	60	75	70	75	65	70	60	65	75	70	70	75	85	70	75	80	70			
Tree																							
sp. =																							
ht																							
girth																							
Slope								20															
Soil																							

COMMENTS

395

burned

108  
1377  
485

378

Yucca  
any  
35cm  
70cm



Line no: 2 Bearing: NW 320 Date: 8/18 Recorders: DMJ/SAL

Line no	% cover	Bearing	Date	Recorder	% cover	Bearing	Date	Recorder	% cover	Bearing	Date	Recorder	% cover	Bearing	Date	Recorder
Stipa																
Bougrea																
Bouhira																
Boucur																
Boueri																
Aris																
Forb	90	80	45	60	70	75	80	65	60	75	85	80	75			
Under	1	1														
Ech. spec.		+														
Shrub		3														
Opimb																
Oppol																
Crypt	5	3														
Lichen	✓	✓														
moss	+															
algae	✓															
BUC	✓	✓	+	+	✓	✓	✓	✓	✓	+	+	✓	✓	+	+	✓
Rock >6cm																
Stone <6cm																
Pebble																
Bare ground	10	60	45	45	30	5	5	8	5	10	5	2	15	25	15	10
Wood >7.5cm																
deb. <7.5cm																
litter <1cm	90	35	55	50	65	85	90	90	90	75	80	90	30	70	70	90
Tree																
sp. =																
ht																
girth																
Slope																
Soil																
COMMENTS																

377

W. side

↙

W. side

↘

W. side

↙

W. side

369

FF =  
Rueda

130-

Line no:	% cover	Bearing:	Date:	Recorders:																
Stipa	52.0	.5	53.0	.5	51.0	.5	55.0	.5	51.0	.5	57.0	.5	58.0	.5	59.0	.5	50.5	.5	66.0	.5
Bougra																				
Bouhira																				
Boucur																				
Boueri	40																			
Aris																				
Forb																				
Forb																				
Shrub																				
Opimb																				
Oppol																				
Crypt	5																			
Lichen																				
algae																				
BUC																				
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bare ground	5																			
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	90	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Tree	75	100																		
sp. = Sun	10		18																	
ht	15	25	30																	
girth	15+	5	1	2.5																
Slope	30																			
Soil																				

COMMENTS

359

342

130-

Line no: % cover      Bearing:      Date:      Recorders:

	61.0	.5	62.0	.5	63.0	.5	64.0	.5	65.0	.5	66.0	.5	67.0	.5	68.0	.5	69.0	.5	70.0
Stipa																			
Bougrea	25		10		10														
Bouhir																			
Boucur																			
Boueri	70		75		20														
Aris																			
Hillman																			
Forb Fish Br																			
Zingra																			
Shrub																			
Opimb																			
Oppol																			
Crypt	10		8		8		5		3		6		2		8		5		2
lichen	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓
moss																			
algae Nosth																			
BUC	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓
Rock >6cm																			
Stone <6cm																			
Pebble																			
Bare ground	20		10		15		30		20		5		35		20		25		25
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	70		95		80		65		75		90		65		75		75		75
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

341

324

130-

NW

Line no: 2  
 % cover

Bearing: .5 | 71.01 | .5 | 72.0 | .5 | 73.0 | .5 | 74.0 | .5 | 75.0 | .5 | 76.0 | .5 | 77.0 | .5 | 78.0 | .5

Date: 8/18

Recorders:

Stipa	5			5																		
Bougrea	56	5	10	5				10	25	10	15	65	60	10	25	65	10					
Bouhir																						
Boucur																						
Boueri	5	55	60	50	15	20	15	25	75	30	30	20	20	80	30	10	12.5	5				
Aris																						
Spa Con	125									35												
Forb 50%	2							10	10													
Zin 95%																						
Und 100%		3	3cm																			
Yucca																						
Hyalax																						
SHRUB																						
Opimb																						
Oppol																						
Crypt	10	15	125	3	2	5	6	3	6	10	5	15	12.5	5	3	7	7					
lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fern	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																						
Stone <6cm																						
Pebble																						
Bare ground	25	40	15	45	65	70	75	40	30	15	15	15	15	30	15	15	10	20				
Wood >7.5cm																						
deb. <7.5cm																						
litter <1cm	65	50	75	50	30	25	70	60	65	75	80	70	75	65	80	85	85	80				
Tree																						
sp. =																						
ht																						
girth																						
Slope																						
Soil																						

COMMENTS

Bank / Seal 323

Legs Des. coolidge

306

130-

NM

8/18

Line no: 2      Bearing:      Date:      Recorders:

Line no	% cover	Bearing	Date	Recorder	% cover	Date	Recorder	% cover	Date	Recorder	% cover	Date	Recorder	% cover	Date	Recorder		
Stipa																		
Bougra																		
Bouhir																		
Boucure	55	95	75	35	75	70	40	90	85	90	75	100	5	80	80	95	60	
Boueri	75		10	50	5	10	5											
Aris																		
Cyp																		
Forb Sp																		
Gul Sal																		
Zin gra																		
Hal gra																		
Mixed Exig																		
Strub																		
Opimb																		
Oppol																		
Crypt	1	10	5	2	2	5	6	6	7	10	5	5	5	5	3	10	10	
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
moss																		
algae																		
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rock >6cm																		
Stone <6cm																		
Pebble																		
Bara ground	30	2	20	75	20	15	3	35	15	10	10	20	125	5	10	20	10	
Wood >7.5cm																		
deb. <7.5cm																		
litter <1cm	70	90	75	85	80	80	70	60	75	85	85	100	75	85	85	90	79	80
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

103  
Bos

crypt  
under  
litter

288

Line no: 130.0 Bearing: .5199.0 Date: .5190.0 .5191.0 .5192.0 .5193.0 .5194.0 .5195.0 .5196.0 .5

Recorders:

Stipa																				
Bougra		40																		
Bouhir																				
Boucur																				
Boueri	25	30	80	50	50															
Aris																				
Hillman	10		5	15																
Shrub																				
Opimb																				
Oppol																				
Crypt	3	5	5	5	10	5	7	3	10	2	5	5	5	6	15	10	20	5		
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bare ground	15	15	5	15	20	10	10	40	15	10	30	15	20	20	20	20	70	15	10	10
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	90	80	90	80	70	85	85	55	80	90	65	80	75	75	70	70	70	85		
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

COMMENTS

287

← Burnt  
Scot →

BS

BS

BS

(270)

-130

-30+

Photo 22, 23, 24  
8:10 AM P.M. NW  
Recorders: [unclear]

Photo 21+22 @ 30m P.M. NW end

Line no: 2  
% cover 97.0  
Bearing: NW  
Date: 8/18  
Photo 22, 23, 24  
8:10 AM P.M. NW  
Recorders: [unclear]

Line no:	% cover	Bearing:	Date:	Photo	Time	Recorder	Photo	Time	Recorder						
Stipa	60	75	70	10	20	50	15	75	60	40	25	70	80	50	10
Bougra															
Bouhir															
Boucun															
Boueri															
Aris	10														
Sporab	5														
Spo can															
Forb															
Evergreen															
Herb area															
Eck nec.															
2nd area															
Shrub															
Opimb															
Opol															
Crypt	25	12.5	10	12.5	5										
Lichen	✓	✓	✓	✓	✓										
moss	+	+		✓	✓										
algae				✓	✓										
BUC	✓	✓	✓	✓	✓										
Rock >6cm															
Stone <6cm															
Pebble	1														
Bare ground	5	10	10	10	15										
Wood >7.5cm															
deb. <7.5cm															
litter <1cm	70	80	80	70	80	95	100	100	100	100	100	100	100	100	100
Tree															
sp. =															
ht															
girth															
Slope															
Soil															

COMMENTS

269

252





Line no: 2  
 % cover 11.0  
 Bearing: 320 W 20  
 Date: 8/18  
 Recorders: DM/SML  
 .5 | .01 | .51 | .01 | .51 | .01 | .51 | .01 | .51

Stipa																					
Bougra																					
Bouhhr																					
Boucure	10	30	50	75	30	25															
Boueri						50															
Aris																					
Forb																					
20 gms	5																				
Will		10																			
Shrub																					
Opimb																					
Oppol																					
Crypt																					
Lichen																					
moss																					
algae																					
BUC																					
Rock >6cm																					
Stone <6cm																					
Pebble																					
Bare ground																					
Wood >7.5cm																					
deb. <7.5cm																					
litter <1cm																					
Tree																					
sp. =																					
ht																					
girth																					
Slope																					
Soil																					

815

White spin

203

175  
 202+  
 377

100- 10. Rem - 02 100 (M3)

Line no: 2 Bearing: Date: 9/28 Recorders: LMP/JARL

Line no:	% cover	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	
Stipa																				30
Bougrea		30	25	20	20															
Bouhira																				
Boucure						20	40	20	30	5										10
Boueri		25	45	40	25	40	45	45	70	10	40	5	40	15	25	30	60	15		5
Aris																				
Forb																				
leaves																				
rubor hira																				
rh. rh.																				
Shrub																				
Opimb																				
Oppol										12.5										
Crypt				5	5															
Lichen				✓	✓															
moss																				
algae																				
BUC				✓	✓															
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bare ground		25	20	25	35	25	15	30	45	65	40	60	25	55	40	30	5			
Wood >7.5cm																				5
deb. <7.5cm			2																	
litter <1cm		75	80	70	65	75	85	70	55	35	50	40	75	45	60	70	95	100		100
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

COMMENTS

802

bracken  
6/10/11

bracken  
spot  
5/11

100  
100  
185

100m

Line no: 2  
 Bearing: 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 | 16.5 | 17.0 | 17.5

Date: 9/28

Recorders: LMP/JARL

Stipa	5																				
	Bougrea							20	55	40	20										
	Bouhnr																				
	Boucur	60	5			15				5											3
	Boueri																				5
	Aris																				10
Forb																					1
Opimb																					
Oppol																					
Crypt								5		2											
lichen								✓													
moss																					
algae								Master ✓		Master ✓											
BUC								✓		✓											
Rock >6cm																					2
Stone <6cm																					15
Pebble																					5
Bare ground								5		25	25	50	25								30
Wood >7.5cm																					
deb. <7.5cm	5										5	10	10	5							20
litter <1cm	100	100	100	100	100	90	75	75	50	75	100	100	100	100	100	100	100	100	100	95	55
Tree																					
sp. =																					
ht																					
girth																					
Slope																					
Soil																					

COMMENTS

10 D ft canopy  
 100  
 100  
 100  
 100  
 100  
 100  
 100  
 100  
 100  
 100  
 100  
 75  
 100 ft canopy  
 75  
 100 ft canopy  
 100

79

Line no: 2  
 % cover  
 100m -  
 Bearing: NW  
 Date: 9/28  
 Recorders: LMP/JARL  
 75-  
 0.5 1.0 1.5

Line no:	% cover	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	0.5	1.0	1.5
Stipa											15	10							
Bougrea	5	15	15						15	10									
Bouhrr																			
Boucur		10	35	5							5	25	75	50	75	25	30	40	10
Boueri	55	10			5	50	5	25	35										25
Aris																			
Forb											3								
Oxal. haphus	5		1																
Mel. leu.									25										
Opimb																			
Oppol																			
Crypt		6	2	3			.5	1		1				1	1	10	1		
Lichen		✓	✓	✓			✓			✓				✓	✓		✓		
moss																			
algae																			
BUC		✓	✓	✓			✓	✓		✓				✓	✓	Water	✓		
Rock >6cm																			
Stone <6cm		2		3	1	2				2	2	2	6	5					
Pebble		5		7	3	5		1	2	5	10	15	10	20					5
Barren ground	30	35	50	70	35	90	50	40	90	65	60	10	40	25	20	15	15	45	
Wood >7.5cm																			
deb. <7.5cm																			
Litter <1cm	70	60	50	20	60	5	50	60	3	30	20	70	35	75	80	75	85	50	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

166

151

Water

152

148

75m

Bearing:

Date: 9/29

Recorders: LMP / JML

Line no:	2	Bearing:	2.0   2.5   3.0   3.5   4.0   4.5   5.0   5.5   6.0   6.5   7.0   7.5   8.0   8.5   9.0   9.5   10.0   10.5															
% cover	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5

Stipa				50	50		15	35				10						5
Bougra	40	12		5	10							15						
Bouhri																		
Boucur																		
Bouerl	45	25	125		5	5	5	5	10	20	5	35	5	20	10	50	10	5
Arlis																		
Spac (cm)																		

Forb																		
Opimb						15	25											
Oppol																		

Shrub																		
-------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Crypt																		
Lichen																		
moss																		
algae																		
BUC																		

Rock >6cm																		
Stone <6cm																		
Pebble																		
Bare ground	10	20	15	10	5	5												

Wood >7.5cm																		
deb. <7.5cm																		
litter <1cm	90	80	85	80	90	95	100	80	65	60	75	65	70	40	15	70	30	70

Tree																		
sp. =																		
ht																		
girth																		

Slope																		
Soil																		

COMMENTS

[148] *Bearing 10m*

*6+8m*

*20ft, width of road*

*Bearing 131*

75 WVI

Line no: 2  
 % cover 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 17.0 17.5 18.0 18.5 19.0 19.5

Bearing:

Date: 9/24

Recorders: LMP/SARL

Stipa																				
Bougrea																				
Bouhira																				
Boucur	15																			
Boueri	70	90	50	80	80	70	35	90	500	1	16	50	30	25	85	65	50	55		
Aris																				

Forb LMD 3																				
mt ground																				
stump wood																				
road																				
Via																				
Shrub																				

Optimb																				
Oppol																				
Crypt	10	5	10	5	2	5														
Lichen	✓	✓	✓	✓	✓	✓														
moss	✓		✓																	
algae																				
BUC	✓	✓	✓	✓	✓	✓														

Rock >6cm																				
Stone <6cm	3	2	4	10	40	10	5													
Pebble	10	20	25	10	20	10	10													
Bare ground	15	5	15	5	5	5														
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	75	90	60	70	75	60	65	95	100	100	100	90	60	40	85	70	60	60		

Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

130  
 50%  
 100%  
 75%  
 130  
 100%  
 75%  
 100%  
 130

75m

Line no: 2  
 % cover | 20.0 | 20.5 | 21.0 | 21.5 | 22.0 | 22.5 | 23.0 | 23.5 | 24.0 | 24.5 | 25.0 | 25.5 | 26.0 | 26.5 | 27.0 | 27.5 | 28.0 | 28.5

Bearing: | | | | | | | | | | | | | | | | | | | | |

Date: 9/29  
 Recorders: CMM/STALL

Stipa		8																		
Bougrea																				
Bouhair																				
Boucur																				
Boueri	15	10	90	85	50	20														
Aris																				
Spor Gym																				
Pteropods																				
St + Ylva																				
Forb																				
Frax	10	1																		
SILVIA UNID																				
MAW WSA																				
Alnus populum																				
Shrub																				
Opimb																				
Opol	1	25																		
Crypt	2		10	5	1															
lichen	✓		✓	✓	✓															
moss																				
algae																				
BUC	✓		✓	✓	✓															
Rock >6cm																				
Stone <6cm	6	5																		
Pebble	40	10	15	15	35	15	4	10	15	40	5	5	5	1	5	2				
Bare ground	25	15	8	5	15	20														
Wood >7.5cm																				
deb. <7.5cm		15			5	10			10	10										
litter <1cm	30	70	80	90	50	50			85	75	75	75	40	75	30	80	80	90	100	85
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

COMMENTS | | | | | | | | | | | | | | | | | | | | | | |

112

dead  
 Sapling  
 18 FT  
 1000  
 Sapling  
 91.5

75m -

Line no: 2  
 % cover

Bearing: 29.0 | 29.5 | 30.0 | 30.5 | 31.0 | 31.5 | 32.0 | 32.5 | 33.0 | 33.5 | 34.0 | 34.5 | 35.0 | 35.5 | 36.0 | 36.5 | 37.0 | 37.5

Date: 9/29

Recorders: LMP/JMRL

Stipa 35 40

Bougara 40 80 50 20 60 90 50 35 60 95 85 45 50 50 90

Bouhla 75 45

Boucur

Boueri

Aris 10 40 5 10 20 10 5 25

2nd layer 5 75 25

3rd layer 10 10

Spur can 35

Forb 5

Violet 10 15 10 10 35

Old Andropogon 10

Zin grass 10

Oxalis sp. 10

Shrub 10

Opimb 50 50 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100

Oppol 15 25

Crypt 15

lichen

moss

algae

BUC 15

Rock >6cm 10

Stone <6cm 2

Pebble 2

Bare ground 10 10 1 25

Wood >7.5cm 20 5 25

deb. <7.5cm 5 5 25 5 5

litter <1cm 80 80 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS 94

77  
 Face on  
 W. of line



75m

Bearing: 152

Date: 9/29

Recorders: LMP/JARL

Line no: 2  
 % cover 38.0 | 38.5 | 39.0 | 39.5 | 40.0 | 40.5 | 41.0 | 41.5 | 42.0 | 42.5 | 43.0 | 43.5 | 44.0 | 44.5 | 45.0 | 45.5 | 46.0 | 46.5

Stipa 50 | 25 | 10

Bougra 50 | 25 | 10

Bouhri 50 | 25 | 10

Boucur 50 | 25 | 10

Boueri 50 | 25 | 10

Aris 50 | 25 | 10

Pandanus 50 | 25 | 10

Sporeb 50 | 25 | 10

Forb 50 | 25 | 10

Mlf ground 50 | 25 | 10

Shrub 50 | 25 | 10

Bureau 50 | 25 | 10

Opimb 50 | 25 | 10

Oppol 50 | 25 | 10

Crypt 50 | 25 | 10

Lichen 50 | 25 | 10

moss 50 | 25 | 10

algae 50 | 25 | 10

BUC 50 | 25 | 10

Rock >6cm 50 | 25 | 10

Stone <6cm 50 | 25 | 10

Pebble 50 | 25 | 10

Baragravel 50 | 25 | 10

Wood >7.5cm 50 | 25 | 10

deb. <7.5cm 50 | 25 | 10

Litter <1cm 50 | 25 | 10

Tree 50 | 25 | 10

sp. = 50 | 25 | 10

nt 50 | 25 | 10

girth 50 | 25 | 10

Slope 50 | 25 | 10

Soil 50 | 25 | 10

COMMENTS

76 Same as before

75-

Note covers 50 pages

Line no: 2      Bearing:      Date:      Recorders:

% cover      49.0      .5 | 48.0      .5 | 49.0 | 49.5 | 50.0      .5 | 51.0      .5 | 52.0      .5 | 53.0      .5 | 54.0      .5 | 55.0      .5

Stipa      15      25      50      4

Bougrea      15      25      50      4

Bouhira      15      25      50      4

Boucur      15      25      50      4

Boueri      15      25      50      4

Aris      15      25      50      4

Sporobolus      15      25      50      4

Eragrostis      15      25      50      4

Forb      15      25      50      4

UND seedling      15      25      50      4

Mix grass      15      25      50      4

Shrub      15      25      50      4

Opimb      15      25      50      4

Oppol      15      25      50      4

Crypt      15      25      50      4

Lichen      15      25      50      4

moss      15      25      50      4

algae      15      25      50      4

BUC      15      25      50      4

Rock >6cm      15      25      50      4

Stone <6cm      15      25      50      4

Pebble      15      25      50      4

Baraground      15      25      50      4

Wood >7.5cm      15      25      50      4

deb. <7.5cm      15      25      50      4

litter <1cm      15      25      50      4

Tree fun.      15      25      50      4

sp. =      15      25      50      4

ht      15      25      50      4

girth      15      25      50      4

Slope      15      25      50      4

Soil      15      25      50      4

COMMENTS      15      25      50      4

58

501

201

201

41

75-

A PUCH ...

Line no: 2 56.0 | .5 | 57.0 | .5 | 58.0 | .5 | 59.0 | .5 | 60.0 | .5 | 61.0 | .5 | 62.0 | .5 | 63.0 | .5 | 64.0 | .5

Bearing:

Date:

Recorders:

Stipa																				
Bougrea																				
Bouhli																				
Boucur																				
Boueri																				
Aris																				
Eucalyptus																				
Acacia																				
Spo can.																				
Forb	10	8	5	10	8	5														
Zin gra.																				
Mast	1	1																		
Hop gra.																				
Shrub																				
Opimb																				
Oppol																				
Crypt	2																			
Lichen	✓																			
moss																				
algae																				
BUC	✓																			
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bare ground	3																			
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	99	95	60	90	100															
Tree can	50	100	100	100	100															
sp. = Sun																				
ht	15																			
girth	3.5cm	15.5cm																		
Slope																				
Soil																				

COMMENTS

140

burnt

burnt

No sign of open

23

Rocks  
in  
burnt  
area

75-

66.2 - 67.2 = 0.6 km

Line no: 2  
% cover 65.0 | Bearing: 66.0 | Date: 9/88 | Recorders: 69.5 | 70.0 | 70.5 | 71.0 | 71.5 | 72.0 | 72.5 | 73.0 | 73.5

Stipa																				
Bougra		5		5		5														
Bouhr																				
Boucur	10	65	30			15	5	65	10											
Boueri	65					10	60	35	70											
Aris																				
Eractif																				
Levif																				
Forb								8												
Maamet																				
Wood																				
Opimb			30	3																
Oppol										12										
Crypt	7	3				5	5	5											1	15
Lichen	✓	✓				✓			✓										✓	20
Moss	✓	✓																	✓	50
algae						+	✓		+										✓	25
BUC	✓	✓																		5
Rock >6cm	10	20	60	85	50															
Stone <6cm	10		10	10	2	3														
Pebble																				
Bare ground	1	5	3	5	10	5	10	5	1	2										
Wood >7.5cm								30												
deb. <7.5cm																				
litter <1cm	80	70	40	1	40	95	90	90	95											
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

COMMENTS  
[22] not a bush just a small tree

added 2/10

75m-

Line no: 2  
% cover 74.0 | 14.5 | Bearing: 75.0 | 75.5 | Date: 9/29  
Recorders: LMP / JML

Stipa

Bougrea 10

Bouhnr

Boucur 65 | 90 | 20

Boueri 20 | 90 | 15 | 30

Aris 5

Forb

Shrub

Opimb

Oppol

Crypt 10 | 5 | 5 | 8

lichen ✓ | ✓ | ✓ | ✓

moss

algae

BVC ✓ | ✓ | ✓ | ✓

Rock >6cm

Stone <6cm 4 | 5

Pebble 1 | 30 | 35

Bare ground 10 | 2 | 35 | 35

Wood >7.5cm

deb. <7.5cm

litter <1cm 80 | 95 | 30 | 30

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS

Bunny  
Shrub

202



1504

Line no: 2      Bearing:      Date: 8/18      Recorders:

	9.0	.5	10.0	.5	11.0	.5	12.0	.5	13.0	.5	14.0	.5	15.0	.5	16.0	.5	17.0	.5	
Stipa																			
Bougrea	50	65	70	50	75	45	70	70	60	30	80	65	80	65	75	75	75	80	
Bouhbir																			
Boucur																			
Boueri				25	20	16	25												
Aris						5													
LYP								20											
Hillans																			
Spore con																			
Forb																			
Haggria	3	25	1	10		10	10												
50A						19													
Shrub																			
			Yuc avg 10	Yucag 2 Ceno 1	HYM 10														
Optimb																			
Oppol						25 can	100 can	10 can											
Crypt	20	125	10	5	10	15	10	15	5	15	10	5	10	15	25	10	10	10	
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
moss				+	+	+		+		+	+	+	+	+	+	+	+	+	
algae						4	4	4		4	4	4	4	4	4	4	4	4	
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rock >6cm																			
Stone <6cm																			
Pebble																			
Barren ground	10	15	25	20	15	20	10	18	35	20	10	30	10	15	10	10	20	15	
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	75	70	65	75	75	75	85	75	55	70	80	65	80	70	65	80	75	75	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

539

Small Yucangs

Bunny Scof

539

1507

Line no: 180 Bearing: .5 | 19.0 | .5 | 20.0 | .5 | 21.0 | .5 | 22.0 | .5 | 23.0 | .5 | 24.0 | .5 | 25.0 | .5 | 26.0 | .5

Date: 8/19

Recorders:

Stipa	70	70	80	80	80	80	75	35	35	75	75	60	80	60	70	90	70	20
Bougra																		
Bouhtr	5	5																
Boucur																		
Boueri																		
Aris																		
Silvis								5										
Munk								40	20							5	5	5
Lyc																		
Forb																		
Hespera		12.5								10								
Spk										2	2							
Eschorb																		
Shrub																		
Opimb																		
Oppol																		
Crypt	15	15	20	25	20	15	15	10	12.5	4	8	6	20	15	15	15	25	5
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	f	✓	✓	✓	f	✓	✓	✓	✓
moss																		
algae																		
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	+	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																		
Stone <6cm																		
Pebble																		
Bare ground	15	15	15	10	10	15	10	35	35	15	20	45	20	45	25	25	10	65
Wood >7.5cm																		
deb. <7.5cm																		
litter <1cm	70	80	75	70	75	70	80	55	60	85	80	55	60	30	65	65	70	30
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

540

Mad  
grill  
gumca

571 55



1507

Line no: 2  
 % cover 27.0 | Bearing: 5128.0 | Date: 8/19  
 5129.0 | 5130.0 | 5131.0 | 5132.0 | 5133.0 | 5134.0 | 5135.0 | 5135.0 | 5135.0

Recorders:

Stipa																							
Bougrea	5	95	30	55	70	30	80	80	80	75	80	70	65	85	65	95	80	80	60				
Bouhnr																							
Boucur																							
Boueri																							
Aris																							
spal con st. & s.	30		70	35	95	20																	
Forb Sdh					15																		
Kar Pa			15																				
CP Mm			50	50		10	5					5											
Hogprra																							
Shrub																							
Opimb																							
Opopl			100	50	50																		
Crypt	25	15			10	5	10	12.5	15	30	20	15	10	12.5	20	20	15	5					
Lichen	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
moss		+																					
algae																							
BUC Riccia	✓	✓			+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Rock >6cm																							
Stone <6cm																							
Pebble																							
Bare ground	40	5	5	6	5	15	5	10	12.5	10	10	5	8	20	15	5	15	20					
Wood >7.5cm	2		5	5		3																	
deb. <7.5cm	35	90	96	90	85	75	75	80	70	65	75	80	85	70	75	80	70	75					
litter <1cm																							
Tree																							
sp. =																							
ht																							
girth																							
Slope																							
Soil																							

50  
5

Ball  
frags 1

Unid = Galg  
e N1

575  
107

150+

Line no: 2  
% cover 36.0 Bearing: .5 37.0 .5 38.0 .5 39.0 .5 40.0 .5 41.0 .5 42.0 .5 43.0 .5 44.0 .5

Date: 8/19

Recorders:

Stipa	60	60	80	85	70	80	75	70	55	80	70	50	70	70	75	1	
Bougrea																	
Bouhtr																	
Boucur																	
Boueri																	
Aris																	
Lycurus																	
Hilgus																	
Dim. mukul																	
Forb																	
Speral																	
Fel pec																	
Hop gra																	
Cut gra																	
Strud																	

Opimb																	
Oppol																	
Crypt	5	15	8	8	3	12.5	5	12.5	4	15	6	15	12.5	15	25	∅	
lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
moss				+		+		+	✓	+	✓		+	+	✓		
algae																	
BUC Riccia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rock >6cm																	
Stone <6cm																	
Pebble																	
sand	25	35	10	12.5	10	10	20	15	40	10	5	15	5	10	5	5	∅
Wood >7.5cm																	
deb. <7.5cm																	
litter <1cm	70	55	75	85	85	85	80	20	60	85	90	65	90	80	80	95	1
Tree																	
sp. =																	
ht																	
girth																	
Slope																	
Soil																	
COMMENTS																	

FE S

Dim mukul = Mukhor.

