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Nevada Test Site study areas and specimen depositories

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BIOLOGICAL SERIES — VOLUME II, NUMBER 4

MAY, 1963

NEVADA TEST SITE STUDY AREAS AND SPECIMEN DEPOSITORIES

by

DORALD M. ALLRED, D ELDEN BECK AND

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NEVADA TEST SITE STUDY AREAS AND SPECIMEN DEPOSITORIES

This paper supplements the publication "Biotic Communities of the Nevada Test Site" (Allred, Beek, and Jorgensen, 1963) which delineated the major plant communities; designated the predominant species of animals and their relative abundance, seasonal occurrence, and ecological distribution; and listed all the species known as a result of our ecological studies. The present paper supplies additional information on the specific location and ecological peculiarities of our collection stations, and lists the depositories of the specimens. This will enable the interested worker to locate within a short distance the place where specimens were collected and to know where they have been deposited. Collection data are presented in Table 1, and an explanation of the contents and meanings of the abbreviations of the table columns are given below. Depositories are listed on pages 14-15.

Area column. Early in our studies to facilitate methods of survey, we established study areas. Some areas were established independently of those of the Atomic Energy Commission (Holmes and Narver, Inc., 1961, page 4). Others were closely aligned with the AEC designations (Fig. 1). Those identified by a numeral were established by the Commission, although our boundaries do not necessarily correspond with theirs. Areas identified by letters were selected by us independently of the AEC weapons testing program.

Study site column. Subsequent to area designation specific sites within each area were selected. Single or double capital letter components were used to identify these.

Type of study column. A one- or two-letter component indicates the arrangement of the collecting equipment in the specific study. Meanings of the abbreviations used are as follows:

- B** Berlese funnel study, an examination of individual plants of a particular species
- M** Miscellaneous techniques
- PT** 2 parallel transects
- Q** Quadrat arrangement consisting of 3 or more parallel transects
- RT** 4 or more transects radiating from a central point
- ST** Single transect

Plant community column. The first 2 letters of the generic name(s) of the plant community are given as follows:

- At-Ko** *Atriplex confertifolia* and *Kochia americana*
- Co** *Coleogyne ramosissima*
- Gr-Ly** *Grayia spinosa* and *Lycium andersonii*
- La-Fr** *Larrea divaricata* and *Franseria dumosa*
- Mixed** A variety of plants which occur in amounts which makes assignment to one of the major communities impractical
- Pi-Ju** *Pinus monophylla* and *Juniperus osteosperma*
- Sa** *Salsola kali*

Specific vegetation column. A generic code is given for the predominant species of plant(s) found in greatest abundance at the study site. If a species is not indicated, it is the same as the predominant species listed under the heading Plant Community.

- Ar** *Artemisia tridentata*
- Atf** *Atriplex confertifolia*
- Atn** *Atriplex canescens*
- Br** *Bromus rubens*
- Ch** *Chrysothamnus paniculatus*
- Co** *Coleogyne ramosissima*
- Da** *Dalea fremontii*
- Ep** *Ephedra nevadensis*
- Er** *Eriogonum* spp.
- Eu** *Eurotia lanata*
- Fr** *Franseria dumosa*
- Gr** *Grayia spinosa*
- Hy** *Hymenoclea salsola*
- Ko** *Kochia americana*
- Kr** *Krameria parvifolia*
- La** *Larrea divaricata*
- Lya** *Lycium andersonii*
- Lyp** *Lycium pallidum*
- Lyr** *Lycium rickardii*
- Me** *Menodora spinescens*
- Or** *Oryzopsis hymenoides*
- Pi** *Pinus monophylla*

- Sa *Salsola kali*
 St *Stipa speciosa*
 Te *Tetradymia glabrata*
 Var Several species of shrubs with no clearly predominant species
 Yub *Yucca brevifolia*
 Yus *Yucca schidigera*

Map reference location column. The geographic position of a study site may be located on Figure 1 by following the coordinates of the number and letter indicated under this column heading.

Descriptive location column. In conjunction with the Map Reference Location coordinates, this description is designed as a guide to the near vicinity of the study site. Reference points have been used which (1) are indicated on Figure 1, (2) are easily identifiable landmarks, and (3) are expected to be continually identifiable at the Nevada Test Site in future years.

- GZ Ground zero in the area indicated
 N North
 E East
 S South
 W West

Many of our identified specimens have been deposited in museums and institutions of higher learning (see pages 14-15). Specialists who identified these were listed by Allred, Beck, and Jorgensen (1963). Other specimens, as yet unidentified, have been stored at Brigham Young University and are available to interested scientists. In our ecological studies we assigned each specimen a collection code in addition to the usual collection information of date, locality, and collector. The code was used to facilitate computer analyses of our ecological data. Without descriptive interpretation of the code on the label, each specimen is limited in its use by any specialist who may want ecological information about collections made at the test site. Interpretation of our codification may be obtained by examination of two specific examples which follow.

The test site has been divided into areas as discussed above (Fig. 1). In area 5 at study site A we established a quadrat-type study. At

specific intervals along each of the 12 transects of the quadrat we established collection stations. At some of the stations we placed can pit-traps. On one of the collecting dates a scorpion was trapped in the can at station 10 on transect L. The collection code assigned to that specimen was 5AL10C. This means: collected at Nevada Test Site area 5, at B.Y.U. study site A, along transect L, at station 10, in a can pit-trap.

