SENSITIVE SPECIES of NEVADA

1990 REPORT

Nevada Natural Heritage Program
123 W. Nye Lane, Room 168
Carson City, NV 89710

Bureau of Land Management
Battle Mountain District
The Nevada Natural Heritage Program has assimilated data on endangered, threatened, rare, and sensitive species throughout the state. Our database in Carson City maintains detailed maps, file data, and a computerized information on 110 vertebrates, 60 invertebrates and 228 sensitive plants. The program has computerized 1500 references and 2000 occurrences of sensitive taxa in Nevada. Broader data on distribution, habitat, and general biology of every vertebrate in the state are computerized. Please note that individual records of the desert tortoise and Lahontan cutthroat trout have not been mapped and are not included. These reports should not be considered the final word as our data are gathered from a variety of sources, many are dated, and some areas of the state have never been thoroughly surveyed.

The enclosed listings are sorted by BLM District and include fields pertaining to site information and population status. A complete print out has been supplied to the State Office in Reno. For clarifications, please call the Natural Heritage Program. We hope that these data will be used in a wide array of planning programs in order that our sensitive species will receive appropriate considerations and protection against further losses and habitat deterioration.

We urge field workers to respond with new distributional information, updates on population status, and any elaborations that will assist in the maintenance of a current inventory of the diverse biota of Nevada.

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Key to the Sensitive Species List

Protection Status
Federal Status Key

The standard abbreviations for federal endangerment status as published in the Federal Register by the USFWS, Office of Endangered Species. The status for candidates and their meanings are discussed in each Federal Register notice. The following is a list of the standard USFWS abbreviations used in this field.

LE = Listed endangered
LT = Listed threatened
LELT = Listed endangered in part of range, threatened in a different part
PE = Proposed endangered
PT = Proposed threatened
PEPT = Proposed endangered, threatened
C1 = Candidate, category 1
C1* = C1, but lacking known occurrences
C1** = C1, but lacking known occurrences, except in captivity/cultivation
C2 = Candidate, category 2
C2* = C2, but lacking known occurrences
C2** = C2, but lacking known occurrences, except in captivity/cultivation
3A = Former candidate, rejected because presumed extinct
3B = "", rejected because a synonym or hybrid
3C = "", rejected because more common or adequately protected
S/A = Similarity of appearance species
XN = Nonessential experimental population
XE = Essential experimental population

State Status

NRS: (Fauna) State protection under NRS 501.331, NRS 501.337, NRS 501.375, NRS 501.386. (Yes /No)
NRS: (Flora) State protection under NRS 527
CE: Critically endangered
CY: Cactus and Yucca Law
#: Recommended for critically endangered, pending formal listing

NNNPS: Northern Nevada Native Plant Society Sensitive Species List:

PE - Possibly extinct
W - Watch
D - Deleted
E - Recommended federal endangered
T - Recommended federal threatened
County: NVNYEX - Nye  NVELKO - Elko  NVWASH - Washoe
NVLAND - Lander  NVEURE - Eureka  NVPERS - Pershing
NVSTOR - Storey  NVLYON - Lyon  NVHUMB - Humboldt
NVCLAR - Clark  NVCHUR - Churchill  NVLINC - Lincoln
NVDOUG - Douglas  NVESME - Esmeralda  NVMINE - Mineral
NVWHIT - White Pine
NVCARS - Carson City

Township/Range: "0's" replace "T" and "R" respectively.
   U - Unsurveyed

Precision: Accuracy of locality mappable within ...
   S - three second radius  G - quad or placename
   M - one minute radius  U - unmappable
   SC - Confirmed, exact
   SO or MO - Obscure, element and/or appropriate habitat not
   found in indicated area

Elevation: Reported in feet.

Ownership/Mgmt.:
   BLM - Bureau of Land Management
   USFS - U.S. Forest Service
   USFWS - U.S. Fish & Wildlife Service
   DOE - Department of Energy
   DOD - Department of Defense
   NPS - National Park Service
   BI - Bureau of Indian Affairs
   USAF - U.S. Air Force
   NTS - Nevada Test Site
   Nellis BGR - Nellis Bombing and Gunnery Range
   NSP - Nevada State Parks
   NDOW - Nevada Division of Wildlife
   NDOT - Nevada Department of Transportation

Note: If BLM is not designated as being an Owner/Manager on the
data sheet it has been assumed that there is an association with
the owner or the element occurs near ownership boundaries. We
have additional items in our database (localities on private
lands and other managed areas adjacent to BLM lands) that are not
included in our print outs, even though they do occur within
various BLM Districts. This is particularly true for fish data.
AMPHIBIANS & REPTILES
BUFO NELSONI
AMARGOSA TOAD

PROTECTION STATUS
FEDERAL: C2 NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1891
LAST OBSERVED: 1984-05-06
ELEVATION: 3300
PRECISION: SC
COUNTY: NVNYEX

TOWNHSHIPI/RANGE: 012S047E
SECTION: 07
QUADNAME: BEATTY
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
AMARGOSA RIVER 200 YARDS ABOVE BRIDGE IN BEATTY

GENERAL SITE DESCRIPTION:

SPECIES DATA:
1000 TADPOLES SEEN. NONE SEEN 1 MILE BELOW.

INFO SOURCE: MCCREADY. 1984., MACIOLEK.

OWNERSHIP/MGMT.: BLM/BATTLE MTN, PRIVATE/BEATTY

BUFO NELSONI
AMARGOSA TOAD

PROTECTION STATUS
FEDERAL: C2 NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1891
LAST OBSERVED: 1983-10-29
ELEVATION: 3470
PRECISION: SC
COUNTY: NVNYEX

TOWNHSHIPI/RANGE: 011S047E
SECTION: 27
QUADNAME: BEATTY MTN
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
AMARGOSA RIVER 3.3 MI NE BEATTY. W SIDE OF U.S. HWY 95. MANLY SALVAGE AND U-HAUL AGENCY

GENERAL SITE DESCRIPTION:

SPECIES DATA:
4 SPECIMENS. LOCAL SAYS TOADS ABUNDANT: "NUISANCE WHEN MOWING LAWN W/ ROTARY MOTOR."

INFO SOURCE: MACIOLEK.

OWNERSHIP/MGMT.: PRIVATE/MANLY SALVAGE & U-HAUL
BUFO NELSONI
AMARGOSA TOAD

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1891  ELEVATION: 3810  COUNTY: NVNYEX
LAST OBSERVED: 1983-08-23  PRECISION: SC

TOWNSHIP/RANGE: 010S047E  QUADNAME: SPRINGDALE
SECTION: 31  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
UPPER OASIS VALLEY SPRINGDALE, 8.4 MI N OF BEATTY, E OF U.S. HWY 95

GENERAL SITE DESCRIPTION:
DENSE MARSH. 3 DEVELOPED PONDS.

SPECIES DATA:
TADPOLES.

INFO SOURCE: MACIOLEK.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

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BUFO NELSONI
AMARGOSA TOAD

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1891  ELEVATION: 3780  COUNTY: NVNYEX
LAST OBSERVED: 1983-08-23  PRECISION: SC

TOWNSHIP/RANGE: 010S047E  QUADNAME: THIRSTY CANYON SW
SECTION: 28  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
AMARGOSA RIVER, N. OASIS VALLEY, 8.9 MI NE BEATTY, 1.5 MI N OF U.S. HWY 95

GENERAL SITE DESCRIPTION:
OPEN MARSH, SHALLOW POOLS.

SPECIES DATA:
3 ADULTS (NO DACE).

INFO SOURCE: MACIOLEK.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
BUFO NELSONI
AMARGOSA TOAD

PROTECTION STATUS
FEDERAL: C2 NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1891 ELEVATION: 3360 COUNTY: NVNYEX
LAST OBSERVED: 1983-08-24 PRECISION: SC
TOWNSHIP/RANGE: 012S047E QUADNAME: BEATTY MTN
SECTION: 05 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
AMARGOSA RIVER, LOWER OASIS VALLEY, 1.3 MI NE BEATTY

GENERAL SITE DESCRIPTION:
RIVER CHANNEL, POOLS, SPRING, MARSH. "MOST PRISTINE RIVER AREA."

SPECIES DATA:

INFO SOURCE: MACIOLEK.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

BUFO NELSONI
AMARGOSA TOAD

PROTECTION STATUS
FEDERAL: C2 NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1891 ELEVATION: 4010 COUNTY: NVNYEX
LAST OBSERVED: 1983-08-24 PRECISION: SC
TOWNSHIP/RANGE: 011S046E QUADNAME: BEATTY
SECTION: 26 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
BULLFROG HILLS, INDIAN SPRINGS, 3.2 MI NW OF BEATTY. SEVERAL SPRINGS IN AREA

GENERAL SITE DESCRIPTION:
DRY POOLS AND RUN, VERY LITTLE WATER. SPRINGS TRAMPLED AND OVERGROWN. SPRING,
STREAM, DEVELOPED POND, OPEN MARSH.