S 93

150+

Line no: 2  
 % cover 45.0 | 45.5 | 46.0 | .5 | 47.0 | .5 | 48.0 | .5 | 49.0 | .5 | 50.0 | .5 | 51.0 | .5 | 52.0 | .5 | 53.0 | .5

Bearing: .5 | 48.0 | .5 | 49.0 | .5 | 50.0 | .5 | 51.0 | .5 | 52.0 | .5 | 53.0 | .5

Date: .5 | 48.0 | .5 | 49.0 | .5 | 50.0 | .5 | 51.0 | .5 | 52.0 | .5 | 53.0 | .5

Recorders: .5 | 50.0 | .5 | 51.0 | .5 | 52.0 | .5 | 53.0 | .5

Stipa																					
Bougrea																					
Bouhir																					
Boucur																					
Boueri																					
Aris																					
Opuntia	10	5																			
5.20 cov																					
Dish Mully																					
Forb																					
Kangaroo	30																				
conium	5																				
Mammari																					
Rellys																					
Shrub																					
Opimb																					
Oppol																					
Crypt																					
lichen																					
moss																					
algae																					
BUC																					
Riccia																					
Rock >6cm																					
Stone <6cm																					
Pebble																					
Wood >7.5cm																					
deb. <7.5cm	40																				
litter <1cm	100	100	100	100	100	95	95	95	70	80	80	80	65	80	85	90	90	80	70	80	80
Tree	100cm	100cm																			
sp. =	Sun	→																			
ht																					
girth																					
Slope																					
Soil																					

COMMENTS

594

6118



1504

Line no: 2      Bearing: 72.0 72.5 73.0 .5 74.0 .5 75.0 .5 76.0 .5 77.0 .5 78.0 .5 79.0 .5 80.0 .5

Date: 8/18

Recorders:

Stipa																							
Bougra	10	15	55	70	75	75	55	75	65	75	\$0	65	85	75	60	75	65	70					
Bouhrr																							
Boucur																							
Bouerl																							
Aris																							
Spo con	10	25													15								
H1	50	35													5								
Cyp.															3								
Forb sp			+																				
Febrac																							
Shrub																							
Opimb																							
Oppol																							
Crypt	15	10	15	9	15	12.5	15	15	15	12.5	15	20	25	20	10	15	25	26					
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	+			+			+																
algae																							
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																							
Stone <6cm																							
Pebble																							
Sand	25	80	15	25	15	25	30	15	15	30	40	30	5	25	12.5	9.5	15	10					
Wood >7.5cm																							
deb. <7.5cm																							
litter <1cm	70	75	75	70	75	75	60	75	70	65	45	45	60	65	60	75	65	75					
Tree																							
sp. =																							
ht																							
girth																							
Slope																							
Soil																							

Upr 1  
Upr 2  
Upr 3  
Upr 15-212  
Clov 3  
Ker 1  
Upr 10

COMMENTS

W-E slope road - 2°  
10° north-south

[665]

463

150+

Line no: 2  
% cover 81.0 Bearing: .5 | 82.0 | .5 | 83.0 | .5 | 84.0 | .5 | 85.0 | .5 | 86.0 | .5 | 87.0 | .5 | 88.0 | .5 | 89.0 | .5 |

Date: 8/19

Recorders:

683

Stipa	30	55	70	35	80	55	35	30	35	12.5	25	10	80	60	75	60	80
Bougra	20	20	25														
Bouhir																	
Boucur																	
Boueri																	
Aris																	
Almahl	25	2	30	35	12.5	25	80	30	25	25	35	10	15	10		20	
Hi																	
Salon																	
Forb Salela																	
Halala																	
Echpec																	
Shrub																	
Opimb																	
Oppol																	
Crypt	20	15	15	10	10	15	8	30	15	15	15	5	10	15	30	25	25
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC Riccia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																	
Stone <6cm																	
Pebble																	
Wood >7.5cm	20	5	15	15	7	5	15	3	15	15	17.5	13	20	30	10	10	20
deb. <7.5cm																	
litter <1cm	65	90	70	80	85	90	75	80	70	80	75	95	75	55	75	65	60
Tree																	
sp. =																	
ht																	
girth																	
Slope																	
Soil																	

COMMENTS

699

Jun. SW. DF/no

Bull Bumpy Fungus Scar

Leaf ends Echpec tentacles - control

683

150+

1564

Line no: 2  
 % cover 96.0  
 Bearing: .5 | 91.0 | .5 | 92.0 | .5 | 93.0 | .5 | 94.0 | .5 | 95.0 | .5 | 96.0 | .5 | 97.0 | .5 | 98.0 | .5

Date: 8/19

Recorders:

Stipa																				
Bougrea	75	60	70	60	60	60	75	75	65	85	80	80	75	60	80	75	75	70		
Bouhira																				
Boucur																				
Boueri																				
Aris																				
Sp. low																				
Forb		3	10																	
Ficus																				
Gutser																				
Shrub																				
Euph																				
Euph																				
Euph																				
Opimb																				
Oppol																				
Crypt	25	25	20	20	35	25	20	15	15	10	15	15	30	20	15	15	30	15		
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
moss																				
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BUC	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Riccia																				
Rock >6cm																				
Stone <6cm																				
Pebble																				
Sax	16	15	20	5	15	20	20	5	20	10	3	10	15	20	10	10	2	15		
Sax																				
Wood >7.5cm																				
deb. <7.5cm		1																		
litter <1cm	80	60	70	75	55	60	70	80	75	80	80	75	65	70	75	80	80	75		
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

COMMENTS

684

+27  
 -15 at 10m

Jan 8m W  
 of 1m

701

699

150+

Line no: 2  
 Bearing: SE  
 Date: 8/19  
 Recorder: .5167.0 .5168.0 .5169.0 .5170.0 .5171.0 .5

Line no: 2	63.0	.5164.0	.5165.0	.5166.0	.5167.0	.5168.0	.5169.0	.5170.0	.5171.0	.5
Stipa										
Bougrea	45	10	40	55	75	55	10	45	20	30
Bouhnr										
Boucur										
Boueri										
Aris										
Alpaca	40	85	40	10	1	10	45	10	40	15
Dryshrub										
500 cover										
Forb										
Hap gra		7						2		
Shrub					3					
Eth. pre							2			
Chag								1		
Shrub										
Opimb										
Oppol										
Crypt	15	25	15	8	15	12.5	5	5	2	6
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	+	+	+	+	+	+	+	+	+	+
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Riveria	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm										
Stone <6cm										
Pebble										
Sand	12	3	10	30	10	15	30	40	45	55
band										
Wood >7.5cm										
deb. <7.5cm	3									
litter <1cm	30	85	80	65	70	65	60	60	55	45
Tree										
sp. =										
ht										
girth										
Slope										
Soil										

COMMENTS

88  
 Sun Mt  
 415  
 497  
 at 10m

over

hmt

647

7



2504

Line no: 2  
Bearing: 8/19  
Date: 8/19  
Recorders: 13.0 14.0 15.0 16.0 .5

Line no	% cover	8.0	.51	9.0	.51	10.0	.51	11.0	.51	12.0	.51	13.0	.51	14.0	.51	15.0	.51	16.0	.5	
Stipa																				
Bougrea	55																			
Bouhbir		70		70		80		80		80		65		60		70		80		80
Boucur																				
Boueri																				
Aris																				
Forb																				
The neg																				
Z in spec																				
Ech spec																				
Shrub																				
Opimb																				
Oppol																				
Crypt	12.5		5	10	15	10	8	8	8	5	2	8	3	3	10	2	8	15	12	8
lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss																				
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																				
Stone <6cm																				
Pebble																				
Sand	30	15	12.5	15	15	20	35	10	10	10	10	10	12.5	25	40	15	10	15	40	20
Wood >7.5cm																				
deb. <7.5cm	✓																			
litter <1cm	60	80	70	75	75	75	60	80	90	85	85	70	55	80	70	80	50	75		
Tree																				
sp. =																				
ht																				
girth																				
Slope	60°																			
Soil																				

COMMENTS

100%

open shrub

Rain  
Encs

737

Line no: 2  
 % cover 17.0 Bearing: 51 18.0 Date: 8/19 51 20.0 Recorders: 51 22.0  
 .5 19.0 .5 21.0 .5 23.0 .5 24.0 .5 25.0 .5

Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Stipa																					
Bougra	80	75	90	75	60	90	75	65	75	65	95	95	80	75	70	80	40	100			
Bouhir	70																				
Boucur																					
Boueri																					
Aris																					
Sp. con																					
Forb Shaved	2	1										1	2								
K.g. (Des.coc)																					
Shrub																					
Opimb																					
Oppol																					
Crypt	5	10	3	10	15	8	5	4	5	5	8	12.5	15	20	15	12.5	12	5			
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
moss	+		+		+	+	+	+	+	+											
algae	+																				
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Rock >6cm																					
Stone <6cm																					
Pebble																					
Wood >7.5cm	10	25	10	15	20	10	25	30	25	40	10	12.5	15	10	15	12.5	30	5			
deb. <7.5cm																					
litter <1cm	85	75	90	75	65	90	75	70	75	60	90	75	75	75	70	80	65	95			
Tree																					
sp. =																					
ht																					
girth																					
Slope																					
Soil																					

COMMENTS

BSc8

Black lichen

755



250

Line no: 35.0 Bearing: .5 | 36.0 | .5 | 39.0 | .5 | 38.0 | .5 | 39.0 | .5 | 40.0 | .5 | 41.0 | .5 | 42.0 | .5 | 43.0 | .5

Recorders:

Stipa 60 65 80 75 90 75 90 95 95 100 160 100 100 95 95 90 85

Bougrea 60 Bouhra Boucur Boueri Aris Dim Mully 90 15 5 15 15

Forb 3 4 6 3 2 1 2 3 1 2 3 1 2 3 1 2 3 4

Opimb Oppol Crypt lichen moss algae BUC 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4

Rock >6cm Stone <6cm Pebble 8 12.5 20 8 5 20 5 10 10 5 10 5 10 5 10 5 10 5 10

Wood >7.5cm deb. <7.5cm litter <1cm 75 80 70 90 80 75 85 85 90 85 100 100 95 85 85 80 95 90

Tree SP.= ht girth Slope Soil

COMMENTS

476

Opimb 90/100

791

79

Line no: 2507 Bearing: 44.0 Date: 5/17/01 Recorder: .51 49.0 .51 50.0 .51 51.0 .51 52.0 .51

Stipa	75	50	75	85	70	65	75	80	35	20	85	75	85	75	80	75	75	70
Bougrea																		
Bouhhr																		
Boucur																		
Boueri																		
Aris																		
500 con																		
51p hys																		
Forb																		
Mamm	2																	
Gut shr	45																	
Wardle	2																	
Shrub	2																	
Opimb																		
Oppol																		
Crypt	12.5	20	15	12.5	18	20	6	15	20	12.5	15	6	12.5	8	10	6	12.5	12
lichen	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss		+					+											
algae	1																	
BUC / Riccia	✓	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																		
Stone <6cm																		
Pebble																		
Bare ground	15	10	10	35	10	10	30	12.5	15	Ø	10	25	15	30	30	20	20	20
Wood >7.5cm										30								
deb. <7.5cm											80	70	70	65	65	70	70	70
litter <1cm	75	75	75	60	75	75	70	75	70	80	80	70	70	65	65	70	70	70
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

792

Wood 5m  
Sp 15m

809



314+

Line no: 2    Bearing: SE    Date: 8/20    Recorders:    .5 | 42.0 | .5 | 43.0 | .5 | 44.0 | .5 | 45.0 | .5 | 46.0 | .5 | 47.0 | .5 | 48.0 | .5 | 49.0 | .5 | 50.0 | .5

Stipa																							
Bougrea	30	55	50	40	40	10																	
Bouhira																							
Boucur																							
Boueri																							
Aris			10	15	5																		
SPG Can																							
Hillman																							
LYC																							
Forb spk	1																						
Sal elca		1																					
Hapgrd																							
Shrub																							
Opimb																							
Oppol						10																	
Crypt	15	10	12	12	25	5	10	5															
Lichen	+	+	+	2	✓	✓	+	✓															
moss	+	+	+	3	✓	✓	+	✓															
algae/Metc	+	+	+	✓	✓	✓	✓	✓															
BUC	✓	✓	✓	✓	✓	✓	✓	✓															
Rocks																							
Rock >6cm																							
Stone <6cm																							
Pebble																							
Bar ground	55	30	30	35	30	65	50	35	25	5													
Wood >7.5cm																							
deb. <7.5cm																							
litter <1cm	40	60	55	50	50	35	40	65	75	85	100	100	100	100	75	40	75	55	45				
Tree																							
sp. =																							
ht																							
girth																							
Slope																							
Soil																							

325  
575  
515  
525  
545

7 - Junil 6' E. of line  
Jun of Jun  
Ht. @ 10m +27 -13 2% /  
3145 10/23

828

100cm  
150cm  
50cm  
2%  
2%

314+

Line no: 51.0 | Bearing: .5 | 52.0 | .5 | .0 | .5 | 54.0 | .5 | .0 | .5 | 56.0 | .5 | 57.0 | .5 | 58.0 | .5 | 59.0 | .5

Recorders:

stipa	50	45	60	30	15	65	65	45	45	35	40	35	15	15	25	20	30	15
Bougrea																		
Bouhir																		
Boucur																		
Boueri																		
Aris																		
Spa cen	5	1		15	40	5							80		4	5	10	2
Kyomus																		
CYP																		
Forb																		
sp. oval								4	2									
NBST								3	2									
ech. jac										12.5	4				6	4		
Har gra																		
SHrub																		
Opimb																		
Oppol																		
Crypt	1	1	4	2	5	10	8	12	2	5	10	20	8	12	12.5	10	3	5
lichen	✓	+	✓	+	✓	✓	✓	✓	✓	✓	+	+	+	+	✓	✓	✓	✓
moss																		
algae																		
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rickets																		
Rock >6cm																		
Stone <6cm																		
Pebble	+																	
Bare ground	45	60	40	55	85	15	20	25	45	60	40	40	60	40	30	35	40	45
Wood >7.5cm																25	2	
deb. <7.5cm																		
litter <1cm	50	40	55	45	70	75	75	65	55	45	55	50	40	50	60	45	45	45
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil	soil 25																	

COMMENTS

746

10m x 10m

263 10



314+

Line no:	60	Bearing:	52	Date:	63.0	Recorders:	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	
% cover	0.0	.5	61.0	.5	62.0	.5	63.0	.5	64.0	.5	65.0	.5	66.0	.5	67.0	.5	68.0	.5	
Stipa																			
Bougra	10	35	15	50	50	60	55	75	45	70	40	10	65	45	25	5	35	35	
Bouhtr																			
Boucur																			
Boueri																			
Aris	45	10	5			60	5				30	75		16		5			
Ayurnus	3	5																	
Forb																			
gut sor		8	65	6										10	5	5	50	10	3
hem ai																			
Sphard			2																
shrub																			
Opimb																			
Oppol																			
Crypt	80	10	5	12	12	12	15	15	8	4	125	15	10	15	30	18	15	12	
Lichen	✓	✓	+	✓	+	✓	+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
moss	+	+																	
algae				+	+														
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rhodia																			
Rock >6cm																			
Stone <6cm								2											
Pebble																			
Bare ground	30	25	5	30	40	25	20	15	30	20	70	15	70	30	15	40	35	75	
Wood >7.5cm																			
deb. <7.5cm	5	5	12.5																
litter <1cm	55	50	70	55	55	65	65	70	60	75	75	80	75	65	65	55	55	55	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

COMMENTS

Plot patrol box

881  
16

3144 + 2

Line no: 2  
 Bearing: 69.0 .5 70.0 .5 71.0 .5 72.0 .5 73.0 .5 74.0 .5 75.0 .5 76.0 .5 77.0 .5  
 Date: 8/19  
 Recorders:

Stipa	25	15	15	25	20	30	30	10	60	60	65	70	65	50	50	40	65	60
Bougra																		
Bouhir																		
Boucur																		
Boueri																		
Aris	55	45																
Sagittaria	10		40	12.5	10				5	10	7			Long 5 Long 5	10	7.5		
Forb	2	10	1						1							2		1
Galium			2															
Galium			10															
Lever			3															
Plantago			1															
Sium																		
Opim																		
Opol																		
Crypt	10	5	15	7.5	10	20	10	10	40	30	30	30	8	10	20	10	10	10
Lichen	✓	✓	✓	✓	✓	✓	+	+	✓	✓	✓	✓	✓	✓	+	✓	+	✓
moss																		
algae																		
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Riveria																		
Rock >6cm																		
Stone <6cm																		
Pebble																		
Sand	10	20	25	20	15	15	35	10	10	15	5	15	20	15	10	30	40	25
Wood >7.5cm																		
deb. <7.5cm		2																
litter <1cm	80	70	5	75	75	65	60	80	50	65	70	70	75	75	75	60	55	70
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

899

899

899

3144

Line no: 2

Bearing: 78.0 .51 79.01 .5 90.0 .51 81.0 .51 92.0 .51 83.01 .51 84.0 .51 95.0 .51 86.01 .51

Date: 8/19  
Recorders: .51 .51 .51 .51 .51 .51 .51 .51 .51 .51 .51 .51

Line no	% cover	Bearing	Date	Recorder	% cover	Bearing	Date	Recorder	% cover	Bearing	Date	Recorder	% cover	Bearing	Date	Recorder	% cover	Bearing	Date	Recorder		
Stipa	30	35	10	40																		
Bougrea																						
Bouhhr																						
Boucur																						
Boueri																						
Aris	50	wr 1	wr 50	wr 5	wr 25																	
CYP																						
SPO																						
NB																						
Forb																						
Soleley	5																					
Harpard	6	15	10																			
2nd year		10																				
Guthrie																						
SHRUB																						
Opimb																						
Oppol																						
Crypt	20	12.5	12	3																		
Lichen																						
moss																						
algae																						
BUC																						
Ricketts																						
Rock >6cm																						
Stone <6cm																						
Pebble																						
Band	15	12.5	5	8	1																	
Wood >7.5cm																						
deb. <7.5cm																						
litter <1cm	65	75	80	90	99																	
Tree																						
sp. =																						
ht																						
girth																						
Slope																						
Soil																						

Dead opimb  
wr of 1x10

Boo

914  
5/4

3/17

Line no: 2  
% cover 87.0 | Bearing: .5 | 88.0 | .5 | 89.0 | .5 | 90.0 | .5 | 91.0 | .5 | 92.0 | .5 | 93.0 | .5 | 94.0 | .5 | 95.0 | .5

Stipa  
Bougara 40  
Bouhri  
Boucur  
Boueri

Aris  
Cyp

Hill  
Socan 1  
Forb  
Soh

Hage  
Fekere

Shrub  
Eras

Vat  
Hm 5

Erng  
Mm 2

Wm 1  
Wm 3  
Wm 5

Wm 5  
Long 10  
Wm 2

Wm 5  
Wm 3  
Wm 5

Wm 5  
Wm 3  
Wm 5

Wm 5  
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Wm 5

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Wm 3  
Wm 5

912

Opp 1/2  
W. for slope 1/2

1985

33

Line no: 96.0 Bearing: .5197.0 Date: .5199.0 4)4+ Recorders: .511.0 .512.0 .513.0 .514.0 .5

Stipa 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Bougrea 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Bouhbir 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Boucur 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Boueri 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Aris 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Forb 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Shrub 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Opimb 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Opol 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Crypt 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

lichen 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

moss 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

algae 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

BUC 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Rock >6cm 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Stone <6cm 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Pebble 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Barren ground 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Wood >7.5cm 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

deb. <7.5cm 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

litter <1cm 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

Tree 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

sp. = 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

ht 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

girth 45 15 45 45 40 50 35 55 25 60 55 55 55 45 30 35 45 10

White SPAN  
Jun W. of line, canopy

4° W side

936

953

(25)

b414

Line no: 2  
% cover 5.0  
Bearing: 6.0  
Date: 8/20  
Recorders: 10.0

Stipa 30 30 10 10 50 50 55 50 65 70 75 15 10 35 50 40 5

Bougrea 30 30 10 10 50 50 55 50 65 70 75 15 10 35 50 40 5

Bouhair 30 30 10 10 50 50 55 50 65 70 75 15 10 35 50 40 5

Boucure 30 30 10 10 50 50 55 50 65 70 75 15 10 35 50 40 5

Boueri 30 30 10 10 50 50 55 50 65 70 75 15 10 35 50 40 5

Aris 30 30 10 10 50 50 55 50 65 70 75 15 10 35 50 40 5

Spa Spa 10 10 5 6 16 10 5 10 5 15 10 30 15 15

H.I. 10 10 5 6 16 10 5 10 5 15 10 30 15 15

Forb 50 1 3 4 2 1 6 4 8 10 10 5 5 20 15 6

Opimb 100 cent 100 750cm

Oppol 350cm

Crypt 1 4 2 1 6 4 8 10 10 5 5 20 15 6

Lichen 1 4 2 1 6 4 8 10 10 5 5 20 15 6

moss 1 4 2 1 6 4 8 10 10 5 5 20 15 6

algae 1 4 2 1 6 4 8 10 10 5 5 20 15 6

BUC Riccia 1 4 2 1 6 4 8 10 10 5 5 20 15 6

Rock >6cm 1 4 2 1 6 4 8 10 10 5 5 20 15 6

Stone <6cm 1 4 2 1 6 4 8 10 10 5 5 20 15 6

Pebble 1 4 2 1 6 4 8 10 10 5 5 20 15 6

Bara ground 50 60 85 55 40 35 35 25 30 20 20 15 20 10 10 20 60

Wood >7.5cm 50 40 15 45 55 60 65 70 70 75 75 70 100 80 85 80 75 30

Tree 50 40 15 45 55 60 65 70 70 75 75 70 100 80 85 80 75 30

sp. =  
ht  
girth  
Slope  
Soil  
COMMENTS  
954  
Buna  
Scat.  
971  
69

4147

Line no: 2  
% cover

Bearing:

Date: 8/26

Recorders:

	14.0	.5   15.0	.5	16.0	.5	17.0	.5	18.0	.5	19.0	.5	20.0	.5	21.0	.5	22.0	.5
Stipa																	
Bougrea	20	10	30	5	5	10	5	50	35	25						15	25
Boubir																	
Boucur	25	60	35	55	40	65	35	10	20	5	25	50	40	10	10	15	10
Boueri																	
Aris																	
Spoo Con	5							15									
Hilpa																	
Forp																	
Eck per																	
Flig																	
Gh/Cal																	
Shrub																	
Opimb																	
Oppol																	
Crypt		3	3	5	3	10	10	10	6	3						2	2
lichen	v	v	v	v	v	v	v	v	v	v						v	v
moss																	
algae																	
BUC	v	v	v	v	v	v	v	v	v	v						v	v
Rock >6cm																	
Stone <6cm																	
Pebble																	
Bara ground	35	30	30	95	25	5	15	5	2	12.5					1	5	15
Wood >7.5cm																	
deb. <7.5cm																	
litter <1cm	65	70	70	70	75	85	75	85	95	85	106	100	100	100	100	99	95
Tree																	
sp. =																	
ht																	
girth																	
Slope																	
Soil								15 sand									
COMMENTS																	

969

Ampire score

Swi W. of Ind

Bun. scut

989

44

Line no: 23.01 Bearing: 51 24.0 Date: 51 26.0 Recorders: 51 28.0

% cover 5 51 25.0 51 27.0 51 29.0 51 30.0 51 31.0 .5

Stipa 10 10 1 2 15

Bougra 5 5 100 100 100 100 99 95 95 50 60 65 75 30

Bouhtr 60 7 17.5

Boucur 10 10 1 2 15

Boueri 10 10 1 2 15

Aris 10 10 1 2 15

Hill Dam 10 10 1 2 15

Stipa 10 10 1 2 15

Opimb 100 50 100 100 100 100 99 95 95 50 60 65 75 30

Oppol 100 50 100 100 100 100 99 95 95 50 60 65 75 30

Crypt 3

Lichen 2

moss 2

algae 1

BUC 1

Rock >6cm 1

Stone <6cm 1

Pebble 1

Bareround 5

Wood >7.5cm 2 5 3 5 25 30 2 2 10 40 35 30 20 65

deb. <7.5cm 100 100 90 100 100 100 99 95 95 50 60 65 75 30

litter <1cm 100 100 90 100 100 100 99 95 95 50 60 65 75 30

Tree 50 100 100 100 100 100 99 95 95 50 60 65 75 30

sp. = 25 100 100 100 100 100 99 95 95 50 60 65 75 30

ht 25 100 100 100 100 100 99 95 95 50 60 65 75 30

girth 25 100 100 100 100 100 99 95 95 50 60 65 75 30

Slope 3% 60% 100%

Soil Branch

COMMENTS 990 12m +24 -14 26 2mid P107

1007

50



414

Line no: 2  
 Bearing: .5133.0  
 Date: 8/10  
 Recorders: .5137.0  
 .5134.0  
 .5139.0  
 .5140.0  
 .5

Stipa	3				20															
Bougrea	65	35	35	75	50	50	70	70	25	40	55	60	60	30	45	60	40	56		
Bouhair																				
Boucure																				
Boueri		25																		
Aris																				
Spa Can					10				10	30	30	15	10	10	5					
Forb												2	2							
Mel. Decid	10	3																		
Zin gra																				
Shrub																				
Opimb																				
Oppol																				
Crypt	3	8	5	10	10	5	1	10	10	5	0.5	1	5	10	25	5			10	
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC Riccia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bare ground	25	25	40	25	16	40	95	15	35	35	40	25	20	40	35	25	50	30		
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	70	75	60	70	8	60	75	80	60	60	60	75	75	55	60	75	50	60		
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil	sand 10	sand 15			sand 5	sand 10						sand 5	sand 5						sand 15	

COMMENTS

1002

1025

2504

Line no: 99.01 Bearing: 180° Date: 8/19 Recorders: .51 3.0 .51 4.0 .51 5.0 .51 6.0 .51 7.0 .51

Stipa																				
Bougrea	65	50	55	40	70	55	60	45	40	75	80	75	65	75	65	75	65	55		
Bouhtr																				
Boucur																				
Boueri																				
Aris																				
Leuc		25	70	90	15	40	15	35	40	15										
Forb sp	2						5													
Grass																				
Leuc																				
Shrub																				
Opimb																				
Oppol																				
Crypt	15	35	15	8	12	15	5	35	15	25	15	20	15	10	10	8	15	5		
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
moss																				
algae																				
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Riceia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Rock >6cm																				
Stone <6cm																				
Pebble																				
Sand	30	15	15	20	10	5	45	70	5	10	15	20	20	20	25	30	15	20	35	
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	65	50	70	75	75	80	55	60	75	75	80	70	70	70	70	65	75	75	60	
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

COMMENTS: Bamm / Scat 702, Bamm / Scat, Sp2 = Sp. baraloes, 7191

2504

8/19

314 +

8/20

Photo 2 @ 314 L. 2 looking N.E.