Another example of this same codification system is TCAS. This means: collected at Nevada Test Site area T, at B.Y.U. study site C, along transect A, in a Museum Special trap. This particular study was one of many area sampling studies consisting of one or two parallel transects with traps spaced at regular intervals. In sampling studies such as this no record was made of the specific station at which the animal was caught. Consequently, the station number symbol was omitted. Variation in code letters and numbers may occur, but the basic principle of the codification system is the same in all instances.

With the code as a basis, one may obtain specific ecological information about each specimen by referring to Table 1. Letters used in the codes for methods of collection are as follows:

- A Aerial insect net
 B Berlese funnel
 C Can pit-trap
 G Gun
 H Picked up by hand
 I Sight observation
 IF Fecal sign
 IS Sound of voice
 IT Tracks
 K Hava-hart, live-catch trap
 L Allred live-catch trap
 M Japanese mist net
 N Sherman live-catch trap
 S Museum Special or Oneida-Victor trap
 T Incandescent light-trap
 TB Black-light (ultra-violet) trap
 U Wire funnel trap
 V Killed by vehicle
 W Sweep net
 Y Young-type, live-catch trap

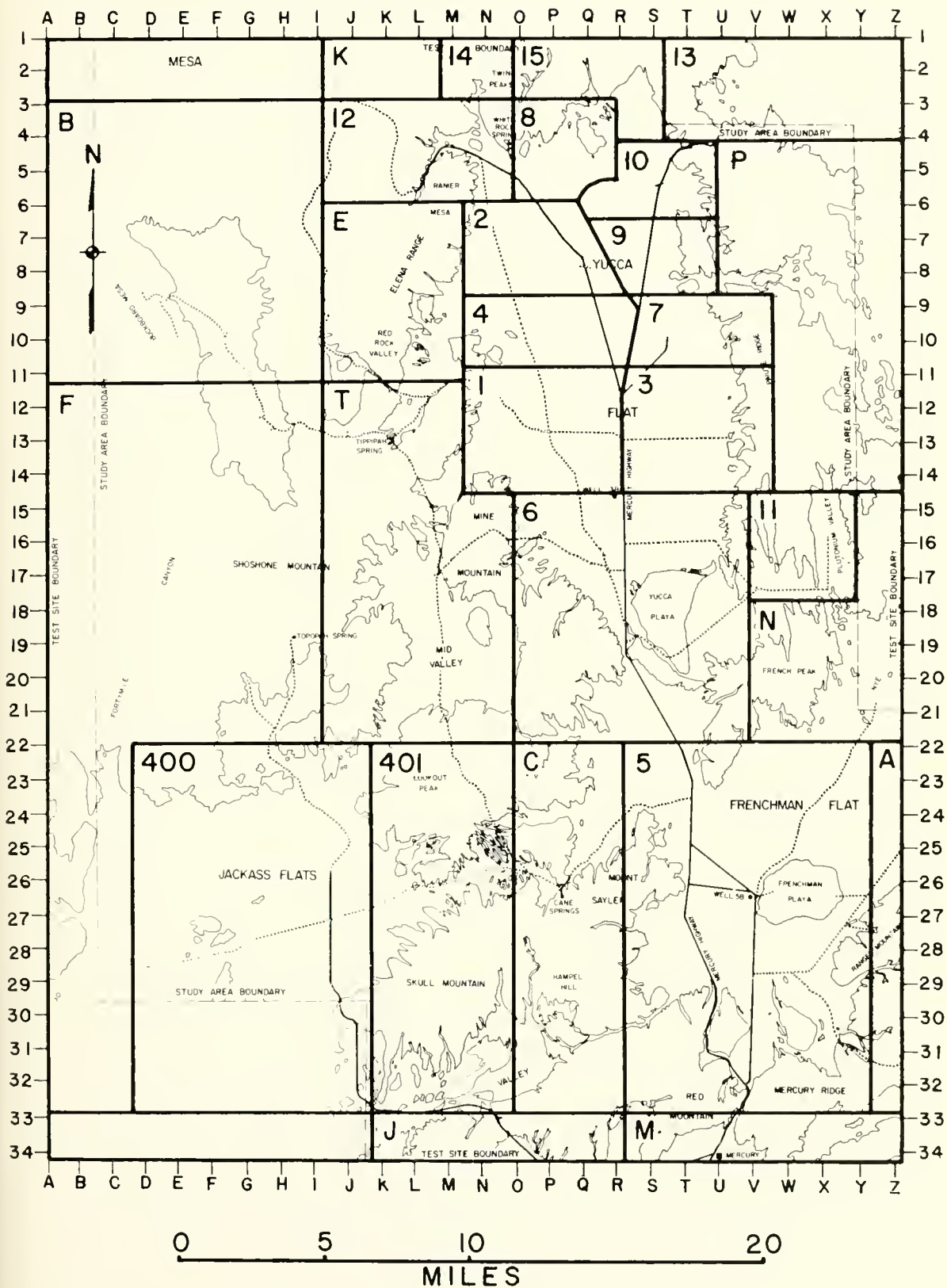


Fig. 1. Study Areas at the Nevada Test Site

Table 1. Study Areas of Brigham Young University at the Nevada Test Site

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
1	A	Q	Gr-Ly		Q13	1.3 miles W of Mercury Highway, 100 yards S of GZ-1 road
1	B	RT	Gr-Ly	Var	P13	GZ-1 to radius of 1.5 miles
1	CA	ST	Gr-Ly		Q13	1.5 miles E of GZ-1
1	CB	PT	Gr-Ly		Q13	Same
1	CC	PT	Gr-Ly		N13	2.1 miles S of Tippipah Spring, thence 3.8 miles E
1	CD	ST	Mixed		N12	3 miles W of GZ-1
1	D	Q	Gr-Ly		Q11	2 miles NNE of GZ-1
1	EA	B	Sa		P13	150 yard radius, 1320 ft SE of GZ-1
1	F	Q	Sa		Q13	3168 ft ESE of GZ-1
1	G	Q	Gr-Ly		Q12	0.9 mile ENE of GZ-1
1	H	RT	Gr-Ly		R12	2.6 miles N of Well 3B, thence 0.7 mile W of Mercury Highway
1	I	RT	Gr-Ly		Q12	2.6 miles N of Well 3B, thence 1 mile W of Mercury Highway
1	J	RT	Gr-Ly		R12	2.6 miles N of Well 3B, thence 0.4 mile W of Mercury Highway
2	CA	ST	Co		O6	11 miles N of Well 3B on Rainier Mesa road, thence 100 yards S
2	CB	PT	Co		O6	2.4 miles SE Area 12 residence area, S side of Rainier Mesa road
2	CC	PT	Gr-Ly	Atf-Eu	P8	0.5 mile W of Mercury Highway alongside GZ-2 road
2	CD	PT	Co	Er	O8	2.3 miles W of Mercury Highway alongside GZ-2 road
2	CE	PT	Co		N8	3.3 miles W of Mercury Highway alongside GZ-2 road
2	CF	PT	Co	St	O9	7.7 miles N of Well 3B, thence 2.1 miles W of Rainier Mesa road
2	DA	B	Co		P6	11 miles N of Well 3B on Rainier Mesa road, thence 100 yards S