SPECIES DATA:
26 ADULTS AT 1 SPRING. 1989 - NO TOADS OR TADS SEEN.

INFO SOURCE: MACIOLEK. ALTIG, R.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
<table>
<thead>
<tr>
<th>BUFO NELSONI</th>
<th>PROTECTION STATUS</th>
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<tbody>
<tr>
<td>AMARGOSA TOAD</td>
<td>FEDERAL: C2 NRS: NONE NNNPS: N/A</td>
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**FIRST OBSERVED:** 1891  
**ELEVATION:** 3970  
**COUNTY:** NVNYEX  
**LAST OBSERVED:** 1983-08-23  
**PRECISION:** SC

**TOWNSHIP/RANGE:** 010S047E  
**QUADNAME:** BEATTY  
**SECTION:** 18  
**TOWNSHIP COMMENT:**

**DIRECTIONS TO SITE:**  
SOUTH CRYSTAL SPRING, 5.2 MI N OF BEATTY. BULLFROG HILLS AND CRYSTAL SPRINGS, 5.4 MI N OF BEATTY

**GENERAL SITE DESCRIPTION:**  
TWO EXCAVATED SPRINGS, MARSHY SEEP, POOL AREA IMPACTED BY FERAL BURROS, ONE POOL FENCED.

**SPECIES DATA:**  
1 ADULT AND TADPOLES. 2 CLUTCHES OF TADPOLES (ABOUT 100 TOTAL) IN LOWER POOL 9 MAY 1990.

**INFO SOURCE:** MACIOLEK. CLEMMER, FIELD STUDY.

**OWNERSHIP/MGMT.:** BLM/BATT, PRIVATE/CRYSTAL SPRGS

<table>
<thead>
<tr>
<th>BUFO NELSONI</th>
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<tbody>
<tr>
<td>AMARGOSA TOAD</td>
<td>FEDERAL: C2 NRS: NONE NNNPS: N/A</td>
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</table>

**FIRST OBSERVED:** 1891  
**ELEVATION:** 3760  
**COUNTY:** NVNYEX  
**LAST OBSERVED:** 1989-95-27  
**PRECISION:** SC

**TOWNSHIP/RANGE:** 010S047E  
**QUADNAME:** THIRSTY CANYON SW  
**SECTION:** 32  
**TOWNSHIP COMMENT:**

**DIRECTIONS TO SITE:**  
UPPER OASIS VALLEY (FLEUR-DE-LIS RANCH). AMARGOSA RIVER BOTTOM, 7.8 MI N OF BEATTY

**GENERAL SITE DESCRIPTION:**  
GOOD FLOW, SOME CATTLE DISTURBANCE, NOT EXCESSIVE. MULTIPLE SPRING SITES, NATURAL POOLS. PREMIER HABITAT (ALTIG 1981).

**SPECIES DATA:**  

**INFO SOURCE:** MACIOLEK. UNLV A-129., ALTIG, R.

**OWNERSHIP/MGMT.:** PRIVATE/FLEUR-DE-LIS, BLM/BATT
CRENICHTHYS NEVADAE
RAILROAD VALLEY SPRINGFISH

PROTECTION STATUS
FEDERAL: LT  NRS: YES
NNNPS: N/A

FIRST OBSERVED: 1932  ELEVATION: 4780  COUNTY: NVNYEX
LAST OBSERVED: 1988-06-29  PRECISION: S
TOWNSHIP/RANGE: 008N055E  QUADNAME: LOCKES
SECTION: 14  TOWNSHIP COMMENT: NW4SW4NW4

DIRECTIONS TO SITE:
HAY CORRAL SPRING 1/2 MI E LOCKES

GENERAL SITE DESCRIPTION:
CRITICAL HABITAT.

SPECIES DATA:
FAIRLY ABUNDANT IN MAIN POOL. EDGES BEAT DOWN BY CATTLE, BUT WATER CLEAR, SPRINGFISH ABUNDANT DOWN OUTFLOWS (WITHERS 1986). 397 TRAPPED 1988.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

OWNERSHIP/MGMT.: BLM/BATTLE MTN

CRENICHTHYS NEVADAE
RAILROAD VALLEY SPRINGFISH

PROTECTION STATUS
FEDERAL: LT  NRS: YES
NNNPS: N/A

FIRST OBSERVED: 1932  ELEVATION: 4815  COUNTY: NVNYEX
LAST OBSERVED: 1989-06-15  PRECISION: S
TOWNSHIP/RANGE: 008N055E  QUADNAME: LOCKES
SECTION: 15  TOWNSHIP COMMENT: NW4SW4NE4

DIRECTIONS TO SITE:
BIG SPRING 1/4 MI W LOCKES

GENERAL SITE DESCRIPTION:
CRITICAL HABITAT.

SPECIES DATA:

OWNERSHIP/MGMT.: BLM/BATTLE MTN
<table>
<thead>
<tr>
<th>CRENICHTHYS NEVADAE</th>
<th>PROTECTION STATUS</th>
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<tbody>
<tr>
<td>RAILROAD VALLEY SPRINGFISH</td>
<td>FEDERAL: LT</td>
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<tr>
<td></td>
<td>NNNPS: N/A</td>
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First Observed: 1932  
Last Observed: 1988-06-29  
Elevation: 4780  
County: NVNYEX

TOWNSHIP/RANGE: 008N055E  
SECTION: 15  
Quadname: Lockes  
TOWNSHIP COMMENT: S2SE4NE4

Directions to Site:  
Reynolds Springs 1/2 MI E Lockes

General Site Description:  
Critical Habitat.

Species Data:  

Ownership/Mgmt.: BLM/Battle MTN

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<table>
<thead>
<tr>
<th>CRENICHTHYS NEVADAE</th>
<th>PROTECTION STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAILROAD VALLEY SPRINGFISH</td>
<td>FEDERAL: LT</td>
</tr>
<tr>
<td></td>
<td>NNNPS: N/A</td>
</tr>
</tbody>
</table>

First Observed: 1982  
Last Observed: 1988-06-28  
Elevation: 4815  
County: NVNYEX

TOWNSHIP/RANGE: 007N055E  
SECTION: U  
Quadname: The Wall NE  
TOWNSHIP COMMENT: 

Directions to Site:  
Chimney Spring = Warm Spring

General Site Description:  
Dry Spring in 1981 then re-established.

Species Data:  
Fish abundant in all three ponds (Withers 1986). No fish observed in all three ponds. Area denuded, apparently used as holding pen for cattle (Withers 1988) introduced.

Ownership/Mgmt.: NDOW/Railroad, BLM/Battle MTN
CRENICHTHYS NEVADAE
RAILROAD VALLEY SPRINGFISH

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<thead>
<tr>
<th>PROTECTION STATUS</th>
<th>FEDERAL: LT</th>
<th>NRS: YES</th>
<th>NNNPS: N/A</th>
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</table>

| FIRST OBSERVED: | 1932 | ELEVATION: | 4810 | COUNTY: NVNYEX |
| LAST OBSERVED: | 1988-06-29 | PRECISION: | S |
| TOWNSHIP/RANGE: | 008N055E | QUADNAME: | LOCKES |
| SECTION: | 15 | TOWNSHIP COMMENT: | NW4NW4NW4 |

DIRECTIONS TO SITE:
1/2 MI NE LOCKES. NORTH SPRING

GENERAL SITE DESCRIPTION:
CRITICAL HABITAT.

SPECIES DATA:

INFO SOURCE: SADA, DON., WITHERS, DONNA.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

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CRENICHTHYS NEVADAE
RAILROAD VALLEY SPRINGFISH

<table>
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<tr>
<th>PROTECTION STATUS</th>
<th>FEDERAL: LT</th>
<th>NRS: YES</th>
<th>NNNPS: N/A</th>
</tr>
</thead>
</table>

| FIRST OBSERVED: |  | ELEVATION: | 0 | COUNTY: NVNYEX |
| LAST OBSERVED: |  | PRECISION: | G |
| TOWNSHIP/RANGE: | 006N051E | QUADNAME: | BUCKWHEAT RIM |
| SECTION: | 28 | TOWNSHIP COMMENT: |

DIRECTIONS TO SITE:
HOT CREEK, 1.5 MI, HOT CREEK VALLEY, HYDROLOGIC SUBUNIT #156

GENERAL SITE DESCRIPTION:

SPECIES DATA:
INTRODUCED.