Line no:	% cover	Bearing:	Date:	Recorders:
Stipa	62.0	.5	63.0	63.5
Bougara	80	95	80	∅
Bouhir				∅
Boucur				∅
Boueri				
Aris				
Spol Lan				
Forb				
Zingra	2			
Spharel	3			
elone	+			
Yucca ag			100	100
Shrub				
Opimb				
Oppol				
Crypt	6	3	1	
lichen	✓	✓	✓	
moss				
algae				
BUC	✓	✓	✓	
Rocks	+	+	+	
Rock >6cm				
Stone <6cm				
Pebble				
Sand	20	3	15	-
Wood >7.5cm				
deb. <7.5cm				8
litter <1cm	75	90	80	
Tree				
sp. =				
ht				
girth				
Slope				
Soil				

COMMENTS

10401  
Mustam  
85

250  
64  
314  
350  
314  
86

10861

3144

Line no: 2  
% cover 6.0 | Bearing: .5 | 7.0 | .5 | 9.0 | Date: 8/26 | .5 | 9.0 | .5 | 10.0 | .5 | 11.0 | .5 | 12.0 | .5 | 13.0 | .5 | 14.0 | .5

Recorders:

Stipa 75 | 70 | 40 | 60 | 25 | 65 | 60 | 75 | 40 | 15 | 5 | 26 | 10 | 5 | 30 | 80 | 70 | 75

Bougrea 75 | 70 | 40 | 60 | 25 | 65 | 60 | 75 | 40 | 15 | 5 | 26 | 10 | 5 | 30 | 80 | 70 | 75

Bouhtr | | | | | | | | | | | | | | | | | | | |

Boucur | | | | | | | | | | | | | | | | | | | |

Boueri | | | | | | | | | | | | | | | | | | | |

Aris | | | | | | | | | | | | | | | | | | | |

Halpna | | | | | | | | | | | | | | | | | | | |

sp. con | | | | | | | | | | | | | | | | | | | |

Hildern | | | | | | | | | | | | | | | | | | | |

Forb Sak | | | | | | | | | | | | | | | | | | | |

Undact | | | | | | | | | | | | | | | | | | | |

Ertsal | | | | | | | | | | | | | | | | | | | |

Erig | | | | | | | | | | | | | | | | | | | |

Shrub | | | | | | | | | | | | | | | | | | | |

Opimb | | | | | | | | | | | | | | | | | | | |

Oppol | | | | | | | | | | | | | | | | | | | |

Crypt | 20 | 8 | 5 | 12 | 10 | 12.5 | 15 | 10 | 8 | 5 | 5 | 3 | 5 | 5 | 10

Lichen | 17.5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓

moss | | | | | | | | | | | | | | | | | | | |

algae No.4 | | | | | | | | | | | | | | | | | | | |

BUC | 12 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓

Rock >6cm | | | | | | | | | | | | | | | | | | | |

Stone <6cm | | | | | | | | | | | | | | | | | | | |

Pebble | | | | | | | | | | | | | | | | | | | |

Wood >7.5cm | 15 | 15 | 10 | 15 | 15 | 25 | 25 | 35 | 25 | 20 | 1 | 6 | 10 | 25 | 15

deb. <7.5cm | | | | | | | | | | | | | | | | | | | |

litter <1cm | 70 | 80 | 20 | 50 | 75 | 70 | 65 | 60 | 65 | 75 | 95 | 100 | 100 | 100 | 90 | 80 | 70 | 70

Tree | | | | | | | | | | | | | | | | | | | |

sp. = | | | | | | | | | | | | | | | | | | | |

ht | | | | | | | | | | | | | | | | | | | |

girth | | | | | | | | | | | | | | | | | | | |

Slope | | | | | | | | | | | | | | | | | | | |

Soil | | | | | | | | | | | | | | | | | | | |

COMMENTS | Ball | | | | | | | | | | | | | | | | | | | |

1062 | | | | | | | | | | | | | | | | | | | |

Ball | | | | | | | | | | | | | | | | | | | |

Furnas | | | | | | | | | | | | | | | | | | | |

SILAS? | | | | | | | | | | | | | | | | | | | |

3 PE. OF LINE | | | | | | | | | | | | | | | | | | | |

1069A | | | | | | | | | | | | | | | | | | | |

668 | | | | | | | | | | | | | | | | | | | |

3

3144

Photo 3+4 4814WSE 4:00  
516 45" 00 4"

Line no: 2  
 % cover 15.00  
 Bearing: .5 | 16.00 | .5 | 17.00 | .5 | 18.00 | .5 | 19.00 | .5 | 20.00 | .5 | 21.00 | .5 | 22.00 | .5 | 23.00 | .5

Date: 8/20

Recorders:

Stipa																				
Bougra	60	70	75	70	70	60	65	75	75	65	45	60	45	75	75	70	75	70		
Bouhir																				
Boucur																				
Boueri																				
Aris																				

Forb																				
Grass	75	40																		
Herb	10																			
Fck Pec																				
Shrub																				

Opimb																				
Oppol																				

Crypt	5	15	2	15	3	25	15	15	5	5	5	5	5	10	15	12.5	12.5	5		
Lichen		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
moss				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
algae																				
BUC Ricia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Rock >6cm																				
Stone <6cm																				
Pebble																				
Stand	16	15	5	5	10	25	25	15	25	30	35	30	40	7	5	10	10	30		

Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	75	85	90	75	80	65	68	75	70	65	60	65	50	80	80	80	85	70		

Tree																				
sp. =																				
ht																				
girth																				

Slope																				
Soil																				

COMMENTS

AK

Bunny scat

Light green

1097

2/9

314+

Line no: 2  
 % cover 24.0  
 Bearing: .5 | 25.0 | .5 | 26.0 | .5 | 27.0 | .5 | 28.0 | .5 | 29.0 | .5 | 30.0 | .5 | 31.0 | .5 | 32.0 | .5

Line no:	% cover	Bearing:	Date:	Recorders:
Stipa				
Bougrea	80	55	40	50
Bouhira		10		
Boucur				
Boueri				
Aris				
Sp. con		5		
Forb	1			
Marnel	12.5			
Ecl. p.c.	7			
Gr. p.c.		15		
Soil p.c.		5		
Shrub				
Opimb				
Oppol				
Crypt	12.5	15	3	10
Lichen	✓	✓	✓	✓
Moss	+			
algae				
BUC	✓	✓	✓	✓
Rock >6cm				
Stone <6cm				
Pebble				
Wood >7.5cm				
deb. <7.5cm				
litter <1cm	80	70	95	55
Tree				
sp. =				
ht				
girth				
Slope				
Soil				

1090  
 1090  
 1090

Unid  
 Bare  
 Blun  
 Scat  
 Yellow  
 lichen

115  
 9/13

314+

Line no: 2  
% cover 33.0  
Bearing: .5 | 34.0  
Date: 8/20 .5 | 35.0  
Recorders: .5 | 36.0  
37.0  
38.0  
39.0  
40.0  
41.0  
.5

Stipa  
Bougrea 66 15 55 40 55 25 35 20 55 5 15 50 50 25 25 30 15 40 20

Bouhir 5  
Boucur  
Boueri  
Aris 50  
Williams  
specan

Forb Spk  
Galsal  
Sin gra  
Lca etc

Shrub  
Opimb  
Oppol

Crypt 5  
Lichen  
moss  
algae Nest  
BUC Rivas

Rock >6cm  
Stone <6cm  
pebble  
Bare ground

Wood >7.5cm  
deb. <7.5cm  
litter <1cm

Tree  
sp. =  
ht  
girth

Slope  
Soil

COMMENTS

1133

Bandy  
Scat

1133

152

414+

Line no: 2 Bearing: 464+ Date: 8/21 Recorder: 5  
% cover 50.0 .5 0.0 .5 1.0 .5 2.0 .5 3.0 .5 4.0 .5 5.0 .5 6.0 .5 7.0 .5

Stipa 10 5 90 60 60 50 70 70

Bougra 5 90 60 60 50 70 70

Bouhri 10 5 90 60 60 50 70 70

Boucur 10 5 90 60 60 50 70 70

Boueri 10 5 90 60 60 50 70 70

Aris 10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

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10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

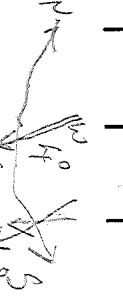
10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

10 5 90 60 60 50 70 70

1/35



in litter 15' Mark 15' from litter 1'

Asp?

1/45

115b



464

Line no: 2 Bearing: Date: 8/21 Recorders:

Stipa 8.0 .51 9.0 .51 10.0 .51 11.0 .51 12.0 .51 13.0 .51 14.0 .51 15.0 .51 16.0 .51

Bougrea 65 50 60 10 10 5 10 60 65 75 25 15 35 70 30 20 25

Bouhira Boucur Boueri Aris 5 2 2 20 2 15 7 15 10 20 10 3 3 35 10 10 16

Forb 100cm 75cm 20cm 10cm 10cm 10cm 10cm 10cm 10cm 10cm 10cm 10cm 10cm 10cm 10cm 10cm

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

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Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

Opimb Oppol Crypt Lichen moss algae Mast BUC Riccia Rock >6cm Stone <6cm Pebble Bare ground Wood >7.5cm deb. <7.5cm litter <1cm Tree sp. = ht girth Slope Soil

980 1152

Bunny scat

Bunny scat

1169 796





4644

Line no: 2 Bearing: Date: 8/21 Recorders: .51 42.0 .51 43.0 .51

Line no	% cover	Bearing	Date	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder	Recorder
Stipa																				
Bougrea	80	85	75	75	35	25	25	35	50	35	25	25	5	15	20	50	30			
Bouhier																				
Boucur																				
Boueri																				
Aris																				
Opimb																				
Oppol																				
Crypt	15	24	10	25	30	40	25	30	15	15	29	20	20	15	8	16	20	15		
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bare ground	20	16	20	10	15	30	40	35	35	35	35	40	55	40	40	30	35	5		
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	75	70	76	70	55	40	40	45	55	60	55	45	35	55	55	60	45	90		
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

1206

J.R. can W. 3'

J.R. can 1' W. of hole

1223

1021

464+

Line no: 2  
 % cover 44.0  
 Bearing: .51 45.0  
 Date: 8/21  
 .51 47.0  
 .51 48.0  
 .51 49.0  
 .51 50.0  
 .51 51.0  
 .51 52.0  
 .5

Line no	% cover	Bearing	Date	Recorder
Stipa				
Bougra	50	60	55	58
Bouhir				
Boucur				
Boueri				
Aris				
Spa Can				
Forb				
Opimb				
Oppol				
Crypt	15	2	18	15
Lichen				
mos				
algae				
BUC				
Rock >6cm				
Stone <6cm				
Pebble				
Sand				
Wood >7.5cm				
deb. <7.5cm				
litter <1cm				
Tree				
sp. =				
ht				
girth				
Slope				
Soil				

COMMENTS

1224

Jun Can  
 2' W. of base  
 11241  
 5 2/10

464

Line no: 2  
 % cover  
 Bearing:  
 Date: 9/21  
 Recorders:

	53.0	.5	54.0	.0	.5	55.0	.0	.5	56.0	.0	.5	57.0	.0	.5	58.0	.0	.5	59.0	.0	.5	60.0	.0	.5	61.0	.0	.5													
Stipa	1		25		10	5			5																														
Bougra	20																																						
Bouhtr																																							
Boucur	15		30		20	25			5		25		20		30																								
Boueri									25		25		30		35																								
Aris													10																										
See Can																																							
Forb																																							
leucost					2																																		
Hypoxis					2																																		
Ring grass									5																														
Ringst																																							
Shrub																																							
Opimb																																							
Oppol																																							
Crypt									10																														
lichen									5																														
moss									5																														
algae									5																														
BUC									5																														
Rock >6cm																																							
Stone <6cm																																							
Pebble																																							
sand	10		10		30				70		60		85		15		30		50		40		20		60		70		30		35		35		55		55		15
Wood >7.5cm																																							
deb. <7.5cm	3		5		10																																		
litter <1cm	90		90		70				80		40		55		80		70		45		55		80		40		40		25		70		60		55		70		80
Tree																																							
sp. =																																							
ht																																							
girth																																							
Slope																																							
Soil																																							

COMMENTS

1846 Jun Can 2' h/

Jun Can

1259 Jun Can 5' 4-501

M.T.

464

Line no: 2 Bearing: .5 | 62.0 | .5 | 63.0 | .5 | 64.0 | .5 | 65.0 | .5 | 66.0 | .5 | 67.0 | .5 | 68.0 | .5 | 69.0 | .5 | 70.0 | .5

Date: 8/21

Recorders:

Stipa	10	15		10	5	5	10	10	15	30	30	15	35	15	10	5	10
Bougrea	10																
Bouhr	10																
Boucur		25	60	90													
Boueri		25		30	5	25	50	15	35	50	20	25	25	30	35	50	55
Aris																	
U.I.	10						10	10	5								
Spa. Grass							10										
Fogb																	
U.I. P.N.		1															
Happin							10										
Leafy								2									
Shrub																	
Opimb																	
Oppol																	
Crypt	10	20	30	20	15	10	10	3	5	10	15	8	15	15	5	20	15
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																	
Stone <6cm																	
Pebble																	
sand	40	60	10	15	35	20	25	45	25	25	25	35	20	15	40	15	50
Wood >7.5cm																	
deb. <7.5cm																	
litter <1cm	60	30	70	65	60	70	70	55	70	70	65	60	70	75	60	70	50
Tree																	
sp. =																	
ht																	
girth																	
Slope																	
Soil																	

COMMENTS

1260

1239 P  
10

4644

Line no: 2 Bearing: .5 | 71.0 | .5 | 72.0 | .5 | 73.0 | .5 | 74.0 | .5 | 75.0 | .5 | 76.0 | .5 | 77.0 | .5 | 78.0 | .5 | 79.0 | .5

% cover 71.0 .5 72.0 .5 73.0 .5 74.0 .5 75.0 .5 76.0 .5 77.0 .5 78.0 .5 79.0 .5

Stipa 35 25 40 40 25 5 60 50 20 2 35 35 15 10 30 50 50

Bougrea 35 25 40 40 25 5 60 50 20 2 35 35 15 10 30 50 50

Bouhair 12.5 50 30 30 25 5 60 50 20 2 35 35 15 10 30 50 50

Boueri 5 1 5 5 5 5 10 5 2 2 30 65 10

Aris 5 1 5 5 5 5 10 5 2 2 30 65 10

Forb 5 1 5 5 5 5 10 5 2 2 30 65 10

Hypochaeris 5 1 5 5 5 5 10 5 2 2 30 65 10

Grass 5 1 5 5 5 5 10 5 2 2 30 65 10

Shrub 5 1 5 5 5 5 10 5 2 2 30 65 10

Opimbo 5 1 5 5 5 5 10 5 2 2 30 65 10

Oppol 5 1 5 5 5 5 10 5 2 2 30 65 10

Crypt 5 1 5 5 5 5 10 5 2 2 30 65 10

Lichen 5 1 5 5 5 5 10 5 2 2 30 65 10

moss 5 1 5 5 5 5 10 5 2 2 30 65 10

algae 5 1 5 5 5 5 10 5 2 2 30 65 10

BUC 5 1 5 5 5 5 10 5 2 2 30 65 10

Rock >6cm 5 1 5 5 5 5 10 5 2 2 30 65 10

Stone <6cm 5 1 5 5 5 5 10 5 2 2 30 65 10

Pebble 5 1 5 5 5 5 10 5 2 2 30 65 10

Sand 5 1 5 5 5 5 10 5 2 2 30 65 10

Wood >7.5cm 5 1 5 5 5 5 10 5 2 2 30 65 10

deb. <7.5cm 5 1 5 5 5 5 10 5 2 2 30 65 10

litter <1cm 5 1 5 5 5 5 10 5 2 2 30 65 10

Tree 5 1 5 5 5 5 10 5 2 2 30 65 10

sp. = 5 1 5 5 5 5 10 5 2 2 30 65 10

ht 5 1 5 5 5 5 10 5 2 2 30 65 10

girth 5 1 5 5 5 5 10 5 2 2 30 65 10

Slope 5 1 5 5 5 5 10 5 2 2 30 65 10

Soil 5 1 5 5 5 5 10 5 2 2 30 65 10

COMMENTS 5 1 5 5 5 5 10 5 2 2 30 65 10

5 1 5 5 5 5 10 5 2 2 30 65 10

5 1 5 5 5 5 10 5 2 2 30 65 10

5 1 5 5 5 5 10 5 2 2 30 65 10

5 1 5 5 5 5 10 5 2 2 30 65 10

5 1 5 5 5 5 10 5 2 2 30 65 10

5 1 5 5 5 5 10 5 2 2 30 65 10

1278

Jun Can 3 W.

Mushroom

1895 873



4644

Line no: 2  
% cover

Bearing: .5 | 81.0 | .5 | 82.0

Date: 8/21 .5 | 83.0

Recorders: .5 | 85.0

.5 | 86.0

.5 | 87.0

.5 | 88.0

.5

Stipa

86.0

Bougra

30

Bouhir

Boucur

35

Boueri

40

Aris

35

Sootava

10

Forb euph

Confer

Heracaria

Te

Varela

Shrub

Opimb  
Oppol

Crypt  
lichen

moss

algae

BUC  
Riava

Rock >6cm

Stone <6cm

Pebble

sand

Wood >7.5cm

deb. <7.5cm

litter <1cm

Tree

sp. =

ht

girth

Slope

Soil

COMMENTS

.5 | 81.0

.5 | 82.0

.5 | 83.0

.5 | 84.0

.5 | 85.0

.5 | 86.0

.5 | 87.0

.5 | 88.0

.5

5

5

28

30

50

50

30

10

20

20

20

20

2

5

5

35

20

35

25

25

60

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60

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1

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1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1296

Slope  
grass

1318

111

4614

Line no: 2  
% cover 89.0  
Bearing: .51 90.0 .51 91.0 .51 92.0 .51 93.0 .51 94.0 .51 95.0 .51 96.0 .51 97.0 .5

Date: 8/21

Recorders:

Stipa																		
Bougra	70	80	75	70	70	50	60	50	50	75	35	35	65	65	50	40	40	45
Bouhir																		
Boucur																		
Boueri																		
Arts																		
Spa Can	5	5						100			50							
Warbles																		
Forb																		
Habaia	10	5							8						12.5			
Zingua																		
spiral																		
Shrub																		
Opimb																		
Oppol																		
Crypt	15	10	8	3	5	6	6	5	7	6	9	12	10	8	20	8	10	7
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	+	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓		+	+	+	✓	✓	+	+	+	+	✓	+	+	+	+	+	+
algae						✓	✓			+	✓	✓	✓	+	✓	✓	✓	✓
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock > 6cm																		
Stone < 6cm																		
Pebble																		
Sand	15	10	25	30	25	40	35	25	45	20	35	60	30	35	20	45	45	50
Wood > 7.5cm																		
deb. < 7.5cm						3				2								
litter < 1cm	80	85	70	70	75	55	60	70	50	70	40	35	60	60	60	45	45	45
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

V. Short grass  
Drying  
Erupting  
1314  
1331  
129

464+

564+ SE

Line no: 998.0 Bearing: 53 Date: 8/21 Recorders: 2 3 0 5 1 5 5 6 0 5 1 6 0 5 5 0 5 5 10 5 6 0 5

Stipa 70 50 50 60 75 40 45 70 70 55 60 65 60 50 55 25 30 15 15

Bougra 70 50 50 60 75 40 45 70 70 55 60 65 60 50 55 25 30 15 15

Bouhira Boucur Boueri Aris 261 years 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5 10

Forb 50 50 50 60 75 40 45 70 70 55 60 65 60 50 55 25 30 15 15

Opimb Oppol Crypt Lichen moss algae BUC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Rock >6cm Stone <6cm Pebble Sand 15 40 10 35 15 35 40 20 20 35 35 15 25 15 15 20 30 15 15

Wood >7.5cm deb. <7.5cm litter <1cm 80 50 85 60 80 55 55 85 70 10 66 80 70 66 70 55 15 65

Tree sp.= ht girth Slope Soil

COMMENTS

1332

Burny Seat

1349

7411



575m+

Line no: 2 Bearing: SE Date: 28 Sept. 1977 Recorders: Kisa/SALL

Line no:	% cover	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	
Stipa																				
Bougrea	70	60	30	25	25	45	70	50	30	20	50	50	50	50	30	70	45	20	10	
Bouhira			3							1								25	40	
Boucur																				
Boueri																				
Aris lower		10	25	25	5	25		15	12.5	35	25	8	12.5	35						
Cyperus					1															
Panic																				
Forb shrubs																				
Hyssop	5			3	10	8		15		5	3									
Vet. gra		3			2				10	2										
Andr																				
Saharalea										10	2		3	1	2	3				
Satureia																				
Leuc. per																				
Opimb																				
Oppol										3										
Crypt		5.0	2	5.0	10	5.0	6	5	10	8	10	10	10	10	8	10	10	5	8	
Lichen		2.5	1	2.5		2.5			10	10	10	10	10	10	8	10	10	5	8	
moss																				
algae									+											
BUC		25	1	2.5	10	2.5			+	10	10	10	10	10	10	10	10	10	10	10
Rock >6cm																				
Stone <6cm																				
Pebble																				
Barren ground	12	25	20	12.5	30	15	10	15	25	10	10	15	10	10	10	20	25	20	25	
Wood >7.5cm																				
deb. <7.5cm																				
litter <1cm	80	70	80	85	60	80	85	80	65	80	80	80	70	85	80	75	60	75	75	
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				

Very dry looking and BUC everywhere

Burnt

1360

1377

575m+

Line no: 2 Bearing: S E Date: 9/28 Recorders: LMP/JARL

	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
Stipa																		
Bougrea	35	50	5	65	10	60	30	30	30	20	25	50	50	30	25	50	30	50
Bouhir																		
Boucur	70	20	75		5		5			25	25			25	25	20	55	35
Boueri																		
Aris long																		
PANIC	1		10	10		3												
CUSCUS			2	2														
ARTS				10														
Forb																		
UNID <sub>2</sub>																		
Sphacelca																		
UNID <sub>1</sub>																		
Zin gra																		
Shrub																		
Opimb																		
Oppol					1	75	25											
Crypt	6	8	5	5	3	6	10	10	10	10	12.5	10	10	5	3	5	5	5
lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss																		
algae						+					+		+					
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																		
Stone <6cm																		
Pebble																		
Bare ground	5	15	5	10	30	10	20	20	40	20	15	10	15	20	35	10	5	5
Wood >7.5cm																		
deb. <7.5cm																		
litter <1cm	90	80	90	85	75	60	75	60	55	75	80	80	75	75	65	85	90	90
Tree																		
sp. =																		
ht																		
girth																		
Slope																		
Soil																		

COMMENTS

00  
M  
M

Bunny  
skat

Bunny  
skat

Bunny  
skat

Bunny  
skat

1395

575 m<sup>+</sup>

Line no: 2      Bearing: S<sub>2</sub>E      Date: 9/28      Recorders: UMF/JMR

	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	
Stipa																			
Bougrea	10	75	75	55	50	75	30	30	25	25	25	10	40	40	70	70	60	15	
Bouhr								+1	+1										10
Boucur	80	20			25	15	50	30	75	35	65	75	15						
Boueri																			25
Aris long																			
W/ Sava																			
Forb 2 in 6m										5									
Hydro	10			5						5									
W/ D 1	10									10									
W/ D 2		5																	
UND 22			1																
Shrub																			12.5
Opimb																			
Oppol																			
Crypt	10	5	10	12.5	10	7	5	8	Ø	5	4	Ø	3	Ø	10	12	3	1	
Lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
moss	✓																		2
algae																			
BUC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock >6cm																			
Stone <6cm																			
Pebble																			
Baranoun	4	15	10	20	12.5	7	15	10	5	15	10	5	12	35	20	15	15	40	
Wood >7.5cm																			
deb. <7.5cm																			
litter <1cm	95	85	85	75	80	85	80	85	95	85	90	95	85	70	75	80	80	60	
Tree																			
sp. =																			
ht																			
girth																			
Slope																			
Soil																			

1296

Bunny  
Stk  
green  
yellow  
brown  
dark

575m +

Line no: 2

Bearing:

Date: 9/28

Recorders: LAMP / STARL

% cover

27.0 | 27.5 | 28.0 | 28.5 | 29.0 | 29.5 | 30.0 | 30.5 | 31.0 | 31.5 | 32.0 | 32.5 | 33.0 | 33.5 | 34.0 | 34.5 | 35.0 | 35.5

Stipa																										
Bougra	15	25	10							15																
Bouhir																										
Boucun																										
Boueri																										
Aris long	50									15																
W/ Junc	2	10	15																							
Spout Junc	3	5																								
Phragmites																										
Forb																										
Eleochar		5																								
Moq graze		5																								
W/B-2																										
Shrub																										
Shrub																										
Opimb																										
Oppoi	20																									
Crypt	5	20																								
Lichen	✓	✓																								
moss				2																						
algae																										
BUC	✓	✓																								
Rock >6cm																										
Stone <6cm																										
Pebble																										
Bare ground	25	2																								
Wood >7.5cm																										
deb. <7.5cm			2																							
litter <1cm	70	90	100	100	100	100	100	100	100	100	100	100	100	100	100	98	50	90	95							
Tree																										
sp. =																										
ht																										
girth																										
Slope																										
Soil																										

100%  
under canopy  
100%  
under canopy  
100%  
under canopy  
100%  
under canopy  
100%  
under canopy  
100%  
under canopy  
100%  
under canopy

(143)

COMMENTS  
W/B 100% = forestation?