3	CA	ST	Gr-Ly	Atf-Eu	R13	1.5 miles N of Well 3B, thence 0.6 mile E
3	CB	ST	Sa		S13	1 mile E of Mercury Highway alongside GZ-3 road
3	CC	ST	Sa		T13	1 mile E of GZ-3
3	CD	PT	Co	Yub-La	V14	1.4 miles N of Well 3B, thence 0.3 mile NE, thence 3.8 miles E
3	CE	PT	Co	Kr-Da	V14	1.4 miles N of Well 3B, thence 0.3 mile NE, thence 3.6 miles E
3	CF	PT	Co	Yub-Te	V14	1.4 miles N of Well 3B, thence 0.3 mile NE, thence 3.1 miles E
3	CG	PT	Gr-Ly	Te-Lya	T14	1.4 miles N of Well 3B, thence 0.3 mile NE, thence 2.8 miles E
3	CH	PT	Mixed		T14	1.4 miles N of Well 3B, thence 0.3 mile NE, thence 2.5 miles E
3	CI	PT	At-Ko		T14	1.4 miles N of Well 3B, thence 0.3 mile NE, thence 2.3 miles E
3	CJ	ST	Sa		S13	2 miles E of Mercury Highway alongside GZ-3 road

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
3	CK	PT	Sa		T13	2.3 miles E of Mercury Highway alongside GZ-3 road
3	CL	PT	Sa	Me	T13	2 miles E of Mercury Highway alongside GZ-3 road
3	CM	PT	Sa		S13	0.7 mile E of Mercury Highway alongside GZ-3 road
4	A	Q	Gr-Ly		Q11	4.6 miles N of Well 3B along Rainier Mesa road, thence 1 mile W
4	CA	ST	Gr-Ly		P9	0.5 mile W of Mercury Highway alongside GZ-4 road
4	CB	ST	Gr-Ly		P11	4.2 miles N of Well 3B along Rainier Mesa road, thence 2 miles W
4	CC	ST	Gr-Ly		N9	2.4 miles W of GZ-4
4	CD	ST	Gr-Ly		N9	2.1 miles W of GZ-4
4	CE	ST	Gr-Ly		N9	1.8 miles W of GZ-4
4	CF	ST	Gr-Ly		N9	1.5 miles W of GZ-4
4	CG	ST	Gr-Ly		P11	4.2 miles N of Well 3B along Rainier Mesa road, thence 1 mile W
4	CH	PT	Gr-Ly		Q11	4.2 miles N of Well 3B along Rainier Mesa road, thence 0.5 mile W
4	CI	ST	Sa		P9	0.6 mile NE of GZ-4
4	CJ	PT	Co	St	O10	3.5 miles N of Well 3B, thence 2.1 miles W of Rainier Mesa road
4	CK	PT	Co	Hy	P11	3.4 miles N of Well 3B, thence 2.1 miles W of Rainier Mesa road
4	DA	B	Gr-Ly	Gr	Q11	4.2 miles N of Well 3B along Rainier Mesa road, thence 1 mile W
4	DB	B	Gr-Ly	Lya	Q11	Same
5	A	Q	La-Fr	La	T26	0.2 mile E of Mercury Highway S of Well 5B road
5	B	RT	La-Fr	La	T24	0.2 mile W of Mercury Highway and 0.2 mile N of Cane Springs road
5	CA	ST	La-Fr	La	T26	0.2 mile E of Mercury Highway S of Well 5B road
5	CB	ST	La-Fr	Lyp	T27	0.3 mile E of Mercury Highway, 1 mile S of Well 5B road
5	CC	ST	La-Fr	Er	T26	0.5 mile S of Well 5B road, W of Mercury Highway
5	CD	ST	La-Fr	Er-La	T26	Same
5	CE	ST	La-Fr	La	T26	Same
5	CF	ST	La-Fr	Er	T26	Same
5	CG	ST	La-Fr	Atn	X27	SE corner Frenchman playa, alongside deep fissure
5	CH	ST	Mixed		V33	1.9 miles NE of Mercury along Mercury Highway, thence 0.2 mile E
5	CI	ST	Mixed		X27	2.5 miles ESE of Well 5B on Frenchman playa
5	CJ	ST	Mixed		W27	1.3 miles ESE of Well 5B on Frenchman playa
5	CK	ST	Mixed		V32	2.9 miles NE of Mercury along Mercury Highway, thence 0.3 mile E