INFO SOURCE: M-X STUDY,

OWNERSHIP/MGMT.: BLM/BATTLE MTN
<table>
<thead>
<tr>
<th>Gila Bicolor Euchilla</th>
<th>Protection Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish Creek Springs Tui Chub</td>
<td>Federal: 3C NRS: YES NNNPS: N/A</td>
</tr>
</tbody>
</table>

| First Observed: 1938 | Elevation: 6020 | County: NVEURE |
| Last Observed: 1985-06270 | Precision: SC |

| Township/Range: 016N053E | Quadname: Bellevue Peak, Pinto Summit |
| Section: 08 |

**Directions to Site:**
Fish Creek Springs and 3-4 mi. downstream

**General Site Description:**
Springs, Canals.

**Species Data:**
Higher population than earlier surveys, all age classes, widespread throughout system. Withdrawn from threatened status 10 March 1986. Present in large numbers 1985.


**Ownership/Mgmt.:** Private/Fish Creek Ranch

<table>
<thead>
<tr>
<th>Gila Bicolor Obesa</th>
<th>Protection Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lahontan Creek Tui Chub</td>
<td>Federal: C2 NRS: YES NNNPS: N/A</td>
</tr>
</tbody>
</table>

| First Observed: | Elevation: 5820 | County: NVEURE |
| Last Observed: | Precision: SC |

| Township/Range: 023N052E | Quadname: Tule Dam Spring |
| Section: 36 |

**Directions to Site:**
Sulphur Spring, Diamond Valley, 8.7 mi S of Sadler Ranch

**General Site Description:**
In dammed spring pool, 10 m. diameter 0.3 m deep. No fishes in ditches.

**Species Data:**
Long Gill Rakers.

**Info Source:** Hubbs et al. 1974:154.

**Ownership/Mgmt.:** Private/Sadler Ranch, BLM/Batt
<table>
<thead>
<tr>
<th>Species Data</th>
<th>Protection Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gila Bicolor SSP 10</td>
<td>Federal: N/A NRS: NO NNNPS: N/A</td>
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<tr>
<td>Charnock Springs Tui Chub</td>
<td>Elevation: 5495 County: NVNYEX</td>
</tr>
<tr>
<td>First Observed: 1948</td>
<td>Last Observed: 1948- Present</td>
</tr>
<tr>
<td>TownShip/Range: 013N044E</td>
<td>Section: 28</td>
</tr>
<tr>
<td>Direction to Site:</td>
<td>General Site Description:</td>
</tr>
<tr>
<td>Charnock Springs, East Side of Pluvial Lake Toiyabe</td>
<td></td>
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</tbody>
</table>

SpecieS Data:

Ownership/Mgmt.: BLM/Battle Mountain

<table>
<thead>
<tr>
<th>Species Data</th>
<th>Protection Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gila Bicolor SSP 4</td>
<td>Federal: C2 NRS: YES NNNPS: N/A</td>
</tr>
<tr>
<td>Fish Lake Valley Tui Chub</td>
<td>Elevation: 4795 County: NVESME</td>
</tr>
<tr>
<td>First Observed: 1934</td>
<td>Last Observed: 1937-05-30 Present</td>
</tr>
<tr>
<td>TownShip/Range: 002S035E</td>
<td>Section: 26</td>
</tr>
<tr>
<td>Direction to Site:</td>
<td>General Site Description:</td>
</tr>
<tr>
<td>Spring and Outlet Just South of Fish Lake, plus Marsh Just East of Lake.</td>
<td></td>
</tr>
<tr>
<td>Fish Lake 100 X 200' In 1934.</td>
<td></td>
</tr>
</tbody>
</table>

SpecieS Data:

Ownership/Mgmt.: BLM/Battle Mountain
GILA BICOLOR SSP 5  
HOT CREEK VALLEY TUI CHUB  

FIRST OBSERVED:  
ELEVATION: 5110  
COUNTY: NVNYEX
LAST OBSERVED:  
PRECISION: SC
TOWNSHIP/RANGE: 004N051E  
QUADNAME: TWIN SPRINGS SLOUGH
SECTION: 13  
TOWNSHIP COMMENT:  

DIRECTIONS TO SITE:  
TWIN SPRINGS, HOT CREEK VALLEY  

GENERAL SITE DESCRIPTION:  
SPRINGS  

SPECIES DATA:  
INFO SOURCE: WILLIAMS, JACK.  
OWNERSHIP/MGMT.: PRIVATE/TWIN SPRGS, BLM/BATTLE

GILA BICOLOR SSP 5  
HOT CREEK VALLEY TUI CHUB  

FIRST OBSERVED:  
ELEVATION: 5130  
COUNTY: NVNYEX
LAST OBSERVED:  
PRECISION: S
TOWNSHIP/RANGE: 005N051N  
QUADNAME: TWIN SPRINGS SLOUGH
SECTION: 36  
TOWNSHIP COMMENT:  

DIRECTIONS TO SITE:  
UNNAMED SPRINGS 3 MI N OF TWIN SPRINGS RANCH. HOT CREEK VALLEY  

GENERAL SITE DESCRIPTION:  
SPRINGS  

SPECIES DATA:  
INFO SOURCE: WILLIAMS, JACK.  
OWNERSHIP/MGMT.: BLM/BATTLE, PRIVATE/TWIN SPRGS
**GILA BICOLOR SSP 5**
**HOT CREEK VALLEY TUI CHUB**

<table>
<thead>
<tr>
<th>PROTECTION STATUS</th>
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<tbody>
<tr>
<td>FEDERAL: C2 NRS: YES NNNPS: N/A</td>
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</table>

**FIRST OBSERVED:** 1946  
**ELEVATION:** 5790  
**COUNTY:** NVNYEX  
**LAST OBSERVED:**  
**PRECISION:** SC  
**TOWNSHIP/RANGE:** 004N048E  
**SECTION:** 08  
**QUADNAME:** STONE CABIN RANCH  
**TOWNSHIP COMMENT:**  

**DIRECTIONS TO SITE:**  
STONE CABIN VALLEY (=WILLOW CREEK) AT STONE CABIN RANCH  

**GENERAL SITE DESCRIPTION:**  

**SPECIES DATA:**  
INTRODUCED FROM TWIN SPRINGS IN 1940'S.  

**INFO SOURCE:** WILLIAMS, JACK., HUBBS ET AL. 1974.

**OWNERSHIP/MGMT.:** PRIVATE/STONE CABIN RANCH

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**GILA BICOLOR SSP 5**
**HOT CREEK VALLEY TUI CHUB**

<table>
<thead>
<tr>
<th>PROTECTION STATUS</th>
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<tbody>
<tr>
<td>FEDERAL: C2 NRS: YES NNNPS: N/A</td>
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**FIRST OBSERVED:** 1946  
**ELEVATION:** 4800  
**COUNTY:** NVNYEX  
**LAST OBSERVED:**  
**PRECISION:** G  
**TOWNSHIP/RANGE:** 006N056E  
**SECTION:** 23  
**QUADNAME:** TROY CANYON  
**TOWNSHIP COMMENT:** SECTION 18?  

**DIRECTIONS TO SITE:**  
OVERFLOW OF ARTESIAN WELL #7.  

**GENERAL SITE DESCRIPTION:**  

**SPECIES DATA:**  
CHUBS PRESUMABLY FROM TWIN SPRINGS, CARRIED BY FLOOD WATERS.  


**OWNERSHIP/MGMT.:** PRIVATE?
### GILA BICOLOR SSP 8
**Protection Status**
- **Federal:** C2
- **NRS:** YES
- **NNPNS:** N/A

**First Observed:** 1948
**Last Observed:** 1948
**Elevation:** 5480
**Precision:** M
**County:** NVNYEX

**Township/Range:** 013N043E
**Section:** 18
**Quadname:** Carvers NW
**TOWNSHIP COMMENT:**

**Directions to Site:**
Springs along W side of Pluvial Lake Toiyabe

**General Site Description:**

**Species Data:**

**Ownership/Mgmt.:** BLM/Battle MTN

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### MOAPA CORIACEA
**Protection Status**
- **Federal:** LE
- **NRS:** YES
- **NNPNS:** N/A

**First Observed:**
**Last Observed:**
**Elevation:** 0
**Precision:** G
**County:** NVNYEX

**Township/Range:** 006N051E
**Section:** 28
**Quadname:** Buckwheat Rim
**TOWNSHIP COMMENT:**

**Directions to Site:**
HOT CREEK, HOT CREEK VALLEY, 1.5 MI. HYDROLOGIC SUBUNIT #156

**General Site Description:**

**Species Data:**
DID NOT TAKE.

**Info Source:** M-X Study.
**Ownership/Mgmt.:** BLM/Battle MTN
**RHINICHTHYS OSCULUS LARIVERS**
**BIG SMOKEY VALLEY SPECKLED DACE**