575+

Line no: 2 Bearing: 52 Date: Recorder: 51.0 51.5 52.0 53.0 54.0  
% cover 45.0 .51 46.0 .51 47.0 47.5 48.0 48.5 49.0 .51 50.0 .51 51.0 51.5 52.0 .51 53.0 .51

Stipa 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Bougrea 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Bouhair 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Boucur 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Boueri 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Aris long 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Spur oak 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Hill yucca 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Site days 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Forb 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Erigeron 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Gutierrezia 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Shrub 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Opuntia 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Opol 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Crypt 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Lichen 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Moss 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Algae 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

BUC 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Rock >6cm 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Stone <6cm 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

Pebble 50 40 30 15 15 20 15 15 55 25 30 30 60 25 30 5 6

1450  
bur oak  
bur oak  
bur oak

502 100  
in jumps from  
along 100m  
14/07

Table with columns for species names (Stipa, Bougrea, Bouhair, Boucur, Boueri, Aris long, Spur oak, Hill yucca, Site days, Forb, Erigeron, Gutierrezia, Shrub, Opuntia, Opol, Crypt, Lichen, Moss, Algae, BUC, Rock >6cm, Stone <6cm, Pebble, Bare ground, Wood >7.5cm, deb. <7.5cm, litter <1cm, Tree, sp. =, ht, girth, slope, soil) and rows of numerical data representing measurements across different sites.

+ 575

Line no: 54.0 55.0 56.0 57.0 57.5 58.0 59.0 60.0 61.0 62.0

Bearing: S 56.0 57.0 58.0 59.0 60.0 61.0 62.0

Date: 52.0 52.5 53.0 54.0 55.0 56.0 57.0 58.0 59.0 60.0

Recorders: 58.0 59.0 60.0 61.0 62.0

Stipa 50 60 25 30 50 25 30 30 30 20

Bougra 2 10 10 10 10 10 10 10 10 10

Bouhair 40 60 2 2 2 2 2 2 2 2

Boucur 5 3 5 3 5 3 5 3 5 3

Boueri 30 30 8 8 30 8 30 8 30 8

Aris 30 30 8 8 30 8 30 8 30 8

Opimb 30 30 8 8 30 8 30 8 30 8

Oppol 30 30 8 8 30 8 30 8 30 8

Crypt 6 15 15 4 4 8 10 10 10 5

Lichen 1 1 1 1 1 1 1 1 1 1

moss 1 1 1 1 1 1 1 1 1 1

algae 1 1 1 1 1 1 1 1 1 1

BUC 1 1 1 1 1 1 1 1 1 1

Rock >6cm 5 10 15 8 10 25 35 15 15 10

Stone <6cm 10 15 15 8 10 25 35 15 15 10

Pebble 10 15 15 8 10 25 35 15 15 10

Bare ground 5 10 15 8 10 25 35 15 15 10

Wood >7.5cm 2 6 5 10 10 15 10 15 15 10

deb. <7.5cm 100 100 100 100 100 100 95 85 85 80 85 75 60 75 80 70

litter <1cm 100 100 100 100 100 100 95 85 85 80 85 75 60 75 80 70

Tree sp. = ht girth Slope Soil

COMMENTS 100% 1467 100% 1495

1467

1495

575+

9/28

← Sumo 2007g New →

Line no: 2 Bearing: SE Date: 9/28 Recorders:

% cover 63.0 | 63.5 | 64.0 | 64.5 | 65.0 | 65.5 | 66.0 | 66.5 | 67.0 | 67.5 | 68.0 | 68.5 | 69.0 | 69.5 | 70.0 | 70.5 | 71.0 | 71.5

Stipa 30 20 65 30 35 25 25 40 10 10

Bougrea Bouhler Boucur Boueri Aris

63.0 63.5 64.0 64.5 65.0 65.5 66.0 66.5 67.0 67.5 68.0 68.5 69.0 69.5 70.0 70.5 71.0 71.5

Forb 1

50 seed 100 120

Shrub

Opimb 100

Oppol 100

Crypt 5 3 5

Lichen moss algae BUC

Rock >6cm Stone <6cm Pebble

Bare ground 60 75 30 65 30 50 75 55 20 2

Wood >7.5cm deb. <7.5cm litter <1cm

40 25 70 35 155 50 25 45 75 98 100 100 100 100 100 100 100 100

Tree sp. = ht girth

Slope Soil

COMMENTS

1486

burned

burned

250m

100

160

130

100

100

100

100

100

1503

575m+

Line no: 2  
 % cover 72.01 72.51 75.01 78.51 74.01 74.51 75.01 75.51  
 Bearing: S E  
 Date: 9/28  
 Recorders: LMP & JNEL

Stipa																				
Bougrea																				
Bouhair																				
Boucur																				
Boueri																				
Aris																				
Para grass	10																			
Forb																				
mit grass	5	20	12																	
Shrub																				
Opimb																				
Oppol																				
Crypt																				
Lichen																				
moss																				
algae																				
BUC																				
Rock >6cm																				
Stone <6cm																				
Pebble																				
Bara ground																				
Wood >7.5cm																				
deb. <7.5cm	30	20	5																	
litter <1cm	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Tree																				
sp. =																				
ht																				
girth																				
Slope																				
Soil																				
COMMENTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

gerno  
 canopy  
 sumo east of 17 line  
 canopy  
 sumo  
 canopy  
 1500  
 canopy  
 sumo  
 canopy  
 1500  
 canopy  
 sumo  
 canopy  
 1500

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1001 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	6.7					10.0
Jumo	4.0	4.9	7.2	3.9	(2)	9.0
PIED	2.0					7.5
PIED	2.5					6.0
Jumo	8.7					9.0
Jumo	4.8	1.9			(67)	9.5
Jumo	4.6	3.9	3.0	8.8	8.9 (29.2)	11.0
Jumo	1.5	1.4			(29)	3.5
Jumo	8.8					8.5
Jumo	3.7	1.9	1.9	2.5	1.9 (11.9)	6.5

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	6.7	3.5	4.6			(148) 6.0
PIED	4.6					8.5
Jumo	3.5	5.2	6.2	6.0	(20.9)	11.0
Jumo	3.8	3.9	2.8	1.6	(12.1)	8.0
PIED	2.5	1.9			(4.4)	6.0

PIED < 1.5"  
JUMO < 1.5"

PLOT 093JT1002 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	16.7					13.0
PIED	2.8					9.0
PIED	4.7					9.0
Jumo	2.5	1.5			(4)	5.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	11.2					9.5
Jumo	10.7	4.5	3.9	1.9	(2)	10.0
PIED	1.8					8.0
PIED	4.7					14.0
Jumo	5.4	2.6	2.6	5.4	3.5 (19.5)	10.0
Jumo	9.7					11.0
PIED	5.1					10.0
Jumo	7.8	2.3	4.8	1.3	(14.2)	11.5

PIED < 1.5"  
JUMO < 1.5"

Q93JT101

10-26-1993

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
28.8	37.8	0.5

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
%1152.9	1153

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
13.6	1139.3

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	3.4	7
JUNIPER	11	13.0	8

Q93JT102

10-26-1993

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
21.6	51.8	0.8

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
863.2	863

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
38.1	825.1

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	5	3.8	10
JUNIPER	7	14.0	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1003 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	7.5	10.0
Jumo	15.7	11.0
PIED	1.5	6.5
Jumo	15.6	13.5
PIED	2.0	3.0
PIED	1.8	3.0
Jumo	9.2	11.0
Jumo	3.5	5.0

PIED < 1.5"

JUMO < 1.5"

PLOT 093JT1004 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.3 7.4 5.6 (19.3)	11.0
PIED	7.4	11.0
PIED	3.2	7.5

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

PIED	5.4	10.0
Jumo	5.4	9.0
Jumo	3.1 1.1 (4.2)	6.0
Jumo	4.4 2.9 (7.1)	8.0
PIED	2.0 1.0 (3.0)	7.5
Jumo	2.5 4.0 2.3 .9 2.8 (13.2) .7	8.0
Jumo	7.8 4.5 .3 1.5 2.0 (6.1)	8.5
Jumo	8.1 2.1 2.3 2.3 2.1 (16.9)	8.0
Jumo	6.7	9.5

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

JUMO	5.6	8.0
Jumo	7.9 1.4 2.4 2.4 (14.1)	8.0
Jumo	4.8 5.2 6.1 4.5 (20.6)	11.0
Jumo	2.0	4.0
PIED	3.5	12.0
PIED	1.8	6.0
Jumo	1.5 .6 1.5 .7 1.7 (6)	4.5
JUMO	8.7 6.4 3.5 2.7 (27.3)	9.0
Jumo	1.0 2.5 1.9 2.2 2.2 1.7	6.0
<del>Jumo</del>	1.0 1.0 (13.5)	

PIED < 1.5"

JUMO < 1.5"



Q93JT103

10-28-1993

AVE VOL  
PER PLOT  
17.2

SAMPLING ERROR  
(AS A % OF MEAN)  
8.3

COEF VAR  
(SD/MEAN)  
0.1

AVERAGE VOLUME PER ACRE  
688.6

ESTIMATED TOTAL VOLUME  
689

ESTIMATED TOTAL PINYON VOLUME  
42.2

ESTIMATED TOTAL JUNIPER VOLUME  
646.5

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	6	3.5	7
JUNIPER	11	10.3	9

Q93JT104

10-28-1993

AVE VOL  
PER PLOT  
19.7

SAMPLING ERROR  
(AS A % OF MEAN)  
40.6

COEF VAR  
(SD/MEAN)  
0.6

AVERAGE VOLUME PER ACRE  
788.6

ESTIMATED TOTAL VOLUME  
789

ESTIMATED TOTAL PINYON VOLUME  
38.9

ESTIMATED TOTAL JUNIPER VOLUME  
749.8

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	4.0	9
JUNIPER	8	12.8	8

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1005 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	16.4						12.0
PIED	2.5						15.0
Jumo	1.5	1.4			(2.9)		4.0
Jumo	6.8	9.0	3.5	3.7	(2.8)		13.0
Jumo	3.5	1.4			(4.9)		7.0
PIED	4.3						9.5
Jumo	3.4	3.5	4.5	3.4	5.4	5.7	13.0
<del>X</del>	2.3				(28.2)		
Jumo	16.4						13.0

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1006 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)							HEIGHT (Ft.)
Juma	3.5	2.3	2.3	2.0	1.9	.9		6.0
<del>X</del>	1.5	2.9			(17.3)			
PIED	3.4							10.0
JUMO	17.8							15.0
PIED	3.4							8.5
Jumo	2.9							4.5
Jumo	2.5	2.0	1.2	1.8	2.7	(3.2)		7.5

PIED < 1.5"

JUMO < 1.5" ~~X~~

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	6.7						7.5
Jumo	9.3						9.5
PIED	2.5	1.9					8.0
Jumo	7.1	7.4	4.5	3.7	2.6	2.6	10.5
<del>X</del>	5.7	2.0			(35.6)		
PIED	3.8						12.0
Jumo	5.9						7.5
PIED	1.5						6.0
Jumo	1.5	1.4	1.5		(4.4)		6.0

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	3.5	1.8	2.1	1.7	(9.1)		6.5
PIED	8.7						16.5
Jumo	6.7						9.0
PIED	2.2						8.0
Jumo	5.3	4.0	1.9	4.5	3.5	4.1	11.5
Jumo	1.9	.5	.4	1.0	(3.8)		7.0
Jumo	2.1	2.3			(3.4)		5.0
Jumo	1.9						3.0

PIED < 1.5"

JUMO < 1.5"

Q93JT105

10-28-1993

AVE VOL  
PER PLOT  
51.1

SAMPLING ERROR  
(AS A % OF MEAN)  
24.5

COEF VAR  
(SD/MEAN)  
0.4

AVERAGE VOLUME PER ACRE  
%2045.2

ESTIMATED TOTAL VOLUME  
2045

ESTIMATED TOTAL PINYON VOLUME  
25.0

ESTIMATED TOTAL JUNIPER VOLUME  
2020.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	5	3.3	10
JUNIPER	11	14.0	9

Q93JT106

10-28-1993

AVE VOL  
PER PLOT  
20.4

SAMPLING ERROR  
(AS A % OF MEAN)  
6.2

COEF VAR  
(SD/MEAN)  
0.1

AVERAGE VOLUME PER ACRE  
815.2

ESTIMATED TOTAL VOLUME  
815

ESTIMATED TOTAL PINYON VOLUME  
75.3

ESTIMATED TOTAL JUNIPER VOLUME  
739.8

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	4.4	11
JUNIPER	10	9.6	8

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1007 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)
Jumo	6.1	14.6		17.0
Jumo	3.5			5.0
Jumo	5.2	2.1		10.0
Jumo	1.5			4.0
Jumo	3.5			9.5
Jumo	1.5			6.0
Jumo	2.8			5.0
Jumo	12.9			12.5

PIED < 1.5" °

JUMO < 1.5"

PLOT Q93JT1008 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)
PIED	4.7			11.5

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)
Jumo	12.4	7.2	5.2	14.0
PIED	4.7			16.0
Jumo	3.2	6.7		12.0
PIED	1.5			5.5
PIED	1.5			7.5
Jumo	1.5			4.0

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)
Jumo	18.4	4.3		15.0
Jumo	29.6			15.0
Jumo	3.8			5.0
Jumo	1.5	1.0		4.0
Jumo	2.1	2.6	2.4 .7	8.0
Jumo	2.5			7.5
Jumo	2.6			6.0
Jumo	2.4			6.0
Jumo	1.5			3.5
Jumo	1.5	1.3		5.0
PIED	4.7			10.0
PIED	5.5			6.5
Jumo	3.0			3.5

PIED < 1.5"

JUMO < 1.5" °

Q93JT107

10-28-1993

AVE VOL PER PLOT 26.1	SAMPLING ERROR (AS A % OF MEAN) 0.9	COEF VAR (SD/MEAN) 0.0
-----------------------------	---	------------------------------

AVERAGE VOLUME PER ACRE %1043.8	ESTIMATED TOTAL VOLUME 1044
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 16.0	ESTIMATED TOTAL JUNIPER VOLUME 1027.8
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	2.6	10
JUNIPER	11	8.2	9

Q93JT108

10-28-1993

AVE VOL PER PLOT 31.0	SAMPLING ERROR (AS A % OF MEAN) 95.6	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1239.4	ESTIMATED TOTAL VOLUME 1239
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 30.6	ESTIMATED TOTAL JUNIPER VOLUME 1208.8
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	5.0	9
JUNIPER	11	7.4	7

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q 93JT 1009 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	9.2 3.4 (12.6)	10.5
Jumo	4.5 5.1 4.9 5.7 4.7 3.5 (26.7)	14.0
Jumo	2.5 1.9 3.2 (7.6)	11.0
Jumo	3.5 4.3 4.4 2.5 11.2 (25.9)	13.0

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

PLOT Q 93JT 1010 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	11.1 9.0 5.4 2.1 4.1 5.0	15.0
<del>X</del>	1.4 (38.1)	
Jumo	2.7 4.4 (7.1)	9.0

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.9	11.0

PIED < 1.5"

JUMO < 1.5"

Q93JT109

10-28-1993

AVE VOL  
PER PLOT  
29.0

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
%1159.2

ESTIMATED TOTAL VOLUME  
1159

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1159.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	4	18.6	12

Q93JT110

10-28-1993

AVE VOL  
PER PLOT  
27.6

SAMPLING ERROR  
(AS A % OF MEAN)  
92.2

COEF VAR  
(SD/MEAN)  
1.3

AVERAGE VOLUME PER ACRE  
%1103.6

ESTIMATED TOTAL VOLUME  
1104

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1103.6

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	3	17.7	12

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

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PLOT 093JT1011 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
 JUMO < 1.5"

PLOT 093JT1012 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
 JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
 JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	114 3.9 3.9 2.5	21.7 10.0

PIED < 1.5"  
 JUMO < 1.5"



Q93JT112

10-28-1993

AVE VOL  
PER PLOT  
5.8

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
233.0

ESTIMATED TOTAL VOLUME  
233

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
233.0

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	21.7	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93T1013 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		

PIED < 1.5"

JUMO < 1.5" 

PLOT Q93T1014 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	2.5 1.0	3.0
Jumo	2.0	30

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		

PIED < 1.5"

JUMO < 1.5"

Q93JT114

10-28-1993

AVE VOL  
PER PLOT  
-0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
-97.5

COEF VAR  
(SD/MEAN)  
-1.4

AVERAGE VOLUME PER ACRE  
-1.2

ESTIMATED TOTAL VOLUME  
-1

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
-1.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	2.8	3

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093T1015 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT 093T1016 Record \_\_\_\_\_ Read \_\_\_\_\_

**QUAD A**

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

**QUAD A**

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

**QUAD B**

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

**QUAD B**

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1017 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1018 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.5 2.0 2.0 .5 .5 <u>9.5</u>	5.0
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PIED < 1.5"

JUMO < 1.5"

Q93JT118

10-28-1993

AVE VOL  
PER PLOT  
0.3

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
12.3

ESTIMATED TOTAL VOLUME  
12

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
12.3

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	8.5	5

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1019 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1020 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.9	5.0

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
1.5	Jumo	4.5

PIED < 1.5"

JUMO < 1.5"

Q93JT119

10-28-1993

AVE VOL  
PER PLOT  
0.1

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
2.6

ESTIMATED TOTAL VOLUME  
3

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
2.6

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	3.9	5

Q93JT120

10-28-1993

AVE VOL  
PER PLOT  
-0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
-97.5

COEF VAR  
(SD/MEAN)  
-1.4

AVERAGE VOLUME PER ACRE  
-0.2

ESTIMATED TOTAL VOLUME  
-0

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
-0.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	1.5	5



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1021 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT Q93JT1022 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

PLOT Q93JT1023 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1024 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1025 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	2.8	6.0
Jumo	3.0 .5 .5 (40)	4.5

PIED < 1.5"

JUMO < 1.5"

PLOT 093JT1026 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

Q93JT125

10-28-1993

AVE VOL  
PER PLOT  
0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
1.7

ESTIMATED TOTAL VOLUME  
2

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1.7

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	3.4	5

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1027 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT Q93JT1028 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1029 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	13.4	14.0
Jumo	1.9	7.0
Jumo	1.9	6.5
Jumo	1.8 3.1 1.8 (6.7)	5.0

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1030 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	3.1	10.0
JUMO	5.9 1.4 (7.3)	11.5
JUMO	3.2 1.0 (4.2)	6.0
JUMO	1.1 1.1 .3 (2.5)	6.0
JUMO	5.1 3.1 (8.2)	13.0
JUMO	5.8 3.5 5.4 (14.7)	11.0
JUMO	3.2	10.5
JUMO	6.1	11.0
PIED	3.1 2.9 (6)	10.5
JUMO	1.1	5.0
JUMO	9.8	12.5
JUMO	4.8 3.1 (7.9)	6.0

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"



Q93JT129

10-28-1993

AVE VOL PER PLOT 3.8	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 151.1	ESTIMATED TOTAL VOLUME 151
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 143.7	ESTIMATED TOTAL JUNIPER VOLUME 7.4
--	---------------------------------------

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	13.4	14
JUNIPER	3	3.5	6

Q93JT130

10-28-1993

AVE VOL PER PLOT 6.8	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 272.5	ESTIMATED TOTAL VOLUME 273
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 18.2	ESTIMATED TOTAL JUNIPER VOLUME 254.3
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	6.0	11
JUNIPER	11	6.2	9

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1031 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.9	10.5
Jumo	7.0	12.5
Jumo	7.9	10.5
Jumo	11.2	11.0
Jumo	4.2 4.4 3.6 2.5 1.9 3.0	8.0
<del>X</del>	3.9 .9 (34.4)	
Jumo	16.4	12.0
Jumo	3.5 2.0 4.2 3.5 1.9 (15)	7.5

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1032 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	16.7	9.0
PIED	1.0	4.0

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
12.4	11.5
4.8 3.6 2.8 1.9 5.1 5.3 (33.5)	10.5
1.0 11.7 (12.7)	12.5
4.1 4.8 1.2 1.5 (11.6)	8.0

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
∅	

PIED < 1.5"

JUMO < 1.5"



Q93JT133

10-28-1993

AVE VOL  
PER PLOT  
47.2

SAMPLING ERROR  
(AS A % OF MEAN)  
7.3

COEF VAR  
(SD/MEAN)  
0.1

AVERAGE VOLUME PER ACRE  
%1889.2

ESTIMATED TOTAL VOLUME  
1889

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1889.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	10	13.9	9

Q93JT134

10-28-1993

AVE VOL  
PER PLOT  
30.9

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
%1236.1

ESTIMATED TOTAL VOLUME  
1236

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1236.1

SAMPLE TREE AVERAGES


	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	43.9	14

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1035 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.2	4.0
Jumo	15.3 3.5 (15.8)	14.0
PIED	1.2	8.0
Jumo	1.0	4.5
Jumo	12.8	13.0

PIED < 1.5"

JUMO < 1.5" 

PLOT Q93JT1036 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		


PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.1 3.5 2.1 4.5 3.5 5.9	13.5
<del>X</del>	6.3 3.9 6.5 2.1 3.5 3.5 (4.9)	

PIED < 1.5"

JUMO < 1.5" 

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		

PIED < 1.5"

JUMO < 1.5"

Q93JT135

10-28-1993

AVE VOL  
PER PLOT  
46.8

SAMPLING ERROR  
(AS A % OF MEAN)  
61.1

COEF VAR  
(SD/MEAN)  
0.9

AVERAGE VOLUME PER ACRE  
%1873.5

ESTIMATED TOTAL VOLUME  
1874

ESTIMATED TOTAL PINYON VOLUME  
-0.6

ESTIMATED TOTAL JUNIPER VOLUME  
1874.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.2	8
JUNIPER	5	17.0	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1037 Record Read

PLOT Q93JT1038 Record Read

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumd	1.7	3.5

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

Q93JT138

10-28-1993

AVE VOL  
PER PLOT  
-0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
-97.5

COEF VAR  
(SD/MEAN)  
-1.4

AVERAGE VOLUME PER ACRE  
-0.2

ESTIMATED TOTAL VOLUME  
-0

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
-0.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	1.7	4

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1039 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1040 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	5.5	6.5

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	1.5	2.5

PIED < 1.5"  
JUMO < 1.5"

Q93JT140

10-28-1993

AVE VOL  
PER PLOT  
0.2

SAMPLING ERROR  
(AS A % OF MEAN)  
108.1

COEF VAR  
(SD/MEAN)  
1.6

AVERAGE VOLUME PER ACRE  
7.4

ESTIMATED TOTAL VOLUME  
7

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
7.4

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	3.5	5

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1041 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.4	8.0
Jumo	1.5	3.5

PIED < 1.5"

JUMO < 1.5"

PLOT 093JT1042 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo 3.5	4.5
PIED 9.1	16.0

PIED < 1.5"