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
5	CL	ST	Mixed		V33	1.9 miles NE of Mercury along Mercury Highway, thence 0.5 mile E
5	CM	ST	La-Fr	La	T24	W of Mercury Highway 0.1 mile N of Cane Springs road
5	CN	ST	La-Fr		Z26	6 miles E of Well 5B
5	CO	ST	La-Fr	Lyp	U27	0.7 mile E of Mercury Highway, 1 mile S of Well 5B road
5	CP	PT	La-Fr	Lyp	U27	1 mile E of Mercury Highway, 1 mile S of Well 5B road
5	CQ	ST	La-Fr'	La	T26	0.3 mile E of Mercury Highway, N of Well 5B road
5	CR	PT	La-Fr	Lyp	T29	8.5 miles N of Mercury along Mercury Highway, thence 1.1 miles W
5	CS	PT	La-Fr	Lyp	U27	1.5 miles SW of Well 5B, thence 0.2 mile S
5	CT	PT	La-Fr	Lyp	V28	1.7 miles S of Well 5B
5	CU	PT	La-Fr	Atf	V26	0.9 mile NE of Well 5B
5	CV	PT	La-Fr	Atn	V26	1 mile NE of Well 5B
5	CW	PT	Mixed		V26	0.6 mile NE of Well 5B
5	CX	PT	La-Fr	La	U26	1.1 miles NW of Well 5B
5	CY	PT	La-Fr	Atf-Lyp	V27	0.3 mile S of Well 5B
5	CZ	PT	La-Fr	Lyp-La	V28	2.1 miles S of Well 5B
5	DA	B	La-Fr	La	U26	0.3 mile E of Mercury Highway, N of Well 5B road
5	DB	B	La-Fr	Lyp	U27	1.1 miles E of Mercury Highway, thence 1 mile S of Well 5B road
5	E	Q	La-Fr	Lyp	U27	Same
5	F	M	La-Fr	La	V26	Environs of Well 5B
5	G	M	La-Fr	La	S24	2 miles W of Mercury Highway alongside Cane Springs road
5	HA	PT	La-Fr	La	V29	2.8 miles S of Well 5B
5	HB	PT	Mixed		V30	4.3 miles S of Well 5B
5	HC	PT	Mixed		T31	5.5 miles N of Mercury, 0.5 mile W of Mercury Highway
5	HD	PT	La-Fr	Co-La	U31	4.8 miles N of Mercury alongside Mercury Highway
5	HE	PT	La-Fr	Co	U32	3.8 miles N of Mercury, 0.8 mile SW of Mercury Highway
5	HF	PT	La-Fr	Atn	X27	2.3 miles E of Well 5B, thence 0.8 mile SE
5	HG	PT	La-Fr		X27	2.3 miles E of Well 5B, thence 1.1 miles SE
5	HH	PT	La-Fr	Lyr	Y27	2.3 miles E of Well 5B, thence 1.6 miles SE
5	HI	PT	La-Fr	La	X24	4 miles NE of Well 5B
5	HJ	PT	La-Fr	La	Y25	4 miles NE of Well 5B, thence 1.9 miles SE
5	HK	PT	La-Fr		W24	2.4 miles NE of Well 5B, thence 2 miles N
5	HL	PT	La-Fr	Ep	W23	2.4 miles NE of Well 5B, thence 2.8 miles N

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
5	HM	PT	La-Fr	Ep-Fr	W22	2.4 miles NE of Well 5B, thence 4 miles N
5	HN	PT	Mixed		Y27	2.3 miles E of Well 5B, thence 2.1 miles SE, thence 0.3 mile E
5	HO	PT	Mixed		V33	1.9 miles NE of Mercury along Mercury Highway, thence 1 mile E
5	HP	ST	La-Fr	La	U23	0.9 mile N of Cane Springs road, 1 mile E of Mercury Highway
5	HQ	ST	Sa		X27	2.4 miles E of Well 5B in center of Frenchman playa
5	HR	ST	Mixed		U31	4.4 miles NE of Mercury along Mercury Highway, thence 0.2 mile S
5	HS	ST	Mixed		T26	0.2 mile W of junction of Well 5B road and Mercury Highway
5	P	M	Playa		W26	Frenchman playa
6	A	Q	At-Ko		S15	0.5 mile S of Well 3B, thence 0.6 mile E
6	B	RT	At-Ko		S15	0.2 mile S of Well 3B, thence 1.2 miles E
6	CA	ST	At-Ko		S15	0.5 mile S of Well 3B, thence 0.6 mile E
6	CB	ST	Co	Yub-Co	R17	3.2 miles S of Well 3B, thence 0.8 mile W
6	CC	ST	Co	Yub-Co	R17	Same
6	CD	ST	Co	Yub-Co	R17	Same
6	CE	ST	Co	Yub-Co	R17	Same
6	CF	ST	Gr-Ly	Atf-Te	U15	1.2 miles S of Well 3B, thence 3.5 miles E
6	CG	ST	Gr-Ly	Atf	U15	Same
6	CH	ST	Mixed		S17	3.7 miles S of Well 3B, thence 0.5 mile E
6	CI	ST	Mixed		R17	3.7 miles S of Well 3B, thence 0.5 mile W
6	CJ	ST	Gr-Ly	Atf-Te	U15	1.2 miles S of Well 3B, thence 3.5 miles E
6	CK	ST	Mixed		R17	3.7 miles S of Well 3B, thence 0.1 mile E
6	CL	ST	Mixed		S17	3.7 miles S of Well 3B, thence 1 mile E
6	CM	ST	Mixed		S17	Same
6	CN	ST	Mixed		S17	Same
6	CO	ST	Mixed		S17	Same
6	CP	ST	At-Ko		S17	Same
6	CQ	ST	La-Fr	La	S17	Same
6	CR	PT	Co		O15	0.7 mile S of Well 3B, thence 4.6 miles W
6	CS	PT	Gr-Ly		O15	0.7 mile S of Well 3B, thence 3.5 miles W
6	CT	PT	La-Fr	Co-La	O15	0.7 mile S of Well 3B, thence 3.4 miles W