<table>
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<tr>
<th>Protection Status</th>
<th>Federal:</th>
<th>NRS:</th>
<th>NNNPS:</th>
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<th>1956</th>
<th>Elevation:</th>
<th>5470</th>
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<td></td>
<td>Precision:</td>
<td></td>
<td>S</td>
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</tbody>
</table>

- **Township/Range:** 013N044E
- **Section:** 32
- **Quadname:** CARVERS NE

**Directions to Site:**
- CHARNOCK SPRINGS, S OF RANCH

**General Site Description:**
- ABANDONED RANCH, SPRINGS WITH JUNCUS. WATER TEMP. 80 - 50 F.

**Species Data:**
- WITH GILA BICOLOR.

**Info Source:**

**Ownership/Mgmt.:** BLM/BATTLE MTN

---

**RHINICHTHYS OSCULUS ROBUSTUS**
**DIAMOND VALLEY LAHONTAN SPECKLED DACE**

<table>
<thead>
<tr>
<th>Protection Status</th>
<th>Federal:</th>
<th>NRS:</th>
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<td>C2</td>
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<th>First Observed:</th>
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<th>Elevation:</th>
<th>5800</th>
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<tr>
<td>Last Observed:</td>
<td></td>
<td>Precision:</td>
<td></td>
<td>SC</td>
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</tbody>
</table>

- **Township/Range:** 024N052E
- **Section:** 23
- **Quadname:** BAILEY PASS

**Directions to Site:**
- BIG SHIPLEY SPRING (=SHIPLEY HOT SPRING), DIAMOND VALLEY, S OF SADLER RANCH

**General Site Description:**
- OUTFLOW OF SMALL LAKE BELOW NATURAL FALLS. GOLDFISH ABOVE FALLS, WATER CLEAR, SULPHUROUS, MUD, SAND WITH NAIA, UTRICULARIA. 28 C.

**Species Data:**
- DACE ABUNDANT IN 1938.

**Info Source:**

**Ownership/Mgmt.:** PRIVATE/SADLER RANCH
RHINICHTHYS OSCULUS SSP 1
AMARGOSA SPECKLED DACE

FIRST OBSERVED: ELEVATION: 3300 COUNTY: NVNYEX
LAST OBSERVED: PRECISION: S
TOWNSHIP/RANGE: 012S047E QUADNAME: BEATTY
SECTION: 07 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
AMARGOSA RIVER AT BEATTY

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/MGMT.: PRIVATE/BEATTY, BLM/BATTLE MTN

RHINICHTHYS OSCULUS SSP 1
AMARGOSA SPECKLED DACE

FIRST OBSERVED: ELEVATION: 3810 COUNTY: NVNYEX
LAST OBSERVED: PRECISION: S
TOWNSHIP/RANGE: 010S047E QUADNAME: SPRINGDALE
SECTION: 31 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
AMARGOSA RIVER AT SPRINGDALE

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
RHINICHTHYSSOSCUSUSSSP1
AMARGOSASPECKLEDDACE
PROTECTIONSTATUS
FEDERAL:C2NRS:YES
NNNPS:N/A

FIRSTOBSERVED:1983ELEVATION:3760COUNTY:NVNYEX
LASTOBSERVED:1983-PRECISION:SC

TOWNSHIP/RANGE:010S047EQUADRNAME:THIRSTYCANYONSW
SECTION:32TOWNSHIPCOMMENT:

DIRECTIONS TO SITE:
FLEUR-DE-LISSPRINGS,7.8MI NNE OF BEATTY

GENERAL SITEDESCRIPITION:
MULTIPLESPRINTOSTAMARSH.65DEGREESF.WITHLIVESTOCK.

SPECIESDATA:
WITHHYLA,BUFONELSONI,ANDRANACATESBEIANA.

INFOSOURCE:MACIOLEK,JOHNA.1983.

OWNERSHIP/MGMT.:PRIVATE/FLEUR-DE-LISRANCH

RHINICHTHYSSOSCUSUSSSP1
AMARGOSASPECKLEDDACE
PROTECTIONSTATUS
FEDERAL:C2NRS:YES
NNNPS:N/A

FIRSTOBSERVED:1983ELEVATION:3470COUNTY:NVNYEX
LASTOBSERVED:1983-PRECISION:SC

TOWNSHIP/RANGE:011S047EQUADRNAME:BEATTYMTN
SECTION:27TOWNSHIPCOMMENT:

DIRECTIONS TO SITE:
AMARGOSARIVER,3.7MI NEE OF BEATTY, W SIDE OF US 95.

GENERAL SITEDESCRIPITION:
STABLEHABITAT, DEEP CHANNEL SIDED BY MARSH.

SPECIESDATA:
ABUNDANT.WITHHYLAANDBUFONELSONI.

INFOSOURCE:MACIOLEK,JOHNA.1983.

OWNERSHIP/MGMT.:PRIVATE/MANLYSALVAGE&UHAUL
RHINICHTHYS OSCULUS SSP 1
AMARGOSA SPECKLED DACE

PROTECTION STATUS
FEDERAL: C2  NRS: YES
NNPNS: N/A

FIRST OBSERVED: 1983
LAST OBSERVED: 1983-

ELEVATION: 3226  COUNTY: NVNYEX
PRECISION: SC

TOWNSHIP/RANGE: 012S047E  QUADNAME: BEATTY MTN
SECTION: 17  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
AMARGOSA RIVER AT NARROWS, 1.1 MI SSE OF BEATTY

GENERAL SITE DESCRIPTION:
GRAVEL POOLS, MARSH. STREAM CHANNEL IS RACE COURSE FOR ORVS. WITH HYL.

SPECIES DATA:
ABUNDANT IN PLACES.


OWNERSHIP/MGMT.: BLM/BATT MTN, NDOT RIGHT-OF-WAY
MAMMALS
### NOTIOSOREX CRAWFORDI
**Desert Shrew**

- **First Observed:** 1940
- **Last Observed:** 1940-06-02
- **Elevation:** 5500
- **County:** NVNYEX
- **Precision:** M
- **TOWNSHIP/RANGE:** 011S045E
- **Section:** U
- **Quadname:** WAHGUYHE PEAK
- **Directions to Site:** GRAPEVINE PEAK, 5 MI E AND 1 MI NORTH

**General Site Description:**
CRYSOThAMNUS SANDY SOIL SOUTH FACING SLOPE NEAR EPHEDRA AND ARTEMISIA.

**Species Data:**

- **Male. Northern Most Record.**

**Info Source:** HALL. 1946. P.126.

**Ownership/Mgmt.:** NPS/DEATH VALLEY, BLM/BATT MTN

### SOREX MERRIAMI
**MERRIAM'S SHREW**

- **First Observed:**
- **Last Observed:**
- **Elevation:** 8200
- **County:** NVESME
- **Precision:** SC
- **TOWNSHIP/RANGE:** 001S034E
- **Section:** 35
- **Quadname:** BOUNDARY PEAK
- **Directions to Site:** CHIATOVICH CREEK, WESTERN BORDER OF ESMERALDA COUNTY

**General Site Description:**

**Species Data:**

**Info Source:** HALL. 1946. P.117., BURT AND GROSSENHEIDER. P.6

**Ownership/Mgmt.:** USFS/INYO, BLM/BATTLE MOUNTAIN
SOREX MERRIAM'S SHREW

PROTECTION STATUS
FEDERAL: NRS: NONE
NNNPS: N/A

FIRST OBSERVED: ELEVATION: 7700 COUNTY: NVESME
LAST OBSERVED: PRECISION: SC
TOWNSHIP/RANGE: 006S039E QUADNAME: MAGRUDER MTN
SECTION: 13 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
INDIAN SPRING, 0.5 MI SE MOUNT MAGRUDER

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

THOMOMYS UMBRINUS CURTATUS
SAN ANTONIO POCKET GOPHER

PROTECTION STATUS
FEDERAL: C2 NRS: 
NNNPS: N/A

FIRST OBSERVED: 1930 ELEVATION: 5400 COUNTY: NVNYEX
LAST OBSERVED: 1930- PRECISION: S
TOWNSHIP/RANGE: 007N042E QUADNAME: SAN ANTONIO RANCH
SECTION: 17 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
SAN ANTONIO, NORTH OF TONOPAH.