JUMO < 1.5"



Q93JT141

10-28-1993

AVE VOL  
PER PLOT  
0.3

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
13.2

ESTIMATED TOTAL VOLUME  
13

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
13.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	4.0	6

Q93JT142

10-28-1993

AVE VOL  
PER PLOT  
1.8

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
72.3

ESTIMATED TOTAL VOLUME  
72

ESTIMATED TOTAL PINYON VOLUME  
70.6

ESTIMATED TOTAL JUNIPER VOLUME  
1.7

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	9.1	16
JUNIPER	1	3.5	5



Q93JT143

10-28-1993

AVE VOL  
PER PLOT  
0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
1.0

ESTIMATED TOTAL VOLUME  
1

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1.0

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	3.1	4

PLOT 093JT1045 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
PIED	8.9						12.5
Jumo	2.0	8.4	5.0	2.0	3.0	4.5	14.0
<del>XXXX</del>	2.1	1.9	1.9	3.5	6.1	2.9	
<del>XXXX</del>	2.9	3.0	12.4		(6.1)		

PIED < 1.5" 0 0

JUMO < 1.5"

PLOT 093JT1046 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
PIED	12.4						16.5
JUMO	1.5	0.7			(2.2)		4.0
JUMO	2.9						3.9
JUMO	3.6						6.0
JUMO	2.4	2.5			(4.9)		6.0

PIED < 1.5"

JUMO < 1.5" 0 0

QUAD B

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	3.5						4.5
Jumo	5.7						9.0
Jumo	4.0						7.0
Jumo	4.0	11.4	3.8	.5	2.1	2.9	15.0
<del>XXXX</del>	1.0	6.1	3.2	2.9	4.0	8.1	
<del>XXXX</del>	6.4	5.1	3.9		(6.4)		

PIED < 1.5" 0

JUMO < 1.5" 0 0

QUAD B

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
PIED	8.3						14.0
PIED	4.4						8.5
JUMO	5.4	2.0			(7.4)		7.0
PIED	5.9						14.0
JUMO	3.2	1.1	0.9	0.5	(5.7)		5.5

PIED < 1.5" 0

JUMO < 1.5" 0

Q93JT145

10-28-1993

AVE VOL PER PLOT 130.5	SAMPLING ERROR (AS A % OF MEAN) 7.8	COEF VAR (SD/MEAN) 0.1
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AVERAGE VOLUME PER ACRE %5221.7	ESTIMATED TOTAL VOLUME 5222
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 51.5	ESTIMATED TOTAL JUNIPER VOLUME 5170.2
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	8.9	13
JUNIPER	5	28.0	10

Q93JT146

10-28-1993

AVE VOL PER PLOT 6.2	SAMPLING ERROR (AS A % OF MEAN) 19.9	COEF VAR (SD/MEAN) 0.3
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AVERAGE VOLUME PER ACRE 249.3	ESTIMATED TOTAL VOLUME 249
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 226.4	ESTIMATED TOTAL JUNIPER VOLUME 22.9
--	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	7.8	13
JUNIPER	6	4.5	5

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 93JT1047 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.8 2.0 5.5 2.1 3.8 2.2	10.0
<del>X</del>	3.6 .5 (24.9)	
Jumo	4.5 5.1 (9.6)	10.0
Jumo	5.2 2.5 3.9 4.2 3.9 (19.9)	10.5

PIED < 1.5" °

JUMO < 1.5" 🍌

PLOT 93JT1048 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	11.3	10.0
Jumo	1.8	6.5
Jumo	2.6 1.0 (3.6)	8.0
PIED	9.4	10.0

PIED < 1.5"

JUMO < 1.5" 🍌

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	5.3 5.2 3.5 1.9 1.9 4.8	13.0
<del>X</del>	6.9 (29.5)	
PIED	3.6	12.5
PIED	3.0	6.0
PIED	4.6	8.0
PIED	9.0	13.5
Jumo	15.7	13.0

PIED < 1.5" °

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	1.8	12.0
PIED	6.3	15.0
JUMO	17.1	10.5
Jumo	1.0	4.5
PIED	3.3	8.0
Jumo	18.7 (Soft there)	15.5

↑ TRUNK SPLITS QUADS B of PLOT 48  
AND QUAD B of PLOT 49

PIED < 1.5"

JUMO < 1.5"

Q93JT147

10-28-1993

AVE VOL  
PER PLOT  
34.5

SAMPLING ERROR  
(AS A % OF MEAN)  
20.4

COEF VAR  
(SD/MEAN)  
0.3

AVERAGE VOLUME PER ACRE  
%1380.3

ESTIMATED TOTAL VOLUME  
1380

ESTIMATED TOTAL PINYON VOLUME  
73.2

ESTIMATED TOTAL JUNIPER VOLUME  
1307.1

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	5.1	10
JUNIPER	5	19.8	11

Q93JT148

10-28-1993

AVE VOL  
PER PLOT  
11.8

SAMPLING ERROR  
(AS A % OF MEAN)  
69.3

COEF VAR  
(SD/MEAN)  
1.0

AVERAGE VOLUME PER ACRE  
473.8

ESTIMATED TOTAL VOLUME  
474

ESTIMATED TOTAL PINYON VOLUME  
42.4

ESTIMATED TOTAL JUNIPER VOLUME  
431.4

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	4.0	11
JUNIPER	6	7.9	9

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q 93JT1149 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	13.1	13.5
Jumo	3.4	13.5
Jumo	3.6 3.5 1.5 6.1 3.6 3.0	10.0
<del>X</del>	1.5 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">22.9</span>	
Jumo	3.5 1.9 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">5.4</span>	8.5
Jumo	1.5 5.2 5.3 5.6 4.2 1.8	15.0
<del>X</del>	1.8 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">25.4</span>	

PIED < 1.5"  
JUMO < 1.5"

PLOT Q 93JT1050 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	7.1	11.0
Jumo	8.3	8.5
PIED	6.5	12.0
Jumo	5.6 2.9 5.5 5.1 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">19.7</span> kept here	11.5
LAST Jumo's TRUNK SPLITS QUAD A of		
PLOT 50 AND QUAD A of PLOT 51		

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	10.6	16.0
Jumo	11.8	15.5
PIED	5.1	12.0
Jumo	16.4	13.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	13.2	15.5
Jumo	6.7	13.0
Jumo	17.8	16.5
Jumo	11.3	10.0
Jumo	3.5	4.0
Jumo	6.6	10.0

PIED < 1.5"  
JUMO < 1.5"



Q93JT149

10-28-1993

AVE VOL  
PER PLOT  
32.3

SAMPLING ERROR  
(AS A % OF MEAN)  
39.3

COEF VAR  
(SD/MEAN)  
0.6

AVERAGE VOLUME PER ACRE  
%1291.9

ESTIMATED TOTAL VOLUME  
1292

ESTIMATED TOTAL PINYON VOLUME  
14.8

ESTIMATED TOTAL JUNIPER VOLUME  
1277.1

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	5.1	12
JUNIPER	8	13.6	13

Q93JT150

10-28-1993

AVE VOL  
PER PLOT  
20.4

SAMPLING ERROR  
(AS A % OF MEAN)  
30.5

COEF VAR  
(SD/MEAN)  
0.4

AVERAGE VOLUME PER ACRE  
816.8

ESTIMATED TOTAL VOLUME  
817

ESTIMATED TOTAL PINYON VOLUME  
52.6

ESTIMATED TOTAL JUNIPER VOLUME  
764.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	2	6.8	12
JUNIPER	8	10.8	11

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1051 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.7	6.0
Jumo	12.9 18.1 (21)	16.0
PIED	4.0	8.0
Jumo	6.4 3.4 (9.8)	10.0

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1052 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	8.5	9.0
Jumo	10.9	9.0
Jumo	5.9	8.5
Jumo	4.1 2.1 (6.2)	9.5
Jumo	4.2	8.0
JUMO	4.0 3.3 3.5 (10.5)	10.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

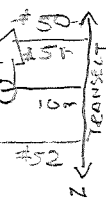
Jumo	7.3	9.5
Jumo	15.4 TRUNK SPLITS 10m line FROM TRANSECT. (Kaphone)	16.0
Jumo	4.9 3.5 3.3 1.2 (2.9)	7.0
Jumo	2.9 2.5 1.8 (7.2)	6.5
PIED	1.5	4.5
Jumo	4.1 6.2 4.2 3.3 3.4 3.3	9.0
<del>Jumo</del>	2.9 3.5 (30.9)	

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

JUMO	18.2	13.0
Jumo	3.5	6.0
Jumo	3.5 3.4 2.2 3.4 3.4 1.8	8.0
<del>Jumo</del>	1.0 (19.7)	
Jumo	9.1 8.5 3.7 2.6 4.9 1.2 (20)	10.5
Jumo	1.5	3.0
Jumo	3.5 3.3 2.9 2.8 (12.5)	9.0
Jumo	2.5 1.9 3.6 2.4 (11.4)	9.0
Jumo	3.5 2.9 2.5 2.8 (11.7)	8.5
Jumo	2.1 3.1 2.1 3.7 3.8 (11.9)	9.0
Jumo	6.7	11.0
Jumo	6.9 3.5 2.4 2.5 5.1 3.4 (23.8)	10.0

PIED < 1.5"  
JUMO < 1.5"



Q93JT151

10-28-1993

AVE VOL  
PER PLOT  
39.5

SAMPLING ERROR  
(AS A % OF MEAN)  
5.8

COEF VAR  
(SD/MEAN)  
0.1

AVERAGE VOLUME PER ACRE  
%1579.0

ESTIMATED TOTAL VOLUME  
1579

ESTIMATED TOTAL PINYON VOLUME  
4.6

ESTIMATED TOTAL JUNIPER VOLUME  
1574.4

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	2	2.8	6
JUNIPER	8	15.1	10

Q93JT152

10-28-1993

AVE VOL  
PER PLOT  
39.3

SAMPLING ERROR  
(AS A % OF MEAN)  
78.5

COEF VAR  
(SD/MEAN)  
1.1

AVERAGE VOLUME PER ACRE  
%1573.8

ESTIMATED TOTAL VOLUME  
1574

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1573.8

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	17	11.7	9

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT @93JT1053 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	12.5						10.0
Jumo	11.0						9.0

↑  
OPUNTIA MARK

PLOT @93JT1054 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
JUMO	22.7	9.7				(32.4)	14.0
PIED	2.5						8.0
JUMO	2.5						4.5
Jumo	1.5						3.5
Jumo	15.1						12.5
Jumo	1.0	1.0				(2)	3.0
Jumo	2.5	1.0				(3.5)	5.0
PIED	3.9						9.5
PIED	3.5	2.2				(5")	10.0
Jumo	7.2						6.5

PIED < 1.5"  
 JUMO < 1.5"

PIED < 1.5"  
 JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)							HEIGHT (Ft.)
Jumo	6.0	4.5	3.2	4.2	3.5	3.4		10.0
<del>Jumo</del>	2.1	2.1			(2")			

QUAD B

SPECIES CODE	DRC/EDRC (Inches)							HEIGHT (Ft.)
JUMO	2.5	2.0	3.1	7.2	4.1	3.5		9.0
<del>JUMO</del>	2.0						(24.4)	
PIED	3.0							11.0
PIED	2.5							4.0

PIED < 1.5"  
 JUMO < 1.5"

PIED < 1.5"  
 JUMO < 1.5"

Q93JT153

10-29-1993

AVE VOL PER PLOT 14.3	SAMPLING ERROR (AS A % OF MEAN) 56.3	COEF VAR (SD/MEAN) 0.8
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AVERAGE VOLUME PER ACRE 573.6	ESTIMATED TOTAL VOLUME 574
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 573.6
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	3	17.5	10

Q93JT154

10-29-1993

AVE VOL PER PLOT 60.3	SAMPLING ERROR (AS A % OF MEAN) 52.8	COEF VAR (SD/MEAN) 0.8
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %2412.0	ESTIMATED TOTAL VOLUME 2412
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 53.5	ESTIMATED TOTAL JUNIPER VOLUME 2358.5
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	10	3.5	9
JUNIPER	16	11.1	7

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1055 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	4.1 3.7 4.2 2.1 .9 2.5	18.5

Jumo	4.2 3.5 3.9 6.7 1.9 20.2	10.0
PIED	2.7	9.5
Jumo	4.0 4.7	9.0
PIED	1.0 .3 .9 .1 .5 .9 2.7	2.5
Jumo	7.6 6.9	13.5
PIED	3.6	10.5
Jumo	6.5 2.0	13.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	18.6 2.0 1.0 21.6	11.0
PIED	1.5	6.0
Jumo	1.0 1.0 2	4.0
Jumo	1.5	3.0
Jumo	1.5	4.0
Jumo	1.5	3.0
Jumo	5.3	6.0
Jumo	9.1	10.0
Jumo	11.4 4.0 15.4	10.0
Jumo	3.5 1.8 5.3	9.0
PIED	3.4	8.0
Jumo	3.5	3.0
Jumo	3.2	4.5

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1056 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	3.5 2.5 6.2 3.5 15.7	8.5
PIED	4.5	8.0
Jumo	5.6 5.4 2.1 .9 .9 2.1 17	10.0
Jumo	13.6 11.9 25.5	12.0
Jumo	2.8	5.5
PIED	2.5	8.0


PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	10.9	10.5
PIED	3.6 2.5 6.1	8.5
PIED	1.9	4.0
Jumo	19.8 HALF IN HALF OUT	14.0
PIED	1.8	4.0
Jumo	10.8	8.5
Jumo	15.6 4.0 19.6	13.0
PIED	1.5	6.0

PIED < 1.5"  
JUMO < 1.5"

QUAD A ↑  
\*  
QUAD B ↓

Q93JT155

10-29-1993

AVE VOL PER PLOT 23.2	SAMPLING ERROR (AS A % OF MEAN) 73.0	COEF VAR (SD/MEAN) 1.1
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AVERAGE VOLUME PER ACRE 929.7	ESTIMATED TOTAL VOLUME 930
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 11.5	ESTIMATED TOTAL JUNIPER VOLUME 918.2
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	5	3.0	7
JUNIPER	16	8.7	8

Q93JT156

10-29-1993

AVE VOL PER PLOT 33.4	SAMPLING ERROR (AS A % OF MEAN) 2.2	COEF VAR (SD/MEAN) 0.0
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AVERAGE VOLUME PER ACRE %1334.4	ESTIMATED TOTAL VOLUME 1334
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 21.8	ESTIMATED TOTAL JUNIPER VOLUME 1312.6
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	6	3.1	6
JUNIPER	8	15.3	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1057 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.8	12.5

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1058 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
10.4	11.0
1.0	4.0
8.8 3.1 3.0 2.8 (11.1)	8.5
3.0	6.5

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo 10.8	13.5
PIED 3.9	5.0
PIED 3.1	6.0
PIED 2.5	6.0
JUMO 15.8	13.5
PIED 3.7	7.5
PIED 3.7	8.0
Jumo 16.4	13.0
Jumo 10.2 18.6 (28.8)	12.5
Jumo 5.7	10.0
Jumo 6.3	10.0

PIED < 1.5"

JUMO < 1.5" ✂



Q93JT157

10-29-1993

AVE VOL  
PER PLOT  
5.2

SAMPLING ERROR  
(AS A % OF MEAN)  
66.4

COEF VAR  
(SD/MEAN)  
1.0

AVERAGE VOLUME PER ACRE  
207.6

ESTIMATED TOTAL VOLUME  
208

ESTIMATED TOTAL PINYON VOLUME  
1.8

ESTIMATED TOTAL JUNIPER VOLUME  
205.9

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	3.0	7
JUNIPER	4	9.2	9

Q93JT158

10-29-1993

AVE VOL  
PER PLOT  
25.6

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
%1024.5

ESTIMATED TOTAL VOLUME  
1024

ESTIMATED TOTAL PINYON VOLUME  
13.4

ESTIMATED TOTAL JUNIPER VOLUME  
1011.1

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	5	3.4	7
JUNIPER	6	14.0	12

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1059 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	2.5	2.5	3.2	3.1	3.5	4.0	9.0
Jumo	2.7	2.8	2.7	1.4			8.0
Jumo	4.6	3.5	1.2	1.0			9.0
Jumo	2.1	.4	1.1	.5			4.5
PIED	4.5						9.0
Jumo	4.3	2.9	1.9	2.2			9.0
PIED	1.5						3.5
PIED	4.5						11.0
Jumo	6.5	6.2	4.5	3.5	3.0		10.5
PIED	1.8						6.0
PIED	1.8						6.0
Jumo	3.5	.5	2.0				7.0
Jumo	12.9						11.5
Jumo	3.2						9.0
Jumo	3.0						5.0
PIED < 1.5"							
JUMO < 1.5"							

PLOT Q93JT1060 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	3.8						6.5
Jumo	3.1						5.0
Jumo	2.0						5.0
Jumo	3.5	1.8	1.8	2.2			10.5
Jumo	3.5	2.1	2.1				8.0
Jumo	1.5						5.0
Jumo	12.6						11.0
Jumo	3.5	1.9	4.2	4.5			7.5
Jumo	4.2						
PIED	2.5						8.5
PIED	2.5						6.0
Jumo	3.4	3.3	3.0	1.9	1.5		8.0
PIED < 1.5"							
JUMO < 1.5"							

QUAD B

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
PIED	2.0						4.5
Jumo	1.5						3.0
Jumo	3.5						6.0
Jumo	5.9						10.0
Jumo	10.9						10.5
Jumo	3.9						8.5
Jumo	3.5						8.5
Jumo	2.0						5.5
Jumo	3.0						8.0
Jumo	3.1	1.9					7.5
Jumo	2.9	1.7	2.5	4.0	3.7	1.5	8.0
<del>Jumo</del>	1.9						
Jumo	8.3						9.5
PIED < 1.5"							
JUMO < 1.5"							

QUAD B

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	6.4						8.0
Jumo	5.8						8.0
Jumo	12.9						14.0
PIED	3.2						10.5
Jumo	5.1	4.7	5.9	3.9	1.5		12.0
Jumo	2.9						8.0
PIED	5.7						17.0
Jumo	2.8	1.1					5.0
Jumo	1.6	1.7					6.0
Jumo	15.2						16.0
Jumo	3.6	3.4	4.5				7.5
Jumo	6.2	5.8	5.4	1.0	6.4		15.0
PIED < 1.5"							
JUMO < 1.5"							

Q93JT159

10-29-1993

AVE VOL PER PLOT 23.1	SAMPLING ERROR (AS A % OF MEAN) 47.6	COEF VAR (SD/MEAN) 0.7
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AVERAGE VOLUME PER ACRE 923.1	ESTIMATED TOTAL VOLUME 923
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 16.7	ESTIMATED TOTAL JUNIPER VOLUME 906.4
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	6	2.7	7
JUNIPER	21	8.0	8

Q93JT160

10-29-1993

AVE VOL PER PLOT 35.8	SAMPLING ERROR (AS A % OF MEAN) 62.2	COEF VAR (SD/MEAN) 0.9
-----------------------------	--	------------------------------

*one tree entered  
with no height*

AVERAGE VOLUME PER ACRE %1431.1	ESTIMATED TOTAL VOLUME 1431
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 33.9	ESTIMATED TOTAL JUNIPER VOLUME 1397.2
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	3.5	11
JUNIPER	20	8.9	8

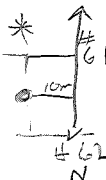
Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1061 Record            Read           

PLOT 093JT1062 Record            Read           

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.6	8.0
Jumo	1.9	7.5
Jumo	6.1 8.6 4.2 2.2 2.1 3.3	13.0
<del>X</del>	3.1	29.6
Jumo	1.5	4.0
PIED	1.6	2.0
PIED	1.6	6.0
Jumo	15.6 * PRUNER SPLIT BY 10m line	13.0
Jumo	2.0	3.5
Jumo	1.9	6.0
Jumo	3.5 1.9 2.5	6.5
Jumo	12.7 3.5 6.2 2.1 4.1 2.9	13.0
		31.5

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		



PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

QUAD B \*SEE REVERSE SIDE

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	8.5	12.0
Jumo	10.3 2.0	13.5
PIED	2.1	11.5
Jumo	7.7	10.5
Jumo	2.0 1.8	6.0
Jumo	3.5 2.0 2.0 1.9	9.5
Jumo	3.5 1.9 2.6	8.5
Jumo	3.6 3.4 2.0 1.9 3.6 1.8	9.0
<del>X</del>	2.4 1.5	20.2
Jumo	4.7 4.4 2.1 3.9	10.5
PIED	2.8	10.5
PIED	2.9	10.5
PIED	6.6	12.0

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	13.9	11.5

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

(B)

A

Q93JT161

10-29-1993

AVE VOL PER PLOT 67.5	SAMPLING ERROR (AS A % OF MEAN) 6.7	COEF VAR (SD/MEAN) 0.1
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AVERAGE VOLUME PER ACRE %2700.2	ESTIMATED TOTAL VOLUME 2700
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 32.5	ESTIMATED TOTAL JUNIPER VOLUME 2667.7
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	7	2.8	9
JUNIPER	19	12.0	9

Q93JT162

10-29-1993

AVE VOL PER PLOT 2.7	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 107.4	ESTIMATED TOTAL VOLUME 107
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 107.4
--------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	13.9	12

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1063 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	5.9	9.0
Jumo	16.2 3.8 2.5 (22.5)	12.0
Jumo	4.1 3.0 3.6 2.1 (2.8)	9.0

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1064 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo 36.2	17.0
Jumo 1.7	4.0
Jumo 3.0	5.5
Jumo 2.0 2.0 (4)	4.0
Jumo 2.7	5.0
Jumo 3.8	12.5
Jumo 5.5	12.5
Jumo 4.1 3.2 4.2 (11.5)	12.0
Jumo 5.5 2.1 (7.6)	12.0

PIED < 1.5"  
JUMO < 1.5"

Q93JT163

10-29-1993

AVE VOL PER PLOT 9.8	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 392.5	ESTIMATED TOTAL VOLUME 392
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 392.5
--------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	3	13.7	10

Q93JT164

10-29-1993

AVE VOL PER PLOT 32.9	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1314.4	ESTIMATED TOTAL VOLUME 1314
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1314.4
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	9	8.4	9

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1065 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		

PIED < 1.5"

JUMO < 1.5"

PLOT 093JT1066 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
$\emptyset$		

PIED < 1.5"

JUMO < 1.5"





Q93JT168

10-29-1993

AVE VOL  
PER PLOT  
0.3

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
11.5

ESTIMATED TOTAL VOLUME  
11

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
11.5

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	5.6	9



Q93JT170

10-29-1993

AVE VOL PER PLOT 78.0	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE  
%3118.7

ESTIMATED TOTAL VOLUME  
3119

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
3118.7

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	74.4	13



Q93JT172

10-29-1993

AVE VOL  
PER PLOT  
0.2

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
7.7

ESTIMATED TOTAL VOLUME  
8

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
7.7

SAMPLE TREE AVERAGES

NUMBER OF TREES

DIAMETER

HEIGHT

PINYON

0

0.0

0

JUNIPER

1

5.1

8



Q93JT173

10-29-1993

AVE VOL  
PER PLOT  
0.2

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
8.4

ESTIMATED TOTAL VOLUME  
8

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
8.4

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
--	-----------------	----------	--------

PINYON	0	0.0	0
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JUNIPER	2	4.0	5
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Q93JT174

10-29-1993

AVE VOL  
PER PLOT  
35.6

SAMPLING ERROR  
(AS A % OF MEAN)  
95.7

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
%1422.9

ESTIMATED TOTAL VOLUME  
1423

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1422.9

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
--	-----------------	----------	--------

PINYON	0	0.0	0
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JUNIPER	2	27.3	10
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Q93JT131

10-28-1993

AVE VOL PER PLOT 28.2	SAMPLING ERROR (AS A % OF MEAN) 8.6	COEF VAR (SD/MEAN) 0.1
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AVERAGE VOLUME PER ACRE %1127.2	ESTIMATED TOTAL VOLUME 1127
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1127.2
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	11	13.6	10

Q93JT132

10-28-1993

AVE VOL PER PLOT 3.1	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 122.5	ESTIMATED TOTAL VOLUME 122
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME -1.0	ESTIMATED TOTAL JUNIPER VOLUME 123.5
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.0	4
JUNIPER	1	16.7	9

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93J71033 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	29.9	16.0
Jumo	3.0 1.8 .8 <span>(5.6)</span>	5.0
Jumo	3.8	5.0
Jumo	3.7 .6 6.1 <span>(10.4)</span>	9.0

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93J71034 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del>Ø</del>		

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	5.6	9.5
Jumo	20.4 (AT 10m 1/2 in 1/2 out)	16.5
Jumo	2.8	3.5
Jumo	3.9 2.4 4.0 .4 2.2 2.4	8.5
<del>X</del>	3.7 2.9 4.2 2.0 <span>(28.1)</span>	
Jumo	7.6 7.4 <span>(5)</span>	9.0
Jumo	3.2 3.0 3.1 5.1 3.4 <span>(17.8)</span>	9.5

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.2 7.6 2.1 3.5 2.8 2.9	13.5
<del>X</del>	2.9 6.3 6.6 2.0 <span>(42.9)</span>	

PIED < 1.5"  
JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1075 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<u>Ø</u>		

PIED < 1.5"  
JUMO < 1.5"

PLOT \_\_\_\_\_ Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
<u>4.7.</u>	<u>8.5</u>
<u>2.7</u>	<u>7.5</u>

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

Q93JT175

10-29-1993

AVE VOL  
PER PLOT  
0.2

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
9.1

ESTIMATED TOTAL VOLUME  
9

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
9.1

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	3.7	8

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

3

PLOT 093JT2001 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	14.6 7.1 7.3 <sup>29</sup>	16.0
PIED	3.5	10.0
Jumo	12.9	14.0

PIED < 1.5"