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
6	CU ¹	PT	Co	Co-Atf	P15	0.7 mile S of Well 3B, thence 3.1 miles W
6	CV	PT	Gr-Ly		Q15	0.7 mile S of Well 3B, thence 1.1 miles W
6	CW	PT	Gr-Ly	Atf-Eu	Q15	0.6 mile W of Well 3B
6	CX	PT	Gr-Ly	Atf	Q15	0.7 mile S of Well 3B, thence 0.6 mile W
6	CY	PT	Gr-Ly	Atf	Q15	0.7 mile S of Well 3B, thence 0.4 mile W
6	CZ	PT	Co	Yub-Co	Q17	1.8 miles S of Well 3B, thence 0.8 mile W, thence 0.3 mile SW
6	DA	B	At-Ko	Atf	S15	0.5 mile S of Well 3B, thence 0.6 mile E
6	DB	B	At-Ko	Ko	S15	Same
6	DC	B	Gr-Ly	Eu	R15	Environs of Well 3B
6	DD	B	Gr-Ly	Atn	R17	3.2 miles S of Well 3B
6	DE	B	Co	Yub	R18	4.7 miles S of Well 3B
6	E	M	Gr-Ly		R15	Environs of Well 3B
6	FA	PT	Co	Yub-Co	Q17	2.7 miles S of Well 3B, thence 0.8 mile W
6	FB	PT	Co	Yub-Atf	R17	1.8 miles S of Well 3B, thence 0.7 mile W
6	FC	PT	Mixed		T20	SE corner Yucca playa
6	FD	PT	At-Ko	Ko	T19	1.4 miles N of SE corner of Yucca playa
6	FE	PT	At-Ko		T18	2.3 miles N of SE corner of Yucca playa
6	FF	PT	Mixed		U18	2.3 miles N of SE corner of Yucca playa, thence 0.7 mile E
6	FG	PT	La-Fr	La	S22	3.2 miles N of Cane Springs road, thence 100 yards W of Mercury Highway
6	FH	PT	La-Fr	Co-La	S21	4.6 miles N of Cane Springs road, thence 100 yards W of Mercury Highway
6	FI	PT	La-Fr	Co-La	R20	5.8 miles N of Cane Springs road, thence 100 yards W of Mercury Highway
6	FJ	ST	Mixed		P19	5.7 miles S of Well 3B, thence 3.4 miles W
6	FK	ST	Mixed		P19	Same
6	FL	ST	Mixed		T20	0.7 mile ESE of SE corner of Yucca playa
6	FM	ST	Mixed		U15	0.5 mile S of Well 3B, thence 3.1 miles E
6	P	M	Playa		S18	Yucca playa
7	CA	ST	Sa		S10	5.9 miles N of Well 3B alongside Groom Lake road
7	CB	ST	Mixed		U9	3.2 miles N of Well 3B, thence 5.5 miles NE
7	CC	PT	Sa		S11	3.2 miles N of Well 3B, thence 1.2 miles NE