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: HALL. P.481.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
INVERTEBRATES
**AEGIALIA CRESCENTA**  
Crescent-Dune Aegialian Scarab Beetle

<table>
<thead>
<tr>
<th>Protection Status</th>
<th>Federal: C2</th>
<th>NRS: None</th>
<th>NNNPS: N/A</th>
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**First Observed:** 1974  
**Elevation:** 5200  
**County:** NVNYEX  
**Precision:** M

| Township/Range: 005N041E  
| Section: 36 | QuadName: Crescent Dunes, San Antonio Ranch |

**Directions to Site:**  
Crescent Dunes. 15 MI NW Tonopah

**General Site Description:**

**Species Data:**  
Holotype, Allotype + 187 Paratypes.

**Info Source:** Gordan and Cartwright. 1977. USNM and Calif. Acad. Sci.

**Ownership/Mgmt.:** BLM/Battle Mt.

---

**NEIVAMYRMEX NYENSIS**  
Ant

<table>
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<tr>
<th>Protection Status</th>
<th>Federal: N/A</th>
<th>NRS: None</th>
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</table>

**First Observed:** 1970  
**Elevation:** 3500  
**County:** NVNYEX  
**Precision:** S

| Township/Range: 013S047E  
| Section: 03 | QuadName: CARRARA CANYON |

**Directions to Site:**  
W Slope of Bare Mt., 5.5 MI S and 3 MI E of Beatty

**General Site Description:**  
Very Rocky Terrain.

**Species Data:**  
Known only from type colony.


**Ownership/Mgmt.:** BLM/Battle Mountain
<table>
<thead>
<tr>
<th>POLITES SABULETI PALLIDA</th>
<th>PROTECTION STATUS</th>
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<tbody>
<tr>
<td>Pallid Skipper</td>
<td>Federal: N/A</td>
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<td>NRS: None</td>
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| FIRST OBSERVED: 1969 | ELEVATION: 5720 | COUNTY: NVLAND |
| LAST OBSERVED: 1981-08-22 | PRECISION: S | |
| TOWNSHIP/RANGE: 019N043E | QUADNAME: WEST OF AUSTIN |
| SECTION: 32 | TOWNSHIP COMMENT: |

DIRECTIONS TO SITE:
Reese River Valley, HWY 722 4 MI E OF Reese River

GENERAL SITE DESCRIPTION:
Alkaline Flat Dominated by Distichlis.

SPECIES DATA:
Holotype and allotype and 171 males and 91 females (all from Reese Valley), adults nectar on Composites, oviposition on Distichlis.


OWNERSHIP/ MGMT.: BLM/BATTLE MTN

<table>
<thead>
<tr>
<th>POLITES SABULETI PALLIDA</th>
<th>PROTECTION STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallid Skipper</td>
<td>Federal: N/A</td>
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<td>NRS: None</td>
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<tr>
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| FIRST OBSERVED: 1967 | ELEVATION: 0 |
| LAST OBSERVED: 1974-08-06 | PRECISION: S |
| TOWNSHIP/RANGE: 018N042E | QUADNAME: WEST OF AUSTIN |
| SECTION: 11 | TOWNSHIP COMMENT: |

DIRECTIONS TO SITE:
Reese River, HWY 2

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/ MGMT.: BLM/BATTLE MTN
POLITES SABULETI PALLIDA
PALLID SKIPPER

PROTECTION STATUS
FEDERAL: NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1984
LAST OBSERVED: 1984-08-29

COUNTY: NVNYEX
ELEVATION: 0
PRECISION: S

TOWNSHIP/RANGE: 014N043E
SECTION: 12
QUADNAME: EAST OF MILLETT RANCH
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
BIG SMOKY VALLEY, NORTHUMERLAND MINE RD, 1.5 MI E HWY 376

GENERAL SITE DESCRIPTION:

SPECIES DATA:
THREE MALES, THREE FEMALES.


OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

POLITES SABULETI PALLIDA
PALLID SKIPPER

PROTECTION STATUS
FEDERAL: NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1983
LAST OBSERVED: 1984-08-29

COUNTY: NVNYEX
ELEVATION: 0
PRECISION: S

TOWNSHIP/RANGE: 015N044E
SECTION: 20
QUADNAME: KINGSTON
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
BIG SMOKY VALLEY, TRIPLE T RANCH

GENERAL SITE DESCRIPTION:
DISTICHLIS, ALKALI FLATS.

SPECIES DATA:


OWNERSHIP/MGMT.: BLM/BATTLE MTN
POLITES SABULETI PALLIDA
PALLID SKIPPER

PROTECTION STATUS
FEDERAL: N/A
NNNPS: N/A

FIRST OBSERVED: 1981
LAST OBSERVED: 1984-07-09
ELEVATION: 0
COUNTY: NVNYEX
PRECISION: S

TOWNSHIP/RANGE: 015N047E
SECTION: 35
QUADNAME: DIANAS PUNCH BOWL
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
MONITOR VALLEY AT POTTs

GENERAL SITE DESCRIPTION:

SPECIES DATA:
1981, 1983 84 MALES, 15 FEMALES. 1984 2 MALES, 1 FEMALE.


OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

POLITES SABULETI PALLIDA
PALLID SKIPPER

PROTECTION STATUS
FEDERAL: N/A
NNNPS: N/A

FIRST OBSERVED: 1983
LAST OBSERVED: 1983-09-10
ELEVATION: 0
COUNTY: NVNYEX
PRECISION: S

TOWNSHIP/RANGE: 008N057E
SECTION: 01
QUADNAME: BLUE EAGLE SPRINGS
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
RAILROAD VALLEY, NYALA RD, 11.9 MI S JCT CURRENT RD

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/MGMT.: NDOW/RAILROAD VALLEY
**POLITES SABULETI PALLIDA**
**PALLID SKIPPER**

**PROTECTION STATUS**
- **FEDERAL:** NRS: NONE
- **NNNPS:** N/A

**FIRST OBSERVED:** 1984  
**LAST OBSERVED:** 1984-07-10  
**ELEVATION:** 4815  
**PRECISION:** S  
**COUNTY:** NVNYEX

**TOWNSHIP/RANGE:** 008N055E  
**SECTION:** 15  
**QUADNAME:** LOCKES  
**TOWNSHIP COMMENT:**

**DIRECTIONS TO SITE:**  
RAILROAD VALLEY, LOCKES

**GENERAL SITE DESCRIPTION:**

**SPECIES DATA:**
1984 1 MALE. 1983 40 MALES, 7 FEMALES.


**OWNERSHIP/MGMT.:** BLM/BATTLE MTN

**SECOND OBSERVED:** 1984  
**LAST OBSERVED:** 1984-08-26  
**ELEVATION:** 0  
**PRECISION:** S  
**COUNTY:** NVLAND

**TOWNSHIP/RANGE:** 022N043E  
**SECTION:** U  
**QUADNAME:** MANHATTAN MTN  
**TOWNSHIP COMMENT:**

**DIRECTIONS TO SITE:**  
REESE RIVER VALLEY, HWY 305 19 MI N US 50

**GENERAL SITE DESCRIPTION:**  
SALT FLATS W/DISTICHLIS.

**SPECIES DATA:**
11 MALES, 4 FEMALES.


**OWNERSHIP/MGMT.:** BLM/BATTLE MTN
POLITES SABULETI PALLIDA
PALLID SKIPPER

PROTECTION STATUS
FEDERAL: N/A
NRS: NONE
NNNPS: N/A

FIRST OBSERVED: 1968
LAST OBSERVED: 1984-08-26
ELEVATION: 0
PRECISION: SC
COUNTY: NVLAND
TOWNSHIP/RANGE: 018N042E
SECTION: 11
QUADNAME: WEST OF AUSTIN
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
US 50 2.5 MI E REESE RIVER

GENERAL SITE DESCRIPTION:
DISTICHLIS FLATS.

SPECIES DATA:
34 MALES, 15 FEMALES. ADULTS NECTAR ON COMPOSITE. OVIPOSIT ON DISTICHLIS.


OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

PYRGULOPSIS MICROCOCCUS
OASIS VALLEY SPRINGSNAIL

PROTECTION STATUS
FEDERAL: C2
NRS: NONE
NNNPS: N/A

FIRST OBSERVED:
LAST OBSERVED:
ELEVATION: 3540
PRECISION: G
COUNTY: NVNYEX
TOWNSHIP/RANGE: 011S047E
SECTION: 28
QUADNAME: BEATTY MTN
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
SPRINGS IN OASIS VALLEY (AMARGOSA RIVER VALLEY)

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: TAYLOR, DWIGHT W. LETTER.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
PLANTS
DICOTS
ABRONIA ORBICULATA
TRANS MONTANE ABRONIA

FIRST OBSERVED: 1978
LAST OBSERVED: 1978-06-28
ELEVATION: 6113
PRECISION: M
COUNTY: NVLAND
TOWNSHIP/RANGE: 018N040E
SECTION: U
QUADNAME: EMIGRANT PEAK
TOWNSHIP COMMENT: OR SECTION 26
DIRECTIONS TO SITE:
SMITH CREEK VALLEY

GENERAL SITE DESCRIPTION:
DUNE SANDS.