JUMO < 1.5"

2

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	9.3	10.0
Jumo	3.2	7.5

PIED < 1.5"

JUMO < 1.5"

PLOT 093JT2002 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	25.1 6.5 <sup>31.6</sup>	15.0
Jumo	19.3	15.5
Jumo	13.9 DEAD	12.0
Jumo	4.1	8.5
Jumo	3.5	8.5
Jumo	4.3 1.8 <sup>6.1</sup>	9.0
Jumo	2.9 2.8 1.0 5.1 <sup>11.8</sup>	9.0
Jumo	21.4	14.5

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	9.3	10.0
Jumo	15.2	12.0
Jumo	10.2 2.1 3.2 <sup>15.6</sup>	10.5
Jumo	5.3	8.0
Jumo	3.6 2.4 1.3 <sup>7.3</sup>	11.0
Jumo	11.4	11.0

PIED < 1.5"

JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT2003 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	12.8	9.0
Jumo	22.6	18.5
Jumo	3.3 8.6 3.2 (16.1)	11.5

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT2004 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.0 12.6 (16.6)	10.0
Jumo	3.6	7.5
Jumo	7.8 2.6 7.1 (17.5)	9.0
Jumo	4.3	8.5
Jumo	4.2	7.0
Jumo	7.1 9.1 3.5 6.2 15.9	14.0
Jumo	11.8	13.0
Jumo	2.4	7.0
Jumo	5.8	9.5
Jumo	5.8	10.5
Jumo	4.5	6.5
Jumo	4.2	6.5
Jumo	4.0	8.0
Jumo	4.2	9.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

3

14

jt201

04-12-1994

AVE VOL  
PER PLOT  
21.4

SAMPLING ERROR  
(AS A % OF MEAN)  
88.2

COEF VAR  
(SD/MEAN)  
1.3

AVERAGE VOLUME PER ACRE  
854.9

ESTIMATED TOTAL VOLUME  
855

ESTIMATED TOTAL PINYON VOLUME  
5.0

ESTIMATED TOTAL JUNIPER VOLUME  
849.9

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	3.5	10
JUNIPER	4	13.6	12

jt202

04-12-1994

AVE VOL  
PER PLOT  
52.0

SAMPLING ERROR  
(AS A % OF MEAN)  
61.2

COEF VAR  
(SD/MEAN)  
0.9

AVERAGE VOLUME PER ACRE  
2079.7

ESTIMATED TOTAL VOLUME  
2080

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
2079.7

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	14	12.6	11

jt203

04-12-1994

AVE VOL  
PER PLOT  
19.1

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93T2005 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT Q93T2006 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	12.3	13.0
Jumo	5.6	7.5
Jumo	5.3 5.3 3.5 10.3 (26.4)	15.0
Jumo	10.2	13.0
Jumo	10.6	7.0

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
(Symbol)		

5

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	24.2 DEAD	19.0
Jumo	10.5 15.7 (26.2)	15.0
Jumo	4.1	6.0
Jumo	14.1	16.0
Jumo	8.8 7.2 (16)	11.5
Jumo	1.5	3.5

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.3 3.2 7.1 7.9 6.1 (28.1)	11.5
Jumo	7.9	11.5
Jumo	6.2	14.0
Jumo	9.0 9.1 (18.1)	11.0
Jumo	4.1 2.9 5.3 (12.3)	9.5

6

5

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"



jt205

04-13-1994

AVE VOL PER PLOT 54.7	SAMPLING ERROR (AS A % OF MEAN) 37.8	COEF VAR (SD/MEAN) 0.5
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AVERAGE VOLUME PER ACRE %2188.1	ESTIMATED TOTAL VOLUME 2188
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 2188.1
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	11	13.6	12

jt206

04-13-1994

AVE VOL PER PLOT 19.3	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 770.9	ESTIMATED TOTAL VOLUME 771
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 770.9
--------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	5	14.5	12

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 93JT2007 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT 93JT2008 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	15.8	18.5
Jumo	4.0 .1 2.8 DEAD (6.9)	9.5
PIED	2.9	8.5
Jumo	11.6 8.1 (19.7)	14.5
PIED	5.6	16.0
Jumo	8.1	11.0
Jumo	8.4	12.0
PIED	1.4	9.5
PIED	6.5	11.5
Jumo	2.4 2.5 3.5 3.6 2.8 (14.8)	10.0
Jumo	7.3 2.5 6.5 2.0 2.0 4.5	13.5
<del>X</del>	2.8 6.9 1.0 1.1 (36.6)	
Jumo	.9 .9 .5 (2.3)	2.5

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.4 4.4 2.4 2.5 2.6 3.1 (16.4)	7.5
Jumo	18.2	15.0
Jumo	3.0 3.1 5.6 8.1 10.1 (29.9)	16.5

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.3 5.9 2.8 (34)	16.5

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

12

3

jt207

04-13-1994

AVE VOL PER PLOT 65.4	SAMPLING ERROR (AS A % OF MEAN) 27.3	COEF VAR (SD/MEAN) 0.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE  
%2617.3

ESTIMATED TOTAL VOLUME  
2617

ESTIMATED TOTAL PINYON VOLUME  
50.8

ESTIMATED TOTAL JUNIPER VOLUME  
2566.5

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	4.1	11
JUNIPER	9	16.3	12

jt208

04-13-1994

AVE VOL PER PLOT 28.7	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE  
%1148.0

ESTIMATED TOTAL VOLUME  
1148

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1148.0

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	3	22.2	13

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT2009 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT 093JT2010 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	7.8	12.0
PIED	33	12.0
Jumo	1.2 5.1 3.3 3.6 5.3 5.4	10.0
	(23.9)	

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5" °

PIED < 1.5"

JUMO < 1.5" °

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	14.6	17.0
Jumo	10.3 2.1 1.0 (13.4)	11.0
PIED	1.0	4.0
Jumo	9.4	13.0

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.9 9.3 3.1 2.9 2.8 3.1 (29.1)	11.5
Jumo	5.6 5.0 3.2 .5 (14.3)	13.0
PIED	1.4	6.5
Jumo	1.6 1.9 .4 .4 .1 .1	8.0
<del>X</del>	.4 (4.9)	
Jumo	9.7 2.0 (11.7)	13.0
Jumo	1.5	5.0
Jumo	2.0 1.5 (4.3)	7.0

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

3  
700  
B A  
0

4

7

jt209

04-13-1994

AVE VOL PER PLOT 16.6	SAMPLING ERROR (AS A % OF MEAN) 1.6	COEF VAR (SD/MEAN) 0.0
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AVERAGE VOLUME PER ACRE 663.5	ESTIMATED TOTAL VOLUME 664
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ESTIMATED TOTAL PINYON VOLUME 41.5	ESTIMATED TOTAL JUNIPER VOLUME 622.0
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	4.0	9
JUNIPER	4	15.3	13

jt210

04-13-1994

AVE VOL PER PLOT 18.1	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 723.1	ESTIMATED TOTAL VOLUME 723
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ESTIMATED TOTAL PINYON VOLUME -0.6	ESTIMATED TOTAL JUNIPER VOLUME 723.7
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.4	7
JUNIPER	6	11.0	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 93JT2011 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	15.8	16
Jumo	1.5 2.1 .8 1.0 (5.4)	4.0
Jumo	1.1 .3 (1.4)	4.0
Jumo	3.2	9.0
PIED	4.2	9.0
Jumo	3.0 3.0 1.9 (7.9)	7.0
PIED	3.6	7.5

PLOT 93JT2012 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.2 3.4 7.5 7.8 (25.9)	13.5

PIED < 1.5" °  
 JUMO < 1.5" °

PIED < 1.5"  
 JUMO < 1.5" °

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	2.1 9.5 4.8 7.0 8.0 5.7	14
<del>X</del>	4.0 (41.1)	
Jumo	3.2 9.0 8.7 8.8 4.8 4.0	15.0
<del>X</del>	2.5 2.7 (43.7)	
Jumo	1.6	9.0

PIED < 1.5" °  
 JUMO < 1.5" °

PIED < 1.5" °  
 JUMO < 1.5" ° °

7

1

3

jt211

04-13-1994

AVE VOL PER PLOT 6.1	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 243.4	ESTIMATED TOTAL VOLUME 243
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 10.6	ESTIMATED TOTAL JUNIPER VOLUME 232.8
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	2	3.9	8
JUNIPER	5	6.7	8

jt212

04-13-1994

AVE VOL PER PLOT 74.2	SAMPLING ERROR (AS A % OF MEAN) 65.5	COEF VAR (SD/MEAN) 1.0
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AVERAGE VOLUME PER ACRE %2968.9	ESTIMATED TOTAL VOLUME 2969
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 2968.9
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	4	28.1	13

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT 2013 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Juma	15.0 6.3 6.0 18.0 11.0 <u>57.1</u>	13.0
PIED	2.0	11.0

PIED < 1.5"  
JUMO < 1.5"

PLOT QJT 2014 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<u>∅</u>		

PIED < 1.5"  
JUMO < 1.5"

2

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Juma	4.8 2.0 1.9 1.5 1.0 2.3	6.5
<del>X</del>	2.4 1.0 1.8 <u>19.5</u>	

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<u>∅</u>		

PIED < 1.5"  
JUMO < 1.5"

1



jt213

04-13-1994

AVE VOL  
PER PLOT  
50.6

SAMPLING ERROR  
(AS A % OF MEAN)  
86.9

COEF VAR  
(SD/MEAN)  
1.3

AVERAGE VOLUME PER ACRE  
%2023.1

ESTIMATED TOTAL VOLUME  
2023

ESTIMATED TOTAL PINYON VOLUME  
1.0

ESTIMATED TOTAL JUNIPER VOLUME  
2022.0

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	2.0	11
JUNIPER	2	38.3	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT2015 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"  
 JUMO < 1.5"

PLOT QJT2016 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"  
 JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"  
 JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	4.0 2.0 4.2 5.0 5.2 6.5	15.0
<del> </del>	5.0 6.1 2.0 4.2 13.2 3.2	
<del> </del>	6.5 6.5 (67.1)	
PIED	3.0	15.0
JUMO	2.1	4.5
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PIED < 1.5"  
 JUMO < 1.5"

jt216

04-13-1994

AVE VOL  
PER PLOT  
73.6

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
%2944.5

ESTIMATED TOTAL VOLUME  
2945

ESTIMATED TOTAL PINYON VOLUME  
5.6

ESTIMATED TOTAL JUNIPER VOLUME  
2938.9

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	3.0	15
JUNIPER	2	34.6	10

jt217

04-13-1994

AVE VOL  
PER PLOT  
49.1

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
%1965.3

ESTIMATED TOTAL VOLUME  
1965

ESTIMATED TOTAL PINYON VOLUME  
16.5

ESTIMATED TOTAL JUNIPER VOLUME  
1948.8

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	4.8	15
JUNIPER	1	55.6	14

PLOT QJT2017 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE      DRC/EDRC (Inches)      HEIGHT (Ft.)

Jumo	7.8 5.0 6.1 3.0 5.0 11.2	14.0
<del> </del>	2.1 4.2 2.0 9.2 (55.6)	
<del> </del>		
PIED	4.8	15.0

PIED < 1.5"  
JUMO < 1.5"

PLOT QJT2018 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE      DRC/EDRC (Inches)      HEIGHT (Ft.)

∅		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE      DRC/EDRC (Inches)      HEIGHT (Ft.)

∅		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE      DRC/EDRC (Inches)      HEIGHT (Ft.)

Jumo	7.8 4.0 6.3 6.0 4.8 4.5	10.0
<del> </del>	3.0 3.1 3.3 3.8 4.2 3.0	
<del> </del>	8.2 4.0 6.8 (72.8)	
Jumo	1.5	5.5
PIED	1.5 1.0 (2.5)	8.0

PIED < 1.5"  
JUMO < 1.5"

2

3

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QTT2019 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
PIED	3.1						8.0
PIED	1.5						5.5
Jumo	4.6	3.4	1.0	2.0	1.6	4.5	13.0
<del>PIED</del>	2.2	3.2	1.5	(24)			
Jumo	1.7						6.0
Jumo	2.2	1.7	1.0	(4.9)			6.0
Jumo	9.0	4.2	6.3	5.0	3.8	3.0	13.0
<del>PIED</del>	4.0	7.3	7.4	(50)			
Jumo	1.5	1.5	(3)				5.6
Jumo	1.5						5.0
Jumo	1.5						5.0

\* Assumption buried equals NEW  
INDIVIDUALS. Separation of >20cm

PIED < 1.5"

JUMO < 1.5"  $\frac{2}{6}$

QUAD B SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
$\emptyset$							

PIED < 1.5"

JUMO < 1.5"

PLOT QTT2020 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
$\emptyset$							

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
$\emptyset$							

PIED < 1.5"

JUMO < 1.5"

9

jt218

04-13-1994

AVE VOL PER PLOT 58.7	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %2347.4	ESTIMATED TOTAL VOLUME 2347
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 1.3	ESTIMATED TOTAL JUNIPER VOLUME 2346.1
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	2.5	8
JUNIPER	2	37.2	8

jt219

04-13-1994

AVE VOL PER PLOT 47.8	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %1912.3	ESTIMATED TOTAL VOLUME 1912
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 2.1	ESTIMATED TOTAL JUNIPER VOLUME 1910.2
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	2	2.3	7
JUNIPER	7	12.4	8

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT JT2021 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT JT2022 Record \_\_\_\_\_ Read \_\_\_\_\_

**QUAD A**

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del>Ø</del>		

**QUAD A**

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del>Ø</del>		

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

**QUAD B**

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	2.5 7.5 6.0 8.1 4.2 8.3	14.5
<del>X</del>	2.0 5.0 5.0 <u>48.6</u>	
PIED	2.2	9.0

**QUAD B**

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.7 4.7 2.0 4.3 2.1 4.0	12.0
<del>X</del>	1.5 4.0 1.6 5.0 5.0 1.5	
<del>X</del>	1.0 3.3 2.0 3.0 5.4 2.4	
<del>X</del>	4.0 4.1 2.2 2.4 <u>69.2</u>	

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

2

1

jt221

04-13-1994

AVE VOL PER PLOT 39.5	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1578.6	ESTIMATED TOTAL VOLUME 1579
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 1.0	ESTIMATED TOTAL JUNIPER VOLUME 1577.6
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	2.2	9
JUNIPER	1	48.6	15

jt222

04-13-1994

AVE VOL PER PLOT 63.2	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %2528.4	ESTIMATED TOTAL VOLUME 2528
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 2528.4
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	69.2	12



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT2023 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
JUMO	3.3	3.3	4.2	4.0	3.0	1.0	14.5
<del>X</del>	3.5	5.0	3.0	3.8	3.1	6.5	
<del>X</del>	6.9	2.8	4.0	2.4	2.0	4.1	
<del>X</del>	7.8			(73.7)			
PIED	1.5						3.0

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Ø							

PIED < 1.5"

JUMO < 1.5"

PLOT QJT2024 Record \_\_\_\_\_ Read \_\_\_\_\_

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Ø							

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Ø							

PIED < 1.5"

JUMO < 1.5"

2

PLOT QT2025 Record \_\_\_\_\_ Read \_\_\_\_\_

**QUAD A**  
SPECIES CODE                      DRC/EDRC (Inches)                      HEIGHT (Ft.)

Ø	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
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	_____	_____
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	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

PIED < 1.5"

JUMO < 1.5"

PLOT QT2026 Record \_\_\_\_\_ Read \_\_\_\_\_

**QUAD A**  
SPECIES CODE                      DRC/EDRC (Inches)                      HEIGHT (Ft.)

Ø	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
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	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

PIED < 1.5"

JUMO < 1.5"

**QUAD B**  
SPECIES CODE                      DRC/EDRC (Inches)                      HEIGHT (Ft.)

Ø	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
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	_____	_____
	_____	_____

PIED < 1.5"

JUMO < 1.5"

**QUAD B**  
SPECIES CODE                      DRC/EDRC (Inches)                      HEIGHT (Ft.)

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PIED < 1.5"

JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 05T2027 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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	_____	_____

PIED < 1.5"  
JUMO < 1.5"

PLOT 05T2028 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
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	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
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	_____	_____
	_____	_____

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅	_____	_____
	_____	_____
	_____	_____
	_____	_____
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PIED < 1.5"  
JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QIT2029 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

PLOT QIT2030 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	8.0 5.0 1.6 2.1 1.5 3.5	10.5
<del>X</del>	3.0 2.1 3.2 2.0 3.0 1.1	
<del>X</del>	1.0 4.0	41.1
JUMO	3.8 1.0 4.0 3.6 5.0 3.9	9.5
<del>X</del>	1.0 9.0 2.4 2.5 2.7 2.0	
<del>X</del>	1.5	42.4

2

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"

JUMO < 1.5"

jtt223

04-13-1994

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
84.9	97.5	1.4

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
%3394.3	3394

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
-0.9	3395.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.5	3
JUNIPER	1	73.7	15

jtt230

04-13-1994

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
43.5	97.5	1.4

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
%1741.4	1741

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
0.0	1741.4

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	41.8	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT2031 Record \_\_\_\_\_ Read \_\_\_\_\_

**QUAD A**  
SPECIES CODE      DRC/EDRC (Inches)      HEIGHT (Ft.)

∅		

PIED < 1.5"

JUMO < 1.5"

**QUAD B**  
SPECIES CODE      DRC/EDRC (Inches)      HEIGHT (Ft.)

∅		

PIED < 1.5"

JUMO < 1.5"

PLOT QJT2032 Record \_\_\_\_\_ Read \_\_\_\_\_

**QUAD A**  
SPECIES CODE      DRC/EDRC (Inches)      HEIGHT (Ft.)

Jumo	16.9								13.0
Jumo	4.2	2.0	3.5	5.5	1.8	3.7			10.0
<del>X</del>	1.0	3.8	3.8	2.0	1.1	3.0			
<del>X</del>	2.2	3.8	2.8		44.2				

PIED < 1.5"

JUMO < 1.5"

**QUAD B**  
SPECIES CODE      DRC/EDRC (Inches)      HEIGHT (Ft.)

∅									

PIED < 1.5"

JUMO < 1.5"

2

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT JT2033 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
 JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
 JUMO < 1.5"

PLOT JT2034 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	6.5 1.0 3.0 3.6 7.4 5.0	13.0
<del>X</del>	3.4	29.9
PIED	1.0	4.0

PIED < 1.5"  
 JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
 JUMO < 1.5"

2

jt232

04-13-1994

AVE VOL PER PLOT 29.0	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1158.4	ESTIMATED TOTAL VOLUME 1158
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1158.4
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	30.5	12

jt234

04-13-1994

AVE VOL PER PLOT 15.3	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 610.4	ESTIMATED TOTAL VOLUME 610
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME -1.0	ESTIMATED TOTAL JUNIPER VOLUME 611.4
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.0	4
JUNIPER	1	29.9	13



PLOT QJT2035 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

PLOT QJT2036 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT 2039 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

PLOT QJT 2040 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT JT2041 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUM0	1.0	2.0

PIED < 1.5"

JUMO < 1.5"

PLOT JT2042 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del> </del>		

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del> </del>		

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del> </del>		

PIED < 1.5"

JUMO < 1.5"

jt237

04-13-1994

AVE VOL PER PLOT 34.1	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1362.4	ESTIMATED TOTAL VOLUME 1362
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME -1.0	ESTIMATED TOTAL JUNIPER VOLUME 1363.4
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.0	4
JUNIPER	2	32.6	13

jt241

04-13-1994

AVE VOL PER PLOT -0.0	SAMPLING ERROR (AS A % OF MEAN) -97.5	COEF VAR (SD/MEAN) -1.4
-----------------------------	---	-------------------------------

AVERAGE VOLUME PER ACRE -0.6	ESTIMATED TOTAL VOLUME -1
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME -0.6
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	1.0	2

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QTT 2043 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del>Ø</del>		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.1 4.1 2.9 5.3 3.2 5.0	13.0
<del>X</del>	3.5 5.1 6.8 5.5 2.0 1.1	
<del>X</del>	4.6          (52.2)	

PIED < 1.5"

JUMO < 1.5"

PLOT QTT 2044 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del>Ø</del>		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del>Ø</del>		

PIED < 1.5"

JUMO < 1.5"

jt243

04-13-1994

AVE VOL  
PER PLOT  
40.7

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
%1626.1

ESTIMATED TOTAL VOLUME  
1626

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1626.1

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	52.2	13





jt246a

04-13-1994

AVE VOL PER PLOT 73.4	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %2935.3	ESTIMATED TOTAL VOLUME 2935
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 2935.3
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	4	29.5	12

jt246b

04-13-1994

AVE VOL PER PLOT 101.5	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
------------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %4059.2	ESTIMATED TOTAL VOLUME 4059
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 4059.2
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	59.0	13

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT 2047 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE          DRC/EDRC (Inches)          HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

PLOT QJT 2048 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE          DRC/EDRC (Inches)          HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE          DRC/EDRC (Inches)          HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE          DRC/EDRC (Inches)          HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT2049 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	1.5	2.5

PIED < 1.5"

JUMO < 1.5"

PLOT QJT2050 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
<del> </del>		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	2.0 .5 .5 .5 <u>3.5</u>	3.0

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.1 2.0 1.8 .8 .4 1.0	8.0
<del> </del>	1.8 5.2 <u>17.1</u>	

PIED < 1.5"

JUMO < 1.5"

jtt249

04-13-1994

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
-0.0	-44.8	-0.7

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
-1.5	-1

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
0.0	-1.5

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	2.5	3

jtt250

04-13-1994

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
2.6	97.5	1.4

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
103.2	103

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
0.0	103.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	17.1	8

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT2051 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		13.0
		11.0
		11.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

PLOT QJT2052 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.5	13.0
Jumo	11.9 4.4 4.6 4.2	(25.1)
Jumo	5.2 4.9 4.3 2.8 1.0 3.0	
<del>X</del>	.9 .5	(22.6)

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.1 4.8 6.4 2.8 3.1 3.1
<del>X</del>	4.1 4.0

PIED < 1.5"  
JUMO < 1.5"

3

1

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT2053 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

PLOT QJT2054 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	20.48.1	28.5 16.0
JUMO	3.4	6.8
PIED	3.0 1.5	4.5 7.0
PIED	3.8	11.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	4.2 10.0

PIED < 1.5"  
JUMO < 1.5"

4



jt252

04-13-1994

AVE VOL PER PLOT 32.3	SAMPLING ERROR (AS A % OF MEAN) 5.6	COEF VAR (SD/MEAN) 0.1
-----------------------------	---	------------------------------

AVERAGE VOLUME PER ACRE %1290.6	ESTIMATED TOTAL VOLUME 1291
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1290.6
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	4	21.7	12

jt254

04-13-1994

AVE VOL PER PLOT 17.5	SAMPLING ERROR (AS A % OF MEAN) 95.3	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 698.3	ESTIMATED TOTAL VOLUME 698
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 20.6	ESTIMATED TOTAL JUNIPER VOLUME 677.7
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	4.2	9
JUNIPER	2	15.9	11

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

2

PLOT 0JT2055 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	7.3	15.0
Jumo	4.0 6.1 5.4 5.0 4.4 (24.9)	8.0

PIED < 1.5"  
JUMO < 1.5"

PLOT 0JT2056 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.5 2.2 8.2 5.6 (20.5)	13.5
Jumo	14.0	13.0
JUMO	3.7	7.0
JUMO	1.5	2.0
Jumo	7.3 3.6 (10.9)	13.0
Jumo	3.0	4.0

PIED < 1.5"  
JUMO < 1.5"

6

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"



jt255

04-13-1994

AVE VOL PER PLOT 7.2	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 289.0	ESTIMATED TOTAL VOLUME 289
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 40.9	ESTIMATED TOTAL JUNIPER VOLUME 248.1
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	7.3	15
JUNIPER	1	24.9	8

jt256

04-13-1994

AVE VOL PER PLOT 12.2	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 486.6	ESTIMATED TOTAL VOLUME 487
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 486.6
--------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	6	8.9	9

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

3

PLOT QJT 2057 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)
PIED	6.6			17.0
JUMO	19.3	3.0	22.3	13.5
JUMO	2.8	1.0	3.8	5.5

PIED < 1.5"

JUMO < 1.5"

PLOT QJT 2058 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)
Ø				

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)
Ø				

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)
Ø				

PIED < 1.5"

JUMO < 1.5"

jt257

04-13-1994

AVE VOL  
PER PLOT  
9.9

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
395.9

ESTIMATED TOTAL VOLUME  
396

ESTIMATED TOTAL PINYON VOLUME  
37.6

ESTIMATED TOTAL JUNIPER VOLUME  
358.3

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	6.6	17
JUNIPER	2	13.0	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT2059 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES  
CODE

DRC/EDRC  
(Inches)

HEIGHT  
(Ft.)

Jumo      1.5      2.0


PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC  
(Inches)

HEIGHT  
(Ft.)

Ø


PIED < 1.5"

JUMO < 1.5"

PLOT QJT2060 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES  
CODE

DRC/EDRC  
(Inches)

HEIGHT  
(Ft.)

Jumo      13.4 5.5      18.9      15.0

PIED      1.5      \_\_\_\_\_      \_\_\_\_\_      6.0

Jumo      1.0 2.0      3      4.5

Jumo      3.5 2.9 2.0 2.0      10.4      9.0

PIED      2.1 .5      2.6      5.5

Jumo      2.9      \_\_\_\_\_      \_\_\_\_\_      4.5

PIED      8.4      \_\_\_\_\_      \_\_\_\_\_      13.0

Jumo      3.1      \_\_\_\_\_      \_\_\_\_\_      11.0

Jumo      11.1      \_\_\_\_\_      \_\_\_\_\_      14.0

Jumo      7.2      \_\_\_\_\_      \_\_\_\_\_      12.5


PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC  
(Inches)

HEIGHT  
(Ft.)