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
7	CD	PT	Sa		S11	3.2 miles N of Well 3B, thence 1.7 miles NE
7	CE	PT	Sa		T9	3.2 miles N of Well 3B, thence 3.4 miles NE
8	CA	ST	Sa		Q5	0.3 mile S of GZ-8
8	CB	ST	Sa		Q5	0.2 mile SE of GZ-8
8	CC	PT	Sa		P5	1.2 miles W of Scooter crater, thence 1.1 miles N
9	CA	ST	Sa		S8	8.9 miles N of Well 3B alongside Groom Lake road
9	CB	PT	Sa		S8	7.9 miles N of Well 3B along Groom Lake road, thence 1.1 miles NE
9	CC	PT	Sa		S8	7.9 miles N of Well 3B along Groom Lake road, thence 0.4 mile NE
9	CD	PT	Mixed		S9	6.8 miles N of Well 3B along Groom Lake road, thence 0.5 mile E
9	CE	PT	Sa		S9	6.8 miles N of Well 3B along Groom Lake road, thence 0.2 mile E
9	CF	PT	Sa	Sa-Atf	R10	5.4 miles N of Well 3B alongside Groom Lake road
10	A	Q	Sa		S7	9 miles N of Well 3B alongside Groom Lake road
10	B	RT	Mixed		R7	9 miles N of Well 3B along Groom Lake road, thence 0.4 mile W
10	CA	ST	Gr-Ly		R7	9.5 miles N of Well 3B along Groom Lake road, thence 1 mile W
10	CB	ST	Co	Co-La	R7	10 miles N of Well 3B along Groom Lake road, thence 0.6 mile W
10	CC	ST	Co	La	S7	9.5 miles N of Well 3B alongside Groom Lake road
10	CD	ST	Gr-Ly		S7	9.2 miles N of Well 3B alongside Groom Lake road
10	CE	ST	Sa		S7	9 miles N of Well 3B along Groom Lake road, thence 0.5 mile E
10	CF	ST	Gr-Ly	Lya-Atf	T7	9 miles N of Well 3B along Groom Lake road, thence 0.6 mile W
10	CG	ST	Co	Or	S7	9 miles N of Well 3B alongside Groom Lake road
10	CH	ST	Co		T7	9 miles N of Well 3B along Groom Lake road, thence 1 mile E
10	CI	ST	Co		T7	Same
10	CJ	ST	Mixed		R5	11.5 miles N of Well 3B along Groom Lake road, thence 1.6 miles NW
10	CK	PT	Sa		S5	Environs N of Scooter crater
10	CL	PT	Sa		R5	0.6 mile W of Scooter crater
10	CM	PT	Co	St	Q6	1.2 miles W of Scooter crater
10	CN	PT	Gr-Ly	St-Gr	Q6	1.2 miles WSW of Scooter crater
10	D	Q	Co		S7	9.5 miles N of Well 3B along Groom Lake road, thence 0.5 mile E
10	E	RT	Gr-Ly		R5	0.6 mile NNE of Sedan crater

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
10	S	Q, ST	Gr-Ly		R5	10.5 miles N of Well 3B along Groom Lake road, thence 0.3 mile W
11	CA	ST	Mixed		W16	GZ station 11-D
11	CB	ST	Mixed		W16	GZ station 11-C
12	A	Q	Pi-Ju		L5	0.7 mile S of Y on E edge of Rainier Mesa
12	B	PT	Pi-Ju		L5	0.5 mile S of Y on E edge of Rainier Mesa
12	CA	ST	Pi-Ju		L5	Same
12	CB	ST	Pi-Ju		L5	Same
12	CC	ST	Pi-Ju		L4	0.3 mile W of Y on Rainier Mesa
12	CD	ST	Pi-Ju	Grasses	L5	0.5 mile S of Y along E edge of Rainier Mesa, thence 0.1 mile W
12	CE	ST	Pi-Ju		L5	0.7 mile S of Y on E edge of Rainier Mesa
12	CF	PT	Pi-Ju	Ar	J4	3.2 miles W of Y on Rainier Mesa
12	CG	PT	Pi-Ju	Ar	I4	3.7 miles W of Y on Rainier Mesa
12	CH	PT	Co		N4	S of Rainier Mesa road near Area 12 residence area
12	CI	ST	Mixed		O4	Environs of White Rock Spring
12	CJ	ST	Mixed		O4	0.3 mile S of White Rock Spring
12	CK	ST	Pi-Ju		L5	0.7 mile S of Y along E edge of Rainier Mesa, thence 0.5 mile W
12	CL	ST	Pi-Ju	Ar	L6	1.4 miles S of Y along E edge of Rainier Mesa
12	CM	ST	Pi-Ju		L6	1.8 miles S of Y along E edge of Rainier Mesa
12	CN	ST	Pi-Ju		J4	2.4 miles W of Y on Rainier Mesa
12	D	M	Mixed		O4	Environs of White Rock Spring
12	E	Q	Pi-Ju		L4	0.5 mile W of Y on Rainier Mesa, thence 0.5 mile S
12	F	M	Pi-Ju	Pi	*	Gold Meadow *(off map N of symbol K)
12	G	M	Pi-Ju		L4	Semi-permanent puddle, 100 yards W of Y on Rainier Mesa
13	CA	ST	Gr-Ly	Eu-Atf	U3	15.8 miles NE of Well 3B along Groom Lake road, thence 1 mile N
13	E	M	Pi-Ju		*	Environs of Bald Mountain *(off map N of symbol Y)
15	CA	ST	Mixed		R3	14 miles N of Well 3B, thence 1.2 miles NW
15	CB	ST	Mixed		R3	14 miles N of Well 3B, thence 1 mile NW
15	CC	ST	Mixed		S4	11 miles NE of Well 3B along Groom Lake road, thence 1.5 miles N
400	CA	PT	La-Fr	La	J27	0.7 mile E of Jackass Flats Highway, alongside Cane Springs road
400	CB	PT	La-Fr		J27	0.3 mile E of Jackass Flats Highway, alongside Cane Springs road