SPECIES DATA:
INFO SOURCE: GOODRICH 11618. AUSTIN RANGER DISTRICT HERBARIUM.
OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

ABRONIA ORBICULATA
TRANS MONTANE ABRONIA

FIRST OBSERVED: 1978
LAST OBSERVED: 1978-06-25
ELEVATION: 5200
PRECISION: M
COUNTY: NVNYEX
TOWNSHIP/RANGE: 005N041E
SECTION: 36
QUADNAME: CRESCENT DUNES
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
NW OF TONAPAH NEAR HWY 89

GENERAL SITE DESCRIPTION:
CRESCENT DUNES.

SPECIES DATA:
COMMON IN SANDY SOILS.

INFO SOURCE: WILLIAMS 78-135-5. DUP AT RENO. UNLV HERBARIUM #14686.
OWNERSHIP/MGMT.: BLM/BATTLE MTN
**ARABIS FALCIFRUCTA**
**ELKO ROCKCRESS**

**PROTECTION STATUS**
FEDERAL: C2  
NRS: NONE  
NNNPS: W

**FIRST OBSERVED:** 1945  
**LAST OBSERVED:** 1979-06-18  
**ELEVATION:** 6080  
**COUNTY:** NVLAND  
**PRECISION:** G  
**TOWNSHIP/RANGE:** 021N042E  
**SECTION:** 31  
**QUADNAME:** MOUNT AIRY NE  
**TOWNSHIP COMMENT:**

**DIRECTIONS TO SITE:**
IN SHOSHONE MTNS, CA 18 MI & 315 DEGREES FROM AUSTIN

**GENERAL SITE DESCRIPTION:**

**SPECIES DATA:**

**INFO SOURCE:** ROLLINS.

**OWNERSHIP/MGMT.:** BLM/BATTLE MTN

---

**ARABIS SHOCKLEYI**
**SHOCKLEY'S ROCK-CRESS**

**PROTECTION STATUS**
FEDERAL: 3C  
NRS: NONE  
NNNPS: D

**FIRST OBSERVED:** 1979  
**LAST OBSERVED:** 1979-05-27  
**ELEVATION:** 6050  
**COUNTY:** NVNYEX  
**PRECISION:** S  
**TOWNSHIP/RANGE:** 008N054E  
**SECTION:** U  
**QUADNAME:** BLACK ROCK SUMMIT  
**TOWNSHIP COMMENT:**

**DIRECTIONS TO SITE:**
NEAR HWY 6, 7.5 RD MI SW OF LOCKES

**GENERAL SITE DESCRIPTION:**
CHRYSOTHAMNUS AND ARTEMISIA. VOLCANIC ROCKS, HILLSIDE.

**SPECIES DATA:**

**INFO SOURCE:** WILLIAMS AND HOLLAND. RENO HERBARIUM #58366.

**OWNERSHIP/MGMT.:** DOE/TEST SITE
ASCLEPIAS EASTWOODIANA | EASTWOOD'S MILKWEED

PROTECTION STATUS
FEDERAL: C2  NRS: NONE  NNSPS: W

ELEVATION: 6000  COUNTY: NVNYEX

TOWNSHIP/RANGE: 005N044E  QUADNAME: BAXTER SPRING
SECTION: 30  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
RALSTON VALLEY AT JUNCTION OF HWY 82 AND 8A, 25 KM NE OF TONOPAH. BOTH SIDES OF HWY

GENERAL SITE DESCRIPTION:
FINE TEXTURED SOIL W/SURFACE ROCKS, IN SLIGHT GULLIES. WITH TETRADYMIA, ARTEMISIA SPINESCENS, ATRIPLIX CANESCENS, SARCOBATUS BAILEYI, ATRIPLEX CONFERTIFOLIA.

SPECIES DATA:
PLANTS NOT SETTING FRUIT, GROWING WITH LOW SHRUBS IN AREAS OF SLIGHT DRAINAGE.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

ASCLEPIAS EASTWOODIANA | EASTWOOD'S MILKWEED

PROTECTION STATUS
FEDERAL: C2  NRS: NONE  NNSPS: W

FIRST OBSERVED: 1909  LAST OBSERVED: 1978-06-14
ELEVATION: 5600  COUNTY: NVLAND

TOWNSHIP/RANGE: 021N043E  QUADNAME: VIGUS BUTTE NW
SECTION: 29  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
REESE RIVER VALLEY, HWY 8A, 20 KM N OF JUNCTION WITH HWY 50

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: WOODBURY, K. 1980 H. STATUS REPORT.
OWNERSHIP/MGMT.: BLM/BATTLE MTN, PRIVATE
ASCLEPIAS EASTWOODIANA  
EASTWOOD'S MILKWEED

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNNPS: W

FIRST OBSERVED: 1909  
LAST OBSERVED: 1944-06-11
ELEVATION: 5800  
PRECISION: G
COUNTY: NVLAND
TOWNSHIP/RANGE: 020N043E  
SECTION: 28
QUADNAME: VIGUS BUTTE
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
VALLEY OF REESE RIVER, 6 MI NW OF AUSTIN

GENERAL SITE DESCRIPTION:
LOW ALKALINE CLAY HILLS.

SPECIES DATA:

INFO SOURCE: WOODBURY, K. 1980 H. STATUS REPORT.

OWNERSHIP/MGMT.: BLM/BATTLE MTN, PRIVATE

---

ASCLEPIAS EASTWOODIANA  
EASTWOOD'S MILKWEED

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNNPS: W

FIRST OBSERVED: 1909  
LAST OBSERVED: 1909-06
ELEVATION: 6000  
PRECISION: G
COUNTY: NVNYEX
TOWNSHIP/RANGE: 003N042E  
SECTION: 34
QUADNAME: TONOPAH
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
AT TONOPAH, SAN ANTONIO MOUNTAINS

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: WOODBURY, K. 1980 H. STATUS REPORT.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
ASCLEPIAS EASTWOODIANA
EASTWOOD'S MILKWEED

PROTECTION STATUS
FEDERAL: C2  NRS: NONE  NNNPS: W

FIRST OBSERVED: 1980  ELEVATION: 0  COUNTY: NVNYEX
LAST OBSERVED: 1980-05-10  PRECISION: S

TOWNSHIP/RANGE: 008N055E  QUADNAME: LOCKES
SECTION: 30  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
    RAILROAD VALLEY, 3.5 RD MI SW OF LOCKES ON HWY 6, W OF RD

GENERAL SITE DESCRIPTION:
    SANDY WASH. WITH TETRADYMIA.

SPECIES DATA:

INFO SOURCE: RENO HERBARIUM #60112.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

---

ASCLEPIAS EASTWOODIANA
EASTWOOD'S MILKWEED

PROTECTION STATUS
FEDERAL: C2  NRS: NONE  NNNPS: W

FIRST OBSERVED: 1981  ELEVATION: 5040  COUNTY: NVESME
LAST OBSERVED: 1981-05-06  PRECISION: S

TOWNSHIP/RANGE: 001N039E  QUADNAME: NORTH OF SILVER PEAK
SECTION: 32  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
    9.8 AIR MI N OF SILVER PEAK

GENERAL SITE DESCRIPTION:
    GRAVEL WASH. WITH ATRIPLEX AND CHRYSOTHAMNUS.

SPECIES DATA:

INFO SOURCE: RENO HERBARIUM #61441. TIEHM 6378.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
ASTRAGALUS CALLITHRIX
CALLOWAY MILK-VETCH

FIRST OBSERVED: 1978
LAST OBSERVED: 1981-05-24
ELEVATION: 5400
COUNTY: NVNYEX
PRECISION: M
TOWNSHIP/RANGE: 006N051E
SECTION: 21
QUADNAME: BUCKWHEAT RIM

DIRECTIONS TO SITE:
63 MI N OF TONOPAH ON HWY 6, NEAR BLUE JAY MAINTENANCE STATION, 0.25 MI W OF HWY 6

GENERAL SITE DESCRIPTION:
ATRIPLEX AND ASTRAGALUS GEYERI. SANDY SOIL. LOW HILLS.

SPECIES DATA:
INFO SOURCE: WILLIAMS 78-73-4, 78-74-3. WELSH 20603. RENO HERBARIUM #41622, 53718. NSM HERBARIUM 867G.
OWNERSHIP/MGMT.: BLM/BATTLE MTN

ASTRAGALUS CALLITHRIX
CALLOWAY MILK-VETCH

FIRST OBSERVED: 1981
LAST OBSERVED: 1981-05-24
ELEVATION: 5900
COUNTY: NVNYEX
PRECISION: S
TOWNSHIP/RANGE: 010N051E
SECTION: 36
QUADNAME: MOORES STATION

DIRECTIONS TO SITE:
RD TO MOORES STATION FROM HWY 6, CA 0.5 MI BELOW THE STATION

GENERAL SITE DESCRIPTION:
EPHEDRA, CHRYSOTHAMNUS, ERIOGONUM KEARNEYI. DEEP SAND.