Ø


PIED < 1.5"

JUMO < 1.5"

10

jt259

04-13-1994

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
-0.0	-97.5	-1.4

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
-0.5	-0

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
0.0	-0.5

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	1.5	2

jt260

04-13-1994

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
11.8	97.5	1.4

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
471.3	471

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
47.5	423.8

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	4.2	8
JUNIPER	7	8.1	10



jt261

04-13-1994

AVE VOL PER PLOT 5.0	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 199.6	ESTIMATED TOTAL VOLUME 200
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 14.9	ESTIMATED TOTAL JUNIPER VOLUME 184.8
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	5.6	10
JUNIPER	4	8.5	12

jt262

04-13-1994

AVE VOL PER PLOT 58.5	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %2341.5	ESTIMATED TOTAL VOLUME 2341
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 4.9	ESTIMATED TOTAL JUNIPER VOLUME 2336.6
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	3.3	11
JUNIPER	15	11.2	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT 2063 Record _____ Read _____				PLOT QJT 2064 Record _____ Read _____								
QUAD A				QUAD A								
SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)	SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)			
PIED	2.2	.8	(3)	8.0	Jumo	4.5	4.8	4.6	5.9	5.0	4.5	12.0
Jumo	7.7	7.0	4.4	7.7	8.1	7.6						
X	4.5	5.5	4.0	(56.5)	13.5							
Jumo	2.0			7.0								
PIED	4.1			11.5								
PIED	3.8			13.5								
PIED < 1.5"				PIED < 1.5"								
JUMO < 1.5"				JUMO < 1.5"								
QUAD B				QUAD B								
SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)	SPECIES CODE	DRC/EDRC (Inches)			HEIGHT (Ft.)			
∅					∅							
PIED < 1.5"				PIED < 1.5"								
JUMO < 1.5"				JUMO < 1.5"								

5

1



jt263

04-13-1994

AVE VOL PER PLOT 49.0	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %1961.6	ESTIMATED TOTAL VOLUME 1962
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 19.8	ESTIMATED TOTAL JUNIPER VOLUME 1941.8
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	3.6	11
JUNIPER	2	29.3	10

jt264

04-13-1994

AVE VOL PER PLOT 34.6	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1382.1	ESTIMATED TOTAL VOLUME 1382
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1382.1
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	49.6	12

PLOT 2JT065 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PLOT 2JT066 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	9.1 7.1 6.9 9.6 6.5 3.0	17.0
<del>X</del>	9.0 19.1 (70.3)	
Jumo	1.5	3.5
Jumo	1.7	3.0
Jumo	1.7	3.0

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5" ~~X~~

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	12.4 1.0 .6 (14)	10.5

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	in (B)	
<del>X</del> LARGEST TRUNKED JUMO IS SPLIT IN MIDDLE BY PLOTS 66 AND 67 - QUAD A - DECIDED TO PUT JUMO IN QUAD A of PLOT 66		

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

jt265

04-13-1994

AVE VOL PER PLOT 2.2	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 89.4	ESTIMATED TOTAL VOLUME 89
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 89.4
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	14.0	11

jt266

04-13-1994

AVE VOL PER PLOT 90.2	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %3607.9	ESTIMATED TOTAL VOLUME 3608
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 3607.9
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	4	18.8	7



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QT2069 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

PLOT QT2070 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.8	7.0

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

jt268

04-13-1994

AVE VOL PER PLOT -0.0	SAMPLING ERROR (AS A % OF MEAN) -97.5	COEF VAR (SD/MEAN) -1.4
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AVERAGE VOLUME PER ACRE -0.4	ESTIMATED TOTAL VOLUME -0
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME -0.4
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	1.5	3

jt269

04-13-1994

AVE VOL PER PLOT 0.4	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 17.8	ESTIMATED TOTAL VOLUME 18
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 17.8
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	7.8	7

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QJT2071 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT QJT2072 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE

DRC/EDRC (Inches)

HEIGHT (Ft.)

QUAD A  
SPECIES CODE

DRC/EDRC (Inches)

HEIGHT (Ft.)

PIED	1.5		4.5
JUMO	2.2 5.6 1.8 7.2 6.0 5.8		13.0
<del>PIED</del>	4.9 5.2 4.5 2.8 6.7 1.5		
<del>PIED</del>	8.4 2.0 1.7 3.0 1.8 3.0		
		(74.1)	

∅			

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES CODE

DRC/EDRC (Inches)

HEIGHT (Ft.)

QUAD B  
SPECIES CODE

DRC/EDRC (Inches)

HEIGHT (Ft.)

∅			

JUMO	2.0		8.5

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

2

jt271

04-13-1994

AVE VOL PER PLOT 77.4	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %3094.4	ESTIMATED TOTAL VOLUME 3094
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME -0.7	ESTIMATED TOTAL JUNIPER VOLUME 3095.1
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.5	5
JUNIPER	1	74.1	13

jt272

04-13-1994

AVE VOL PER PLOT -0.0	SAMPLING ERROR (AS A % OF MEAN) -97.5	COEF VAR (SD/MEAN) -1.4
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AVERAGE VOLUME PER ACRE -0.0	ESTIMATED TOTAL VOLUME -0
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME -0.0
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	2.0	4





jt273

04-13-1994

AVE VOL PER PLOT -0.1	SAMPLING ERROR (AS A % OF MEAN) -97.5	COEF VAR (SD/MEAN) -1.4
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AVERAGE VOLUME PER ACRE -3.5	ESTIMATED TOTAL VOLUME -3
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME -3.5
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	3	1.2	2

jt274

04-13-1994

AVE VOL PER PLOT 71.7	SAMPLING ERROR (AS A % OF MEAN) 53.0	COEF VAR (SD/MEAN) 0.8
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AVERAGE VOLUME PER ACRE %2866.6	ESTIMATED TOTAL VOLUME 2867
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 33.1	ESTIMATED TOTAL JUNIPER VOLUME 2833.5
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	3.3	10
JUNIPER	3	35.6	15

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT QT2075 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A						
SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	20.2	3.1	(23.3)			14.5
Jumo	11.4					12.5
Jumo	4.9	1.0	(5.9)			12.0
PIED	3.9					6.0
Jumo	3.0	2.5	(5.5)			5.0
Jumo	3.1	5.6	(8.7)			9.0
Jumo	3.0	2.2	0.5	1.0	1.7 (10.8)	7.0
Jumo	4.0	5.5	5.5	2.0	0.9 (17.9)	9.0
Jumo	11.4					11.0
PIED	1.0					5.0
Jumo	3.8					9.0
Jumo	3.8					8.0
Jumo	2.7	1.0	2.8	(6.5)		8.0
Jumo	10.1					10.0

PIED < 1.5" 1a1

JUMO < 1.5"

PLOT \_\_\_\_\_ Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A						
SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)

PIED < 1.5"

JUMO < 1.5"

PLOT \_\_\_\_\_ Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD B						
SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	22.8					12.0
PIED	3.1					9.5
Jumo	3.1	5.2	4.1	5.2	1.6 (24) 4.8	10.5
Jumo	8.2	3.9	3.4	4.1	3.2 5.4	13.0
<del>Jumo</del>	2.6	(30.8)				
Jumo	4.9	4.5	6.2	(15.6)		11.0
Jumo	4.1	3.6	(7.7)			10.0
Jumo	10.7					9.5
						14.5

PIED < 1.5"

JUMO < 1.5"

PLOT \_\_\_\_\_ Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD B						
SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)

PIED < 1.5"

JUMO < 1.5"

14

7

? not used

jt275

04-13-1994

AVE VOL  
PER PLOT  
59.3

SAMPLING ERROR  
(AS A % OF MEAN)  
28.4

COEF VAR  
(SD/MEAN)  
0.4

AVERAGE VOLUME PER ACRE  
%2370.6

ESTIMATED TOTAL VOLUME  
2371

ESTIMATED TOTAL PINYON VOLUME  
5.9

ESTIMATED TOTAL JUNIPER VOLUME  
2364.8

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	2.7	7
JUNIPER	18	12.8	10

PLOT 093JT1001 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE DRC/EDRC (Inches) starts @ DO mark and runs north HEIGHT (Ft.)

Ends @ a tree.

QUAD A SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	6.7					10.0
Jumo	4.0	4.9	7.2	3.9	(20)	9.0
PIED	2.0					7.5
PIED	2.5					6.0
Jumo	8.7					9.0
Jumo	4.8	1.9			(6.7)	9.5
Jumo	4.6	3.9	3.0	8.8	8.9 (29.2)	11.0
Jumo	1.5	1.4			(2.9)	3.5
Jumo	8.8					8.5
Jumo	3.7	1.9	1.9	2.5	1.9 (11.9)	6.5
PIED < 1.5"						
JUMO < 1.5"						

PLOT 093JT1002 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

QUAD A SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	16.7					13.0
PIED	2.8					9.0
PIED	4.7					9.0
Jumo	2.5	1.5			(4)	5.0
PIED < 1.5"						
JUMO < 1.5"						

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

one included

QUAD B SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	6.7	3.5	4.6		(14.8)	6.0
PIED	4.6					8.5
Jumo	3.5	5.2	6.2	6.0	(20.9)	11.0
Jumo	3.8	3.9	2.8	1.6	(12.1)	8.0
PIED	2.5	1.9			(4.4)	6.0
PIED < 1.5"						
JUMO < 1.5"						

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

QUAD B SPECIES CODE	DRC/EDRC (Inches)					HEIGHT (Ft.)
Jumo	11.2					9.5
Jumo	(10.7)	4.5	3.9	1.9	(21)	10.0
PIED	1.8					8.0
PIED	4.7					14.0
Jumo	5.4	2.6	2.6	5.4	3.5 (19.5)	10.0
Jumo	9.7					11.0
PIED	5.1					10.0
Jumo	7.8	2.3	4.8	1.3	(6.2)	11.5
PIED < 1.5"						
JUMO < 1.5"						

WEST

EAST

Q93JT101

10-26-1993

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
28.8	37.8	0.5

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
%1152.9	1153

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
13.6	1139.3

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	3.4	7
JUNIPER	11	13.0	8

Q93JT102

10-26-1993

AVE VOL PER PLOT	SAMPLING ERROR (AS A % OF MEAN)	COEF VAR (SD/MEAN)
21.6	51.8	0.8

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
863.2	863

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
38.1	825.1

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	5	3.8	10
JUNIPER	7	14.0	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1003 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	7.5	10.0
Jumo	15.7	11.0
PIED	1.5	6.5
Jumo	15.6	13.5
PIED	2.0	3.0
PIED	1.8	3.0
Jumo	9.2	11.0
Jumo	3.5	5.0

PIED < 1.5"  
JUMO < 1.5"

PLOT 093JT1004 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.3 7.4 5.6 (19.3)	11.0
PIED	7.4	11.0
PIED	5.2	7.5

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	5.4	10.0
Jumo	5.4	9.0
Jumo	3.1 1.1 (4.2)	6.0
Jumo	4.4 2.9 (7.1)	8.0
PIED	2.0 1.0 (3.0)	7.5
Jumo	2.5 4.0 2.3 .9 2.8 (3.2) .7	8.0
Jumo	7.8 4.5 .3 1.5 2.0 (6.1)	8.5
Jumo	8.1 2.1 2.3 2.3 2.1 (6.9)	8.0
Jumo	6.7	9.5

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	5.6	8.0
Jumo	7.9 1.4 2.4 2.4 (14.1)	8.0
Jumo	4.8 5.2 6.1 4.5 (20.6)	11.0
Jumo	2.0	4.0
PIED	3.5	12.0
PIED	1.8	6.0
Jumo	1.5 .6 1.5 .7 1.7 (6)	4.5
Jumo	8.7 6.4 3.5 2.7 (21.3)	9.0
Jumo	1.0 2.5 1.9 2.2 2.2 1.7	6.0
<del>Jumo</del>	1.0 1.0 (3.5)	

PIED < 1.5"  
JUMO < 1.5"

Q93JT103

10-28-1993

AVE VOL PER PLOT 17.2	SAMPLING ERROR (AS A % OF MEAN) 8.3	COEF VAR (SD/MEAN) 0.1
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AVERAGE VOLUME PER ACRE 688.6	ESTIMATED TOTAL VOLUME 689
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ESTIMATED TOTAL PINYON VOLUME 42.2	ESTIMATED TOTAL JUNIPER VOLUME 646.5
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	6	3.5	7
JUNIPER	11	10.3	9

Q93JT104

10-28-1993

AVE VOL PER PLOT 19.7	SAMPLING ERROR (AS A % OF MEAN) 40.6	COEF VAR (SD/MEAN) 0.6
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AVERAGE VOLUME PER ACRE 788.6	ESTIMATED TOTAL VOLUME 789
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 38.9	ESTIMATED TOTAL JUNIPER VOLUME 749.8
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	4.0	9
JUNIPER	8	12.8	8



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1005 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	16.4	12.0
PIED	2.5	15.0
Jumo	1.5 1.4 (2.9)	4.0
Jumo	6.8 9.0 3.5 3.7 (23)	13.0
Jumo	3.5 1.4 (4.9)	7.0
PIED	4.3	9.5
Jumo	3.4 3.5 4.5 3.4 5.4 5.7	13.0
<del>X</del>	2.3 (28.2)	
Jumo	16.4	13.0

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1006 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.5 2.3 2.3 2.0 1.9 .9	6.0
<del>X</del>	1.5 2.9 (17.3)	
PIED	3.4	10.0
JUMO	17.8	15.0
PIED	3.4	8.5
Jumo	2.9	4.5
Jumo	2.5 2.0 1.2 1.8 2.7 (10.2)	7.5

PIED < 1.5"

JUMO < 1.5" ~~X~~

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.7	7.5
Jumo	9.3	9.5
PIED	2.5 4.9	8.0
Jumo	7.1 7.4 4.5 3.7 2.6 2.6	10.5
<del>X</del>	5.7 2.0 (35.6)	
PIED	3.8	12.0
Jumo	5.9	7.5
PIED	1.5	6.0
Jumo	1.5 1.4 1.5 (4.4)	6.0

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.5 1.8 2.1 1.7 (9.1)	6.5
PIED	8.7	16.5
Jumo	6.7	9.0
PIED	2.2	8.0
Jumo	5.3 4.0 1.9 4.5 3.5 4.1 (23.3)	11.5
Jumo	1.9 1.5 .4 1.0 (3.8)	7.0
Jumo	2.1 2.3 (3.4)	5.0
Jumo	1.9	5.0

PIED < 1.5"

JUMO < 1.5"

Q93JT105

10-28-1993

AVE VOL PER PLOT 51.1	SAMPLING ERROR (AS A % OF MEAN) 24.5	COEF VAR (SD/MEAN) 0.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %2045.2	ESTIMATED TOTAL VOLUME 2045
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 25.0	ESTIMATED TOTAL JUNIPER VOLUME 2020.2
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	5	3.3	10
JUNIPER	11	14.0	9

Q93JT106

10-28-1993

AVE VOL PER PLOT 20.4	SAMPLING ERROR (AS A % OF MEAN) 6.2	COEF VAR (SD/MEAN) 0.1
-----------------------------	---	------------------------------

AVERAGE VOLUME PER ACRE 815.2	ESTIMATED TOTAL VOLUME 815
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 75.3	ESTIMATED TOTAL JUNIPER VOLUME 739.8
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	4.4	11
JUNIPER	10	9.6	8

PLOT Q93JT1007 Record Read

PLOT Q93JT1008 Record Read

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.1 14.6	17.0 (20.7)
Jumo	3.5	5.0
Jumo	5.2 2.1	10.0 (7.3)
Jumo	1.5	4.0
Jumo	3.5	9.5
Jumo	1.5	6.0
Jumo	2.8	5.0
Jumo	12.9	12.5

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	4.7	11.5

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	12.4 7.2 5.2	14.0 (24.8)
PIED	4.7	16.0
Jumo	3.2 6.7	12.0 (9.9)
PIED	1.5	5.5
PIED	1.5	7.5
Jumo	1.5	4.0

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	18.4 4.3	15.0 (22.7)
Jumo	29.6	15.0
Jumo	3.8	5.0
Jumo	1.5 1.0	4.0 (2.5)
Jumo	2.1 2.6 2.4 .7	8.0 (7.8)
Jumo	2.5	7.5
Jumo	2.6	6.0
Jumo	2.4	6.0
Jumo	1.5	3.5
Jumo	1.5 1.3	5.0 (2.8)
PIED	4.7	10.0
PIED	5.5	6.5
Jumo	3.0	3.5

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

Q93JT107

10-28-1993

AVE VOL PER PLOT 26.1	SAMPLING ERROR (AS A % OF MEAN) 0.9	COEF VAR (SD/MEAN) 0.0
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AVERAGE VOLUME PER ACRE %1043.8	ESTIMATED TOTAL VOLUME 1044
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 16.0	ESTIMATED TOTAL JUNIPER VOLUME 1027.8
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	2.6	10
JUNIPER	11	8.2	9

Q93JT108

10-28-1993

AVE VOL PER PLOT 31.0	SAMPLING ERROR (AS A % OF MEAN) 95.6	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %1239.4	ESTIMATED TOTAL VOLUME 1239
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 30.6	ESTIMATED TOTAL JUNIPER VOLUME 1208.8
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	3	5.0	9
JUNIPER	11	7.4	7

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q 93JT1009 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	9.2 3.4 _____ (12.6)	10.5
Jumo	4.5 5.1 4.9 5.7 4.7 3.5 (25.9)	14.0
Jumo	2.5 1.9 3.2 _____ (7.1)	11.0
Jumo	3.5 4.3 4.4 2.5 11.2 (25.9)	13.0

PIED < 1.5"  
JUMO < 1.5"

PLOT Q 93JT1010 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	11.1 9.0 5.4 2.1 4.1 5.0	15.0
<del>X</del>	1.4 _____ (38.1)	
Jumo	2.7 4.4 _____ (7.1)	9.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.9	11.0

PIED < 1.5"  
JUMO < 1.5"

Q93JT109

10-28-1993

AVE VOL PER PLOT 29.0	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1159.2	ESTIMATED TOTAL VOLUME 1159
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1159.2
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	4	18.6	12

Q93JT110

10-28-1993

AVE VOL PER PLOT 27.6	SAMPLING ERROR (AS A % OF MEAN) 92.2	COEF VAR (SD/MEAN) 1.3
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1103.6	ESTIMATED TOTAL VOLUME 1104
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1103.6
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	3	17.7	12

PLOT 093JT1011 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT 093JT1012 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD A

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		



PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
JUMO	114 3.9 3.9 2.5 <sup>21.7</sup>	10.0

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

Q93JT112

10-28-1993

AVE VOL  
PER PLOT  
5.8

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
233.0

ESTIMATED TOTAL VOLUME  
233

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
233.0

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	21.7	10



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1013 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1014 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	2.5 1.0	(3.5) 3.0
Jumo	2.0	3.0

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

Q93JT114

10-28-1993

AVE VOL  
PER PLOT  
-0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
-97.5

COEF VAR  
(SD/MEAN)  
-1.4

AVERAGE VOLUME PER ACRE  
-1.2

ESTIMATED TOTAL VOLUME  
-1

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
-1.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	2.8	3



PLOT Q93TT1017 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	_____	_____

PIED < 1.5"  
 JUMO < 1.5"

PLOT Q93TT1018 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.5 2.0 2.0 .5 .5 <u>9.5</u>	5.0

PIED < 1.5"  
 JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	_____

PIED < 1.5"  
 JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	_____

PIED < 1.5"  
 JUMO < 1.5"

Q93JT118

10-28-1993

AVE VOL  
PER PLOT  
0.3

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
12.3

ESTIMATED TOTAL VOLUME  
12

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
12.3

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	8.5	5

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1019 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT Q93JT1020 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.9	5.0

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
1.5	Jumo	4.5

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

Q93JT119

10-28-1993

AVE VOL PER PLOT 0.1	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 2.6	ESTIMATED TOTAL VOLUME 3
--------------------------------	-----------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 2.6
--------------------------------------	---------------------------------------

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	3.9	5

Q93JT120

10-28-1993

AVE VOL PER PLOT -0.0	SAMPLING ERROR (AS A % OF MEAN) -97.5	COEF VAR (SD/MEAN) -1.4
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AVERAGE VOLUME PER ACRE -0.2	ESTIMATED TOTAL VOLUME -0
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME -0.2
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	1.5	5

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1021 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT Q93JT1022 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

PIED < 1.5"

JUMO < 1.5"

JUMO < 1.5"



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1023 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT Q93JT1024 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1025 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	2.8	6.0
Jumo	3.0 .5 .5 (4.0)	4.5

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1026 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

Q93JT125

10-28-1993

AVE VOL  
PER PLOT  
0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
1.7

ESTIMATED TOTAL VOLUME  
2

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1.7

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	3.4	5

PLOT Q93TT1027 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93TT1028 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
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_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
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_____	_____
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_____	_____
_____	_____
_____	_____

PIED < 1.5"  
JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 93JT1029 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT 93JT1030 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	13.4	14.0
Jumo	1.9	7.0
Jumo	1.9	6.5
Jumo	1.8 3.1 1.8 (6.7)	5.0

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.1	10.0
Jumo	5.9 1.4 (7.3)	11.5
Jumo	3.2 1.0 (4.2)	6.0
Jumo	1.1 1.1 .3 (2.5)	6.0
Jumo	5.1 3.1 (8.2)	13.0
Jumo	5.8 3.5 5.4 (14.7)	11.0
Jumo	3.2	10.5
Jumo	6.1	11.0
PIED	3.1 2.9 (6)	10.5
Jumo	1.1	5.0
Jumo	9.8	12.5
Jumo	4.8 3.1 (7.9)	6.0

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5" \*

Q93JT129

10-28-1993

AVE VOL PER PLOT 3.8	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 151.1	ESTIMATED TOTAL VOLUME 151
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 143.7	ESTIMATED TOTAL JUNIPER VOLUME 7.4
--	---------------------------------------

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	13.4	14
JUNIPER	3	3.5	6

Q93JT130

10-28-1993

AVE VOL PER PLOT 6.8	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 272.5	ESTIMATED TOTAL VOLUME 273
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 18.2	ESTIMATED TOTAL JUNIPER VOLUME 254.3
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	6.0	11
JUNIPER	11	6.2	9

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 93JT1031 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.9	10.5
Jumo	7.0	12.5
Jumo	7.9	10.5
Jumo	11.2	11.0
Jumo	4.2 4.4 3.6 2.5 1.9 3.0	8.0
<del>X</del>	3.9 .9 <sup>(24.9)</sup>	
Jumo	16.4	12.0
Jumo	3.5 2.0 4.2 3.5 1.9 <sup>(15.1)</sup>	7.5

PIED < 1.5"

JUMO < 1.5"

PLOT 93JT1032 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	16.7	9.0
PIED	1.0	4.0

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	12.4	11.5
Jumo	4.8 3.6 2.8 1.9 5.1 5.3 <sup>(23.5)</sup>	10.5
Jumo	1.0 11.7 <sup>(12.7)</sup>	12.5
Jumo	4.1 4.8 1.2 1.5 <sup>(11.6)</sup>	8.0

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

Q93JT133

10-28-1993

AVE VOL PER PLOT 47.2	SAMPLING ERROR (AS A % OF MEAN) 7.3	COEF VAR (SD/MEAN) 0.1
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AVERAGE VOLUME PER ACRE %1889.2	ESTIMATED TOTAL VOLUME 1889
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1889.2
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	10	13.9	9

Q93JT134

10-28-1993

AVE VOL PER PLOT 30.9	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1236.1	ESTIMATED TOTAL VOLUME 1236
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1236.1
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	43.9	14



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1035 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.2	4.0
Jumo	15.3 35 (18.8)	14.0
PIED	1.2	8.0
Jumo	1.0	4.5
Jumo	12.8	13.0

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1036 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.1 3.5 2.1 4.5 3.5 5.9	13.5
<del> </del>	6.3 3.9 6.5 2.1 3.5 3.5 (49.4)	

PIED < 1.5"

JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

Q93JT135

10-28-1993

AVE VOL  
PER PLOT  
46.8

SAMPLING ERROR  
(AS A % OF MEAN)  
61.1

COEF VAR  
(SD/MEAN)  
0.9

AVERAGE VOLUME PER ACRE  
%1873.5

ESTIMATED TOTAL VOLUME  
1874

ESTIMATED TOTAL PINYON VOLUME  
-0.6

ESTIMATED TOTAL JUNIPER VOLUME  
1874.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.2	8
JUNIPER	5	17.0	10

PLOT Q93JT1037 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1038 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumd	1.7	3.5

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

Q93JT138

10-28-1993

AVE VOL  
PER PLOT  
-0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
-97.5

COEF VAR  
(SD/MEAN)  
-1.4

AVERAGE VOLUME PER ACRE  
-0.2

ESTIMATED TOTAL VOLUME  
-0

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
-0.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	1.7	4

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1039 Record \_\_\_\_\_ Read \_\_\_\_\_

PLOT Q93JT1040 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	5.5	6.5

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	1.5	2.5

PIED < 1.5"  
JUMO < 1.5"

PIED < 1.5"  
JUMO < 1.5"

Q93JT140

10-28-1993

AVE VOL  
PER PLOT  
0.2

SAMPLING ERROR  
(AS A % OF MEAN)  
108.1

COEF VAR  
(SD/MEAN)  
1.6

AVERAGE VOLUME PER ACRE  
7.4

ESTIMATED TOTAL VOLUME  
7

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
7.4

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	3.5	5

PLOT Q93JT1041 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.4	8.0
Jumc	1.5	3.5

PIED < 1.5"  
 JUMO < 1.5"

PLOT Q93JT1042 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
 JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
 JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumd	3.5	4.5
PIED	9.1	16.0

PIED < 1.5"  
 JUMO < 1.5"

Q93JT141

10-28-1993

AVE VOL PER PLOT 0.3	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 13.2	ESTIMATED TOTAL VOLUME 13
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 13.2
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	4.0	6

Q93JT142

10-28-1993

AVE VOL PER PLOT 1.8	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 72.3	ESTIMATED TOTAL VOLUME 72
---------------------------------	------------------------------

ESTIMATED TOTAL PINYON VOLUME 70.6	ESTIMATED TOTAL JUNIPER VOLUME 1.7
---------------------------------------	---------------------------------------

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	9.1	16
JUNIPER	1	3.5	5



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1043 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE          DRC/EDRC (Inches)          HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1044 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE          DRC/EDRC (Inches)          HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE          DRC/EDRC (Inches)          HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.1	4.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE          DRC/EDRC (Inches)          HEIGHT (Ft.)