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
400	CC	PT	La-Fr		I27	0.4 mile W of Jackass Flats Highway, W of Cane Springs road junction
400	CD	PT	La-Fr		H27	1.5 miles W of Jackass Flats Highway, W of Cane Springs road junction
400	CE	PT	La-Fr		F28	4 miles W of Jackass Flats Highway, W of Cane Springs road junction
400	CF	ST	Mixed		J29	3.3 miles SSE of junction of Jackass Flats Highway and Cane Springs road
400	CG	PT	La-Fr	Lya	J33	13.5 miles NW of Mercury along Jackass Flats Highway, thence 1.5 miles W
400	CH	PT	La-Fr	Mc-Eu	J25	2.9 miles N of junction of Jackass Flats Highway and Cane Springs road alongside Topopah Spring road
400	CI	PT	La-Fr	Co	J25	3.1 miles N of junction of Jackass Flats Highway and Cane Springs road alongside Topopah Spring road
400	CJ	PT	La-Fr	Co	H24	5.1 miles N of junction of Jackass Flats Highway and Cane Springs road alongside Topopah Spring road
400	E	M	La-Fr	La	J27	1.3 miles E of Jackass Flats Highway alongside Cane Springs road
401	CA	PT	La-Fr		K33	13.9 miles NW of Mercury alongside Jackass Flats Highway
401	CB	PT	Mixed		M26	4.1 miles E of Jackass Flats Highway alongside Cane Springs road
401	CC	PT	La-Fr	Co-Gr	M26	3 miles W of Cane Springs alongside Cane Springs road
401	CD	PT	La-Fr	Lya	N30	10.5 miles W of Mercury along Jackass Flats Highway, thence 4 miles N
401	CE	PT	Mixed		M31	10.5 miles W of Mercury along Jackass Flats Highway, thence 3.8 miles N
401	CF	PT	Mixed		M32	10.5 miles W of Mercury along Jackass Flats Highway, thence 1 mile N
401	CG	PT	La-Fr	Lya	L33	13.5 miles W of Mercury along Jackass Flats Highway, thence 0.3 mile SW
401	CH	PT	La-Fr	Lya	L33	13.5 miles W of Mercury along Jackass Flats Highway, thence 0.6 mile SW
A	CA	PT	Mixed		Z27	2.3 miles E of Well 5B, thence 2.1 miles SE, thence 0.6 mile E
A	CB	PT	Mixed		Z27	2.3 miles E of Well 5B, thence 2.1 miles SE, thence 1.3 miles E

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
A	CC	ST	Mixed		Z27	5.3 miles ESE of Well 5B
B	CA	PT	Gr-Ly		G11	8.4 miles NW of Tippipah Spring alongside Basalt Area road
B	CB	PT	Gr-Ly	Ar	F10	11.1 miles NW of Tippipah Spring alongside Basalt Area road
B	CC	PT	Gr-Ly	Gr-Ar	E9	12.3 miles NW of Tippipah Spring alongside Basalt Area road
B	CD	PT	Gr-Ly		D10	13.7 miles NW of Tippipah Spring along Basalt Area road, thence 1.5 miles S
B	CE	PT	Gr-Ly	Ar	D10	Same
B	CF	PT	Gr-Ly	Ar	D9	17.4 miles NW of Tippipah Spring alongside Basalt Area road
C	B	ST	Mixed		P26	Environs of Cane Springs
C	CA	ST	Co		O25	1.9 miles NW of Cane Springs, thence 1.2 miles NE
C	CB	PT	La-Fr	Co-Ep	O26	1.5 miles W of Cane Springs along Cane Springs road, thence 200 yards S
C	CC	PT	La-Fr	Co	O26	1.5 miles W of Cane Springs along Cane Springs road, thence 400 yards S
C	CD	ST	Mixed		P29	6 miles W of Mercury along Jackass Flats Highway, thence 8.3 miles N
C	E	V	Aquatic		P26	Cane Springs pond
E	CA	PT	Co	Var	J11	0.5 mile NE of Tippipah Spring, thence 5.6 miles NW
E	CB	PT	Co	Ar	J11	0.5 mile NE of Tippipah Spring, thence 7.5 miles NW
E	CC	PT	Co	Ar	K11	0.5 mile NE of Tippipah Spring, thence 5 miles NW
E	CD	PT	Pi-Ju		M6	0.8 mile SW of Area 12 residence area, thence 2.2 miles S
E	CE	PT	Pi-Ju	Ar-Pi	M6	0.8 mile SW of Area 12 residence area, thence 1.8 miles S
E	CF	PT	Co	Ar	M6	0.8 mile SW of Area 12 residence area, thence 1.4 miles S
E	CG	ST	Pi-Ju		L6	2.5 miles SW of Area 12 residence area
E	CH	ST	Mixed		L6	1.5 miles S of Area 12 garbage dump
E	CI	ST	Mixed		I11	0.5 mile NE of Tippipah Spring, thence 3.4 miles NW, thence 1 mile SW
E	CJ	ST	Co	Ar	L7	2 miles S of Area 12 garbage dump
F	CA	ST	La-Fr	Hy	C26	6.7 miles W of Jackass Flats Highway, opposite junction of Cane Springs road, thence 3 miles N
F	CB	PT	La-Fr	Fr	D28	5.8 miles W of Jackass Flats Highway, opposite junction of Cane Springs road