SPECIES DATA:
INFO SOURCE: WELSH 20599. RENO HERBARIUM 53715.
OWNERSHIP/MGMT.: BLM/BATTLE MTN
<table>
<thead>
<tr>
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<tr>
<td>ONE LEAFLET TORREY MILK-VETCH</td>
<td>FEDERAL: 3C</td>
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<tr>
<td></td>
<td>NRS: NONE</td>
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<td>NNNPS: W</td>
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FIRST OBSERVED: 1980
LAST OBSERVED: 1980-05-09
ELEVATION: 5350
COUNTY: NVNYEX

TOWNSHIP/RANGE: 008N055E
QUADNAME: LOCKES
SECTION: 30
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
RAILROAD VALLEY, 3.5 MI SW OF LOCKES, LEFT ON HWY 6 AND NW 0.25 MI

GENERAL SITE DESCRIPTION:
SHADSCALE. VOLCANIC SOILS.

SPECIES DATA:
INFO SOURCE: WILLIAMS 80-9-1. RENO HERBARIUM #49979.
OWNERSHIP/MGMT.: BLM/BATTLE MTN

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<td>NNNPS: W</td>
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</tbody>
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FIRST OBSERVED: 1980
LAST OBSERVED: 1980-05-09
ELEVATION: 6120
COUNTY: NVEURE

TOWNSHIP/RANGE: 019N050E
QUADNAME: BARTINE RANCH
SECTION: 05
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
MONITOR VALLEY N OF HWY 50, HOT SPRINGS NEAR HOT SPRINGS HILL, 1.8 MI E OF THREE BAR RD

GENERAL SITE DESCRIPTION:
WITH ATRIPLEX. GRAVELLY AREAS NEAR SPRINGS.

SPECIES DATA:
INFO SOURCE: TIEHM 6467 AND WILLIAMS. RENO HERBARIUM #61434.
OWNERSHIP/MGMT.: BLM/BATTLE MTN
ASTRAGALUS FUNEREUS  
FUNERAL MILK-VETCH  

PROTECTION STATUS  
FEDERAL: C2  NRS: NONE  
NNNPS: W  

FIRST OBSERVED: 1907  
ELEVATION: 4700  
COUNTY: NVNYEX  
LAST OBSERVED: 1978-03-22  
PRECISION: SC  
TOWNSHIP/RANGE: 012S045E  
SECTION: 03  
QUADNAME: BULLFROG MTN  
TOWNSHIP COMMENT:  

DIRECTIONS TO SITE:  
CA. 6 MI WNW OF BULLFROG RUINS, W ON DIRT RD. FROM BULLFROG MINE TO CURRIE WELL, BULLFROG HILLS. W OF SMALL LIMESTONE HILL  

GENERAL SITE DESCRIPTION:  
COLEOGYNE, ARTEMISIA. S SLOPE OF VOLCANIC TALUS, W OF SMALL LIMESTONE HILLS. STEEP GRAVEL SLOPES.  

SPECIES DATA:  
SCATTERED.  

INFO SOURCE: COCHRANE 832 AND HOLLAND. COCHRANE, S. 1979. T/E SPECIES ON NTS.  
UNLV HERBARIUM 11938. NSM 3347. PINZL 1506.  
OWNERSHIP/MGMT.: BLM/BATTLE MTN, NPS/DEATH VALL.  

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ASTRAGALUS FUNEREUS  
FUNERAL MILK-VETCH  

PROTECTION STATUS  
FEDERAL: C2  NRS: NONE  
NNNPS: W  

FIRST OBSERVED: 1978  
ELEVATION: 3400  
COUNTY: NVNYEX  
LAST OBSERVED: 1988-03-30  
PRECISION: SC  
TOWNSHIP/RANGE: 012S047E  
SECTION: 08  
QUADNAME: BEATTY MTN  
TOWNSHIP COMMENT: NW4, & SECTION 7  

DIRECTIONS TO SITE:  
ON DIRT RD TO OLD MINE SITE AT W BASE OF BEATTY MOUNTAIN, 0.5 MI UP DIRT RD FROM BEATTY TOWNSHIP. OVERLOOKING BEATTY FROM SE. ON HILLS JUST EAST OF BEATTY. N END OF BARE MOUNTAIN.  

GENERAL SITE DESCRIPTION:  
WITH ERIOGONUM FASCICULATUM-LARRA-LYCIUM. BLACKBRUSH SCRUB WITH SCLEROCACTUS. LIGHT COLORED VOLCANIC TUFF, WELDED RHYOLITES. STEEP SLOPES. LOOSE WHITE GRAVEL ALONG ROAD.  

SPECIES DATA:  
OCCASIONAL.  

INFO SOURCE: WILLIAMS 78-14-5. COCHRANE, S. 1979. T/E SPECIES ON NTS. KNIGHT.  
1988. FIELD SITE SHEET IN SPECIES FILE. RENO 41625. NSM  
OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
ASTRAGALUS FUNEREUS
FUNERAL MILK-VETCH

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNNPS: W

FIRST OBSERVED: 1907  ELEVATION: 3750  COUNTY: NVNYEX
LAST OBSERVED : 1970-04-28  PRECISION: SC
TOWNSHIP/RANGE: 011S048E  QUADNAME: BEATTY MTN
SECTION: 30  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
BEATTY WASH, 3.5 MI E OF ROUTE 95. AMARAGOSA VALLEY DRAINAGE

GENERAL SITE DESCRIPTION:
IN HYMENOCLEA-CHRYSOTHAMNUS VEGETATION.

SPECIES DATA:

INFO SOURCE: COCHRANE, S. 1979. STATUS OF T/E SPECIES ON NTS.
OWNERSHIP/MGMT.: BLM/BATTLE MTN, PRIVATE/BEATTY

ASTRAGALUS FUNEREUS
FUNERAL MILK-VETCH

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNNPS: W

FIRST OBSERVED: 1907  ELEVATION: 4000  COUNTY: NVNYEX
LAST OBSERVED : 1978-04-30  PRECISION: SC
TOWNSHIP/RANGE: 012S046E  QUADNAME: BEATTY
SECTION: 16  TOWNSHIP COMMENT: NE4NW4; & SECTION 9

DIRECTIONS TO SITE:
E FACE OF BONANZA MOUNTAIN, RHYOLITE, W OF TOWNSITE

GENERAL SITE DESCRIPTION:
IN OLD ROAD BED. DRY HILLSIDE. WITH ATRIPLEX CONFERTIFOLIA.

SPECIES DATA:
SCATTERED PLANTS IN FRUIT. 3800' OCCASIONAL.

T/E SPECIES ON NTS. RENO 46640. UNLV 25083.
OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
ASTRAGALUS FUNEREUS
FUNERAL MILK-VETCH

PROTECTION STATUS
FEDERAL: C2
NRS: NONE
NNNPS: W

FIRST OBSERVED: 1907
LAST OBSERVED: 1978-04-30
ELEVATION: 3200
COUNTY: NVNYEX
PRECISION: SC

TOWNSHIP/RANGE: 012S047E
SECTION: 07
QUADNAME: BEATTY
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
HILLS SE OF BEATTY

GENERAL SITE DESCRIPTION:
WITH MACHAERANTHERA TORTIFOLIA, ATRIPELX HYMENOLYTRA, GRAYIA SPINOSA, EPHEDRA NEVADENSIS, ACAMPTOPAPPUS SHOCKLEYI. ON MINERALIZED GRAVELLY SOIL.

SPECIES DATA:
SCATTERED INDIVIDUALS, SCARCE.

INFO SOURCE: WILLIAMS, M. 1978. FIELD SITE SHEET.

OWNERSHIP/MGMT.: PRIVATE/BEATTY,BLM/BATTLE MTN

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ASTRAGALUS FUNEREUS
FUNERAL MILK-VETCH

PROTECTION STATUS
FEDERAL: C2
NRS: NONE
NNNPS: W

FIRST OBSERVED: 1907
LAST OBSERVED: 1907-04-24
ELEVATION: 6500
COUNTY: NVNYEX
PRECISION: MO

TOWNSHIP/RANGE: 002N042E
SECTION: 02
QUADNAME: TONOPAH
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
TONOPAH

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: CROSBY, V. 1978C. STATUS REPORT.

OWNERSHIP/MGMT.: BLM/BATTLE MTN, PRIVATE?
ASTRAGALUS LENTIGINOSUS VAR SESQUIMETRALIS
SODAVILLE MILK-VETCH

PROTECTION STATUS
FEDERAL: C1 NRS: CE NNNPS: T

FIRST OBSERVED: 1882 ELEVATION: 4150 COUNTY: NVNYEX
LAST OBSERVED: 1980-06-17 PRECISION: SC
TOWNSHIP/RANGE: 012N034E QUADNAME: MOUNT ANNIE
SECTION: 06 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
S OF COLD SPRING AT E EDGE OF ALKALI FLAT, CA. 4 AIR MI. SW OF MT. ANNIE, IN NORTH GABBBS VALLEY

GENERAL SITE DESCRIPTION:
IN SALINE SEEP.