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5" \* (hand-drawn symbol)

Q93JT143

10-28-1993

AVE VOL  
PER PLOT  
0.0

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
1.0

ESTIMATED TOTAL VOLUME  
1

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1.0

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	3.1	4

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1045 Record		Read		PLOT 093JT1046 Record		Read		
QUAD A		QUAD A		QUAD A		QUAD A		
SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)	SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)	SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	8.9	12.5	PIED	12.4	16.5			
Jumo	2.0 8.4 5.0 2.0 3.0 4.5	14.0	JUMO	1.5 .7 (2.7)	4.0			
<del>XXXX</del>	2.1 1.9 1.9 3.5 6.1 2.9		JUMO	2.9	3.9			
<del>XXXX</del>	2.9 3.0 12.4 (6.16)		JUMO	3.6	6.0			
			JUMO	2.4 2.5 (4.9)	6.0			
PIED < 1.5"	••		PIED < 1.5"					
JUMO < 1.5"			JUMO < 1.5"	••				
QUAD B			QUAD B			QUAD B		
SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)	SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)	SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	3.5	4.5	PIED	8.3	14.0			
Jumo	5.7	9.0	PIED	4.4	8.5			
Jumo	4.0	7.0	JUMO	5.4 2.0 (1.4)	7.0			
Jumo	4.0 11.4 3.8 .5 2.1 2.9	15.0	PIED	5.9	14.0			
<del>XXXX</del>	1.0 6.1 3.2 2.9 4.0 8.1		JUMO	3.2 1.1 0.9 0.5 (5.7)	5.5			
<del>XXXX</del>	6.4 5.1 3.9 (5.4)							
PIED < 1.5"	•		PIED < 1.5"	•				
JUMO < 1.5"	••		JUMO < 1.5"	•				

Q93JT145

10-28-1993

AVE VOL PER PLOT 130.5	SAMPLING ERROR (AS A % OF MEAN) 7.8	COEF VAR (SD/MEAN) 0.1
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AVERAGE VOLUME PER ACRE %5221.7	ESTIMATED TOTAL VOLUME 5222
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 51.5	ESTIMATED TOTAL JUNIPER VOLUME 5170.2
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	8.9	13
JUNIPER	5	28.0	10

Q93JT146

10-28-1993

AVE VOL PER PLOT 6.2	SAMPLING ERROR (AS A % OF MEAN) 19.9	COEF VAR (SD/MEAN) 0.3
----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 249.3	ESTIMATED TOTAL VOLUME 249
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 226.4	ESTIMATED TOTAL JUNIPER VOLUME 22.9
--	--


SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	7.8	13
JUNIPER	6	4.5	5

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP


PLOT Q93JT1047 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.8 2.0 5.5 2.1 3.8 2.2	10.0
<del>X</del>	3.6 .5 (24.5)	
Jumo	4.5 5.1 (9.6)	10.0
Jumo	5.2 2.5 3.9 4.2 3.9 (19.0)	10.5

PIED < 1.5"   
 JUMO < 1.5" 

PLOT Q93JT1048 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	11.3	10.0
Jumo	1.8	6.5
Jumo	2.6 1.0 (3.0)	8.0
PIED	7.4	10.0

PIED < 1.5"   
 JUMO < 1.5" 

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
5.3 5.2 3.5 1.9 1.9 4.8	13.0
6.9 (29.5)	
PIED 3.6	12.5
PIED 3.0	6.0
PIED 4.6	8.0
PIED 19.0	13.5
Jumo 15.7	13.0

PIED < 1.5"   
 JUMO < 1.5"

QUAD B  
SPECIES  
CODE

DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED 1.8	12.0
PIED 6.3	15.0
Jumo 17.1	10.5
Jumo 1.0	4.5
PIED 3.3	8.0
Jumo 18.7 (left there)	15.5
↑ TRUNK SPLITS QUADS B OF PLOT 48 AND QUAD B of PLOT 49	

PIED < 1.5"   
 JUMO < 1.5"

Q93JT147

10-28-1993

AVE VOL PER PLOT 34.5	SAMPLING ERROR (AS A % OF MEAN) 20.4	COEF VAR (SD/MEAN) 0.3
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1380.3	ESTIMATED TOTAL VOLUME 1380
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 73.2	ESTIMATED TOTAL JUNIPER VOLUME 1307.1
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	5.1	10
JUNIPER	5	19.8	11

Q93JT148

10-28-1993

AVE VOL PER PLOT 11.8	SAMPLING ERROR (AS A % OF MEAN) 69.3	COEF VAR (SD/MEAN) 1.0
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 473.8	ESTIMATED TOTAL VOLUME 474
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 42.4	ESTIMATED TOTAL JUNIPER VOLUME 431.4
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	4.0	11
JUNIPER	6	7.9	9

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1049 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	13.1	13.5
Jumo	3.4	13.5
Jumo	3.6 3.5 1.5 6.1 3.6 3.0	10.0
<del>X</del>	1.5 (22.9)	
Jumo	3.5 1.9 (5.4)	8.5
Jumo	1.5 5.2 5.3 5.6 4.2 1.8	15.0
<del>X</del>	1.8 (25.4)	

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1050 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
PIED	7.1	11.0
Jumo	8.3	8.5
PIED	6.5	12.0
Jumo	5.6 2.9 5.5 5.1 (19.1) kept here	11.5
LAST Jumo's FRUNK SPLITS QUAD A of PLOT 50 AND QUAD A of PLOT 51		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	10.6	16.0
Jumo	11.8	15.5
PIED	5.1	12.0
Jumo	16.4	13.0

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	13.2	15.5
Jumo	6.7	13.0
Jumo	17.8	16.5
Jumo	11.3	10.0
Jumo	3.5	4.0
Jumo	6.6	10.0

PIED < 1.5"

JUMO < 1.5"

Q93JT149

10-28-1993

AVE VOL PER PLOT 32.3	SAMPLING ERROR (AS A % OF MEAN) 39.3	COEF VAR (SD/MEAN) 0.6
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AVERAGE VOLUME PER ACRE %1291.9	ESTIMATED TOTAL VOLUME 1292
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 14.8	ESTIMATED TOTAL JUNIPER VOLUME 1277.1
---------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	5.1	12
JUNIPER	8	13.6	13

Q93JT150

10-28-1993

AVE VOL PER PLOT 20.4	SAMPLING ERROR (AS A % OF MEAN) 30.5	COEF VAR (SD/MEAN) 0.4
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 816.8	ESTIMATED TOTAL VOLUME 817
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 52.6	ESTIMATED TOTAL JUNIPER VOLUME 764.2
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	2	6.8	12
JUNIPER	8	10.8	11



Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 93JT1051 Record \_\_\_\_\_ Read \_\_\_\_\_

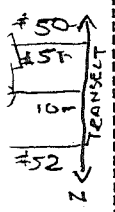
QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.7	6.0
Jumo	12.9 18.1 (2)	16.0
PIED	4.0	8.0
Jumo	6.4 3.4 (9.8)	10.0

PIED < 1.5"  
JUMO < 1.5"

PLOT 93JT1052 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	8.5	9.0
Jumo	10.9	9.0
Jumo	5.9	8.5
Jumo	4.1 2.1 (6.2)	9.5
Jumo	4.2	8.0
Jumo	4.0 3.3 3.5 (10.8)	10.0

PIED < 1.5"  
JUMO < 1.5"



QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.3	9.5
Jumo	15.4 TRUNK SPLITS 10m line FROM TRANSECT. (kept here)	16.0
<del>Jumo</del>	<del> </del>	<del> </del>
Jumo	4.9 3.5 3.3 1.2 (12.9)	7.0
Jumo	2.9 2.5 1.8 (9.8)	6.5
PIED	1.5	4.5
Jumo	4.1 6.2 4.2 3.3 3.4 3.3	9.0
<del>Jumo</del>	<del>2.9 3.5 (30.9)</del>	<del> </del>

PIED < 1.5"  
JUMO < 1.5"

QUAD B

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	18.2	13.0
Jumo	3.5	6.0
Jumo	3.5 3.4 2.2 3.4 3.4 1.8	8.0
<del>Jumo</del>	<del>1.0 (19.7)</del>	<del> </del>
Jumo	9.1 8.5 3.7 2.6 4.9 1.2 (30)	10.5
Jumo	1.5	3.0
Jumo	3.5 3.3 2.9 2.8 (12.5)	9.0
Jumo	2.5 1.9 3.6 2.4 (11.4)	9.0
Jumo	3.5 2.9 2.5 2.8 (11.9)	8.5
Jumo	2.1 3.1 2.1 3.7 3.8 (14.3)	9.0
Jumo	6.7	11.0
Jumo	6.9 3.5 2.4 2.5 5.1 3.4 (23.8)	10.0

PIED < 1.5"  
JUMO < 1.5"

Q93JT151

10-28-1993

AVE VOL PER PLOT 39.5	SAMPLING ERROR (AS A % OF MEAN) 5.8	COEF VAR (SD/MEAN) 0.1
-----------------------------	---	------------------------------

AVERAGE VOLUME PER ACRE %1579.0	ESTIMATED TOTAL VOLUME 1579
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 4.6	ESTIMATED TOTAL JUNIPER VOLUME 1574.4
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	2	2.8	6
JUNIPER	8	15.1	10

Q93JT152

10-28-1993

AVE VOL PER PLOT 39.3	SAMPLING ERROR (AS A % OF MEAN) 78.5	COEF VAR (SD/MEAN) 1.1
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE %1573.8	ESTIMATED TOTAL VOLUME 1574
------------------------------------	--------------------------------

ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1573.8
--------------------------------------	--

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	17	11.7	9

PLOT Q93JT1053 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

↑  
PUNTIATION MARK

Jumo	12.5				10.0
Jumo	11.0				9.0

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1054 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

JUMO	22.7	9.7			14.0
PIED	2.5				8.0
JUMO	2.5				4.5
Jumo	1.5				3.5
Jumo	15.1				12.5
Jumo	1.0	1.0		(2)	3.0
Jumo	2.5	1.0		(35)	5.0
PIED	3.9				9.5
PIED	3.5	2.2		(59)	10.0
Jumo	7.2				6.5

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	6.0	4.5	3.2	4.2	3.5	3.4	10.0
<del>Jumo</del>	2.1	2.1			(29)		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	2.5	2.0	3.1	7.2	4.1	3.5	9.0
<del>Jumo</del>	2.0				(214)		
PIED	3.0						11.0
PIED	2.5						4.0

PIED < 1.5"

JUMO < 1.5"

Q93JT155

10-29-1993

AVE VOL PER PLOT 23.2	SAMPLING ERROR (AS A % OF MEAN) 73.0	COEF VAR (SD/MEAN) 1.1
-----------------------------	--	------------------------------

AVERAGE VOLUME PER ACRE 929.7	ESTIMATED TOTAL VOLUME 930
----------------------------------	-------------------------------

ESTIMATED TOTAL PINYON VOLUME 11.5	ESTIMATED TOTAL JUNIPER VOLUME 918.2
---------------------------------------	---

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	5	3.0	7
JUNIPER	16	8.7	8

Q93JT156

10-29-1993

AVE VOL PER PLOT 33.4	SAMPLING ERROR (AS A % OF MEAN) 2.2	COEF VAR (SD/MEAN) 0.0
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AVERAGE VOLUME PER ACRE %1334.4	ESTIMATED TOTAL VOLUME 1334
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ESTIMATED TOTAL PINYON VOLUME 21.8	ESTIMATED TOTAL JUNIPER VOLUME 1312.6
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	6	3.1	6
JUNIPER	8	15.3	10

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1057 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	7.8	12.5

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1058 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	10.4	11.0
Jumo	1.0	4.0
Jumo	8.8 3.1 3.0 2.8 (17.7)	8.5
PIED	3.0	6.5

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	10.8	13.5
PIED	3.9	5.0
PIED	3.1	6.0
PIED	2.5	6.0
JUMO	15.8	13.5
PIED	3.7	7.5
PIED	3.7	8.0
Jumo	16.4	13.0
Jumo	10.2 18.6 (28.8)	12.5
Jumo	5.7	10.0
Jumo	6.3	10.0

PIED < 1.5"

JUMO < 1.5" ✂

Q93JT157

10-29-1993

AVE VOL PER PLOT 5.2	SAMPLING ERROR (AS A % OF MEAN) 66.4	COEF VAR (SD/MEAN) 1.0
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AVERAGE VOLUME PER ACRE 207.6	ESTIMATED TOTAL VOLUME 208
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ESTIMATED TOTAL PINYON VOLUME 1.8	ESTIMATED TOTAL JUNIPER VOLUME 205.9
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	3.0	7
JUNIPER	4	9.2	9

Q93JT158

10-29-1993

AVE VOL PER PLOT 25.6	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %1024.5	ESTIMATED TOTAL VOLUME 1024
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ESTIMATED TOTAL PINYON VOLUME 13.4	ESTIMATED TOTAL JUNIPER VOLUME 1011.1
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	5	3.4	7
JUNIPER	6	14.0	12

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 93JT1059 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	2.5	2.5	3.2	3.1	3.5	4.0	9.0
Jumo	2.7	2.8	2.7	1.4			8.0
Jumo	4.6	3.5	1.2	1.0			9.0
Jumo	2.1	.4	1.1	.5			4.5
PIED	4.5						9.0
Jumo	4.3	2.9	1.9	2.2			9.0
PIED	1.5						3.5
PIED	4.5						11.0
Jumo	6.5	6.2	4.5	3.5	3.0		10.5
PIED	1.8						6.0
PIED	1.8						6.0
Jumo	3.5	.5	2.0				7.0
Jumo	12.9						11.5
Jumo	3.2						9.0
Jumo	3.0						5.0
PIED < 1.5"							
JUMO < 1.5"							

PLOT 93JT1060 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	3.0						6.5
Jumo	3.1						5.0
Jumo	2.0						5.0
Jumo	3.5	1.8	1.8	2.2			10.5
Jumo	3.5	2.1	2.1				8.0
Jumo	1.5						5.0
Jumo	12.6						11.0
Jumo	3.5	1.9	4.2	4.5			7.5
Jumo	4.2						
PIED	2.5						8.5
PIED	2.5						6.0
Jumo	3.4	3.3	3.0	1.9	1.5		8.0
PIED < 1.5"							
JUMO < 1.5"							

QUAD B

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
PIED	2.0						4.5
Jumo	1.5						3.0
Jumo	3.5						6.0
Jumo	5.9						10.8
Jumo	10.9						10.5
Jumo	3.9						8.5
Jumo	3.5						8.5
Jumo	2.0						5.5
Jumo	3.0						8.0
Jumo	3.1	1.9					7.5
Jumo	2.9	1.7	2.5	4.0	3.7	1.5	8.0
<del>Jumo</del>	1.9						
Jumo	8.3						9.5
PIED < 1.5"							
JUMO < 1.5"							

QUAD B

SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	6.4						8.0
Jumo	5.6						8.0
Jumo	12.9						14.0
PIED	3.2						10.5
Jumo	5.1	4.7	5.9	3.9	1.5		12.0
Jumo	2.9						8.0
PIED	5.7						17.0
Jumo	2.8	1.1					5.0
Jumo	1.6	1.7					6.0
Jumo	15.2						16.0
Jumo	3.6	3.4	4.5				7.5
Jumo	6.2	5.8	5.4	1.0	6.4		15.0
PIED < 1.5"							
JUMO < 1.5"							

Q93JT159

10-29-1993

AVE VOL	SAMPLING ERROR	COEF VAR
PER PLOT	(AS A % OF MEAN)	(SD/MEAN)
23.1	47.6	0.7

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
923.1	923

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
16.7	906.4

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	6	2.7	7
JUNIPER	21	8.0	8

Q93JT160

10-29-1993

AVE VOL	SAMPLING ERROR	COEF VAR
PER PLOT	(AS A % OF MEAN)	(SD/MEAN)
35.8	62.2	0.9

*one tree entered  
with no height*

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
%1431.1	1431

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
33.9	1397.2

SAMPLE TREE AVERAGES

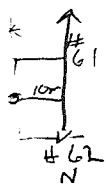
	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	4	3.5	11
JUNIPER	20	8.9	8



PLOT Q93JT1061 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	3.6						8.0	
Jumo	1.9						7.5	
Jumo	6.1	8.6	4.2	2.2	2.1	3.3	13.0	
<del>X</del>	3.1					(29.6)		
Jumo	1.5						4.0	
PIED	1.6						2.0	
PIED	1.6						6.0	
Jumo	15.6	* TRUNK SPLIT by 10m line						13.0
Jumo	2.0						3.5	
Jumo	1.9						6.0	
Jumo	3.5	1.9	.5			(5.9)	6.5	
Jumo	12.7	3.5	6.2	2.1	4.1	2.9	13.0	
						(31.5)		



PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1062 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

<del>Ø</del>							

PIED < 1.5"  
JUMO < 1.5"

QUAD B \*SEE REVERSE SIDE  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	8.5						12.0
Jumo	10.3	2.0				(12.3)	13.5
PIED	2.1						11.5
Jumo	7.7						10.5
Jumo	2.0	1.8				(3.8)	6.0
Jumo	3.5	2.0	2.0	1.9		(9.4)	9.5
Jumo	3.5	1.9	2.6			(8)	8.5
Jumo	3.6	3.4	2.0	1.9	3.6	1.8	9.0
<del>X</del>	2.4	1.5				(20.2)	
Jumo	4.7	4.4	2.1	3.9		(15.1)	10.5
PIED	2.8						10.5
PIED	2.9						10.5
PIED	6.6						12.0

(b)

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES CODE DRC/EDRC (Inches) HEIGHT (Ft.)

Jumo	13.9						11.5

PIED < 1.5"  
JUMO < 1.5"

Q93JT161

10-29-1993

AVE VOL PER PLOT 67.5	SAMPLING ERROR (AS A % OF MEAN) 6.7	COEF VAR (SD/MEAN) 0.1
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AVERAGE VOLUME PER ACRE %2700.2	ESTIMATED TOTAL VOLUME 2700
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ESTIMATED TOTAL PINYON VOLUME 32.5	ESTIMATED TOTAL JUNIPER VOLUME 2667.7
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	7	2.8	9
JUNIPER	19	12.0	9

Q93JT162

10-29-1993

AVE VOL PER PLOT 2.7	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 107.4	ESTIMATED TOTAL VOLUME 107
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ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 107.4
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	13.9	12

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1063 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	5.9	9.0
Jumo	16.2 3.8 2.5 (22.5)	12.0
Jumo	4.1 3.0 3.6 2.1 (12.8)	9.0

PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1064 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

QUAD B  
SPECIES  
CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	36.2	17.0
Jumo	1.7	4.0
Jumo	3.0	5.5
Jumo	2.0 2.0 (4)	4.0
Jumo	2.7	5.0
Jumo	3.8	12.5
Jumo	5.5	12.5
Jumo	4.1 3.2 4.2 (11.5)	12.0
Jumo	5.5 2.1 (7.6)	12.0

PIED < 1.5"

JUMO < 1.5"

Q93JT163

10-29-1993

AVE VOL PER PLOT 9.8	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 392.5	ESTIMATED TOTAL VOLUME 392
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ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 392.5
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	3	13.7	10

Q93JT164

10-29-1993

AVE VOL PER PLOT 32.9	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %1314.4	ESTIMATED TOTAL VOLUME 1314
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ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1314.4
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	9	8.4	9

PLOT 93JT1065 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"  
JUMO < 1.5"

PLOT 93JT1066 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"  
JUMO < 1.5"

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT Q93JT1067 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1068 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	5.6	9.0

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B  
SPECIES  
CODE

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

Q93JT168

10-29-1993

AVE VOL PER PLOT 0.3	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 11.5	ESTIMATED TOTAL VOLUME 11
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ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 11.5
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	5.6	9

PLOT Q93JT1069 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
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PIED < 1.5"

JUMO < 1.5"

PLOT Q93JT1070 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.7 4.5 2.0 6.9 2.5 2.5	13.0
<del>_____</del>	<del>6.5 3.1 6.5 2.5 4.0 3.5</del>	
<del>_____</del>	<del>4.8 1.0 4.2 1.1 7.0 3.7</del>	
<del>_____</del>	<del>3.4</del>	<del>(74.4)</del>

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
∅		

PIED < 1.5"

JUMO < 1.5"



Q93JT170

10-29-1993

AVE VOL	SAMPLING ERROR	COEF VAR
PER PLOT	(AS A % OF MEAN)	(SD/MEAN)
78.0	97.5	1.4

AVERAGE VOLUME PER ACRE	ESTIMATED TOTAL VOLUME
%3118.7	3119

ESTIMATED TOTAL PINYON VOLUME	ESTIMATED TOTAL JUNIPER VOLUME
0.0	3118.7

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	1	74.4	13

Mesita De Los Ladrones 1993 -- Tree Inventory - NMNHP

PLOT 093JT1071 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

PLOT 093JT1072 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	5.1	7.5

PIED < 1.5"  
JUMO < 1.5"

Q93JT172

10-29-1993

AVE VOL PER PLOT 0.2	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE  
7.7

ESTIMATED TOTAL VOLUME  
8

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
7.7

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
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PINYON	0	0.0	0
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JUNIPER	1	5.1	8
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PLOT 93JT1073 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Ø		

PIED < 1.5"

JUMO < 1.5"

PLOT 93JT1074 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	6.4	7.5

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	2.1	4.0
Jumo	5.9	6.0

PIED < 1.5"

JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.4 4.2 4.5 4.2 4.4 6.1	13.0
<del>X</del>	4.3 4.4 4.9 6.8 (48.2)	

PIED < 1.5"

JUMO < 1.5"

Q93JT173

10-29-1993

AVE VOL PER PLOT 0.2	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 8.4	ESTIMATED TOTAL VOLUME 8
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ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 8.4
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	4.0	5

Q93JT174

10-29-1993

AVE VOL PER PLOT 35.6	SAMPLING ERROR (AS A % OF MEAN) 95.7	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE %1422.9	ESTIMATED TOTAL VOLUME 1423
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ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 1422.9
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	2	27.3	10

Q93JT131

10-28-1993

AVE VOL  
PER PLOT  
28.2

SAMPLING ERROR  
(AS A % OF MEAN)  
8.6

COEF VAR  
(SD/MEAN)  
0.1

AVERAGE VOLUME PER ACRE  
%1127.2

ESTIMATED TOTAL VOLUME  
1127

ESTIMATED TOTAL PINYON VOLUME  
0.0

ESTIMATED TOTAL JUNIPER VOLUME  
1127.2

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	0	0.0	0
JUNIPER	11	13.6	10

Q93JT132

10-28-1993

AVE VOL  
PER PLOT  
3.1

SAMPLING ERROR  
(AS A % OF MEAN)  
97.5

COEF VAR  
(SD/MEAN)  
1.4

AVERAGE VOLUME PER ACRE  
122.5

ESTIMATED TOTAL VOLUME  
122

ESTIMATED TOTAL PINYON VOLUME  
-1.0

ESTIMATED TOTAL JUNIPER VOLUME  
123.5

SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
PINYON	1	1.0	4
JUNIPER	1	16.7	9

PLOT Q93JT1033 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	29.9						16.0
Jumo	3.0	1.8	.8			(5.0)	5.0
Jumo	3.8						5.0
Jumo	3.7	.6	6.1			(10.4)	9.0

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1034 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
<del> </del>							

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)	
Jumo	5.6						9.5	
Jumo	20.4	(AT 10m 1/2 in 1/2 OUT)						16.5
Jumo	2.8						3.5	
Jumo	3.9	2.4	4.0	.4	2.2	2.4	8.5	
<del> </del>	3.7	2.9	4.2	2.0		(28.1)		
Jumo	7.6	7.4				(15)	9.0	
Jumo	3.2	3.0	3.1	5.1	3.4	(17.8)	9.5	

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE	DRC/EDRC (Inches)						HEIGHT (Ft.)
Jumo	7.2	7.6	2.1	3.5	2.8	2.9	13.5
<del> </del>	2.9	6.3	6.6	2.0		(43.9)	

PIED < 1.5"  
JUMO < 1.5"

PLOT Q93JT1075 Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

PLOT \_\_\_\_\_ Record \_\_\_\_\_ Read \_\_\_\_\_

QUAD A SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)
Jumo	4.7	8.5
Jumo	2.7	7.5

PIED < 1.5"  
JUMO < 1.5"

QUAD B SPECIES CODE

SPECIES CODE	DRC/EDRC (Inches)	HEIGHT (Ft.)

PIED < 1.5"  
JUMO < 1.5"



Q93JT175

10-29-1993

AVE VOL PER PLOT 0.2	SAMPLING ERROR (AS A % OF MEAN) 97.5	COEF VAR (SD/MEAN) 1.4
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AVERAGE VOLUME PER ACRE 9.1	ESTIMATED TOTAL VOLUME 9
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ESTIMATED TOTAL PINYON VOLUME 0.0	ESTIMATED TOTAL JUNIPER VOLUME 9.1
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SAMPLE TREE AVERAGES

	NUMBER OF TREES	DIAMETER	HEIGHT
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PINYON	0	0.0	0
JUNIPER	2	3.7	8