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
F	CC	PT	La-Fr	Fr	C28	6.7 miles W of Jackass Flats Highway, opposite junction of Cane Springs road
F	CD	ST	Mixed		C28	6.8 miles W of Jackass Flats Highway, opposite junction of Cane Springs road, thence 1 mile N
F	CE	ST	Mixed		C25	6.8 miles W of Jackass Flats Highway, opposite junction of Cane Springs road, thence 4 miles N
F	CF	PT	Co	Ar	H12	3.7 miles NW of Tippipah Spring along Basalt Area road, thence 0.1 mile N
F	CG	PT	Co	Br	H21	7.8 miles N of junction of Jackass Flats Highway and Cane Springs road, alongside Topopah Spring road
F	CH	PT	Co		H21	Same
F	CI	PT	Co	St-Ep	G21	8.9 miles N of junction of Jackass Flats Highway and Cane Springs road, alongside Topopah Spring road
F	CJ	PT	Co	St-Ep	G20	10 miles N of junction of Jackass Flats Highway and Cane Springs road, alongside Topopah Spring road
J	A	Q	Mixed		N34	9.3 miles W of Mercury along Jackass Flats Highway, thence 1000 ft SW
J	CA	ST	Mixed		N34	9.3 miles W of Mercury along Jackass Flats Highway, thence 500 ft W
J	CB	ST	Mixed		*	3.8 miles W of Mercury alongside Jackass Flats Highway *(off map S of symbol Q)
J	CC	ST	La-Fr	Yus-La	*	2.3 miles W of Mercury alongside Jackass Flats Highway *(off map S of symbol R)
J	CD	PT	Mixed		*	3.5 miles W of Mercury alongside Jackass Flats Highway *(off map S of symbol Q)
J	CE	PT	Mixed		O33	8.9 miles W of Mercury alongside Jackass Flats Highway
K	E	M	Ar	Ar-Ju	*	8 miles N of Gold Meadow *(off map N of symbol K)
M	CA	ST	Mixed		U33	1 mile NE of Mercury alongside Mercury Highway
M	CC	PT	Mixed		T33	0.6 mile NE of Mercury along Mercury Highway, thence 1.5 miles W
M	CD	ST	Mixed		*	3.5 miles S of Mercury along Mercury Highway toward Highway 95, thence 4.3 miles NE *(off map S of symbol S)
M	D	M	Mixed		U34	Environs of Mercury
M	E	M	Mixed		U34	Mercury sewage disposal area

Area	Study Site and Transect	Type of Study	Plant Community	Specific Vegetation	Map Reference Location	Descriptive Location
M	F	M	Mixed		*	Spotted Mountain Range, SE of Mercury *(off map S of symbol X)
N	CA	PT	La-Fr		Y22	2.4 miles NE of Well 5B, thence 5.3 miles N
N	CB	ST	Mixed		Y21	7.8 miles NE of Well 5B
N	CC	ST	Mixed		Y21	7.5 miles NE of Well 5B
T	A	Q	Co	Ar	M16	4.4 miles S of Tippipah Spring
T	CA	ST	Co	Ar	K13	Environs of Tippipah Spring
T	CB	ST	Co	Ch	K13	Same
T	CC	PT	Co	Ar	L16	3.7 miles S of Tippipah Spring
T	CD	PT	Co	Ar	L16	4.1 miles S of Tippipah Spring
T	CE	PT	Co	Ar	L17	4.7 miles S of Tippipah Spring
T	CF	PT	Co	Co-Ar	M17	5 miles S of Tippipah Spring
T	CG	PT	Co		M17	5.3 miles S of Tippipah Spring
T	CH	PT	Co		L15	2.4 miles S of Tippipah Spring
T	CI	PT	Co	Co-Ar	L14	2.2 miles S of Tippipah Spring
T	CJ	PT	Mixed		M14	2.1 miles S of Tippipah Spring along Mid Valley road, thence 1.4 miles E
T	CK	PT	Mixed		M14	Same
T	CL	ST	Mixed		M16	1.9 miles S of Well 3B, thence 6.5 miles W
T	CM	ST	Mixed		K13	0.3 mile S of Tippipah Spring
T	CN	ST	Mixed		J13	2 miles W of Tippipah Spring, thence 0.3 mile S
T	CO	ST	Mixed		K13	0.2 mile W of Tippipah Spring
T	CP	ST	Mixed		L17	4.4 miles S of Tippipah Spring, thence 1 mile SW
T	CQ	ST	Mixed		K18	4.4 miles S of Tippipah Spring, thence 3 miles SW
T	E	M	Mixed		K13	Environs of Tippipah Spring

DEPOSITORIES OF NEVADA TEST SITE ANIMAL SPECIMENS

- American Museum of Natural History, New York, New York
Isopods, scorpions, ants, beetles, grasshoppers and other orthopterans
- Brigham Young University, Provo, Utah
All taxonomic groups
- California Academy of Sciences, San Francisco, California
Isopods, scorpions, ants, beetles, grasshoppers and other orthopterans
- Canada Department of Agriculture, Ottawa, Ontario, Canada
Beetles, mainly Scarabaeidae
- Chicago Natural History Museum, Chicago, Illinois
Isopods, scorpions, ants, beetles, grasshoppers and other orthopterans
- Dixie College, St. George, Utah
Lizards, scorpions, ants, beetles, grasshoppers and other orthopterans
- Museum of Comparative Zoology (Harvard), Cambridge, Massachusetts
Isopods, scorpions, ants, beetles, grasshoppers and other orthopterans
- New Mexico Highlands University, Las Vegas, New Mexico
Lizards

9. Philadelphia Academy of Natural Sciences, Philadelphia, Pennsylvania
Isopods, scorpions, ants, beetles, grasshoppers and other orthopterans
10. University of California, Los Angeles, California
Mammals
11. University of Michigan, Ann Arbor, Michigan
Scorpions, ants, beetles, grasshoppers and other orthopterans
12. University of Nevada, Las Vegas, Nevada
Mammals, isopods, scorpions, ants, beetles, grasshoppers and other orthopterans
13. University of Nevada, Reno, Nevada
Isopods, scorpions, ants, beetles, grasshoppers and other orthopterans
14. University of Tennessee, Knoxville, Tennessee
Ants
15. University of Utah, Salt Lake City, Utah
Isopods, ants, beetles, grasshoppers and other orthopterans
16. United States National Museum, Washington, D. C.
Isopods, scorpions, ants, beetles, grasshoppers and other orthopterans
17. Utah State University, Logan, Utah
Scorpions, ants, beetles, grasshoppers and other orthopterans

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