SPECIES DATA:
SEVERAL HUNDRED SEEN.

INFO SOURCE: TIEHM. PERS. COMM, NOTE IN SPECIES FILE.

OWNERSHIP/MGMT.: BLM/BATTLE MTN, CARSON

ASTRAGALUS PSEUDIODANTHUS
TONOPAH MILK-VETCH

PROTECTION STATUS
FEDERAL: 3C NRS: NONE NNNPS: D

FIRST OBSERVED: 1978 ELEVATION: 5260 COUNTY: NVNYEX
LAST OBSERVED: 1981-05-23 PRECISION: M
TOWNSHIP/RANGE: 001N045E QUADNAME: MONITOR PEAK
SECTION: 27 TOWNSHIP COMMENT: AND SECTION 36

DIRECTIONS TO SITE:
RALSTON VALLEY, S OF HWY 6. TONOPAH TEST RANGE, CACTUS FLATS.

GENERAL SITE DESCRIPTION:
WITH CHRYSOTHAMNUS GREENEI, ORYZOPSIS, CYMOPTERUS RIPLEYI, PHACELIA BICOLOR, PSOROTHAMNUS POLYDENIUS. SANDY SOIL.

SPECIES DATA:

INFO SOURCE: WILLIAMS 81-22-5. YODER-WILLIAMS 673. RENO HERBARIUM #52127. NSM 6028 G.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
ASTRAGALUS PSEUDIODANTHUS
TONOPAH MILK-VETCH

FIRST OBSERVED: 1978
LAST OBSERVED: 1978-06-25
ELEVATION: 5300
COUNTY: NVNYEX
TOWNSHIP/RANGE: 001N046E
SECTION: 03
QUADNAME: REEDS RANCH
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
SE OF TONOPAH, BETWEEN MONITOR HILLS AND CACTUS PEAK

GENERAL SITE DESCRIPTION:
WITH CYMOPTERUS. SANDY SOIL.

SPECIES DATA:

INFO SOURCE: WILLIAMS 78-133-3. DET BY BARNEBY. RENO HERBARIUM #41630.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

ASTRAGALUS PSEUDIODANTHUS
TONOPAH MILK-VETCH

FIRST OBSERVED: 1981
LAST OBSERVED: 1981-05-17
ELEVATION: 5400
COUNTY: NVNYEX
TOWNSHIP/RANGE: 007N041E
SECTION: 36
QUADNAME: SAN ANTONIO RANCH
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
BIG SMOKY VALLEY, 3 AIR MI SSW OF SAN ANTONIO RANCH

GENERAL SITE DESCRIPTION:
WITH TETRADYMIA. DEEP SANDS.

SPECIES DATA:

INFO SOURCE: TIEHM 6441. RENO HERBARIUM #61376.

OWNERSHIP/MGMT.: BLM/BATT, PRIVATE/SAN ANTONIO
ASTRAGALUS PSEUDIODANTHUS
TONOPAH MILK-VETCH

PROTECTION STATUS
FEDERAL: 3C NRS: NONE
NNNPS: D

FIRST OBSERVED: 1978
LAST OBSERVED: 1978-06-25
ELEVATION: 5200
PRECISION: S
COUNTY: NVNYEX
TOWNSHIP/RANGE: 004N041E QUADNAME: CRESCENT DUNES
SECTION: 26 TOWNSHIP COMMENT: AND SECTION 35

DIRECTIONS TO SITE:
6.2 MI NW OF HWY 89, BOTH SIDES OF ROAD

GENERAL SITE DESCRIPTION:
DEEP SAND.

SPECIES DATA:
ABUNDANT.

INFO SOURCE: WILLIAMS 78-136-1. RENO HERBARIUM #41629. NSM 872 G.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

ASTRAGALUS PTEROCARPUS
WINGED MILK-VETCH

PROTECTION STATUS
FEDERAL: 3C NRS: NONE
NNNPS: D

FIRST OBSERVED: 1973
LAST OBSERVED: 1973-06-11
ELEVATION: 4505
PRECISION: M
COUNTY: NVLAND
TOWNSHIP/RANGE: 033N045E QUADNAME: BATTLE MOUNTAIN
SECTION: 34 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
NEAR BATTLE MOUNTAIN, FROM SOUTHERN PACIFIC RR TRACKS IN BATTLE MOUNTAIN, N
3.8 MI ON 18-A TO BLOSSOM RANCH

GENERAL SITE DESCRIPTION:
WITH SAGEBRUSH AND ELYMUS CINEREUS.

SPECIES DATA:
COMMON.

INFO SOURCE: HOLMGREN, SCHULTZ AND SCHULTZ.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
ASTRAGALUS PTEROCARPUS
WINGED MILK-VETCH

FIRST OBSERVED: 1941
LAST OBSERVED: 1941-06
ELEVATION: 4535
COUNTY: NVLAND
PRECISION: M
TOWNSHIP/RANGE: 031N045E
QUADNAME: BLOSSOM SPRING
SECTION: 08
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
3.5 MI S OF BATTLE MOUNTAIN ON RT 8A

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: HOLMGREN, SCHULTZ AND SCHULTZ.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

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ASTRAGALUS SERENSI VAR SORDESCENS
SQUALID MILK-VETCH

FIRST OBSERVED: 1978
LAST OBSERVED: 1978-06-28
ELEVATION: 6680
COUNTY: NVNYEX
PRECISION: S
TOWNSHIP/RANGE: 011N039E
QUADNAME: GRANTSVILLE
SECTION: 29
TOWNSHIP COMMENT: NE4

DIRECTIONS TO SITE:
IONE VALLEY, ADJACENT TO SHOSHONE RANGE

GENERAL SITE DESCRIPTION:
ARTEMISIA NOVA COMMUNITY.

SPECIES DATA:

INFO SOURCE: GOODRICH 11626. AUSTIN RANGER DISTRICT HERBARIUM., RENO HERBARIUM 44647.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
ASTRAGALUS SERENOI VAR SORDESCENS
SQUALID MILK-VETCH

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1981  ELEVATION: 6000  COUNTY: NVNYEX
LAST OBSERVED: 1981-06-09  PRECISION: S

TOWNSHIP/RANGE: 002N054E  QUADNAME: EDS WELL
SECTION: 02  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
QUINN CANYON RANGE, 1.3 AIR MI NE OF RED BLUFF SPRING

GENERAL SITE DESCRIPTION:
WITH JUNIPER AND ARTEMISIA. LIGHT COLORED HILLS.

SPECIES DATA:

INFO SOURCE: TIEHM 6567 AND WILLIAMS. RENO HERBARIUM #63945.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

ASTRAGALUS SERENOI VAR SORDESCENS
SQUALID MILK-VETCH

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1981  ELEVATION: 5040  COUNTY: NVESME
LAST OBSERVED: 1981-05-06  PRECISION: S

TOWNSHIP/RANGE: 001N039E  QUADNAME: NORTH OF SILVER PEAK
SECTION: 32  TOWNHIPS COMMENT:

DIRECTIONS TO SITE:
9.8 AIR MI N OF SILVER PEAK

GENERAL SITE DESCRIPTION:
WITH CHRYSOTHAMNUS. GRAVEL WASH.

SPECIES DATA:

INFO SOURCE: TIEHM 6377. RENO HERBARIUM #61442.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
ASTRAGALUS SERENOI VAR SORDESCENS | SQUALID MILK-VETCH

PROTECTION STATUS
FEDERAL: 3C NRS: NONE
NNNPS: D

FIRST OBSERVED: 1978 ELEVATION: 5900 COUNTY: NVNYEX
LAST OBSERVED: 1978-06-04 PRECISION: S

TOWNSHIP/RANGE: 005N044E QUADNAME: HENRYS WELL
SECTION: 30 TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
HWY 6 & 82

GENERAL SITE DESCRIPTION:
SCARCE WITH LOW SHRUBS. E-FACING SLOPES.

SPECIES DATA:

INFO SOURCE: WILLIAMS 78-94-1. RENO HERBARIUM #41634.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

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ASTRAGALUS SERENOI VAR SORDESCENS | SQUALID MILK-VETCH

PROTECTION STATUS
FEDERAL: 3C NRS: NONE
NNNPS: D

FIRST OBSERVED: 1982 ELEVATION: 5700 COUNTY: NVNYEX
LAST OBSERVED: 1982-06-19 PRECISION: S

TOWNSHIP/RANGE: 007N051E QUADNAME: PALISADE MESA
SECTION: 02 TOWNHSHIP COMMENT:

DIRECTIONS TO SITE:
HOT CREEK VALLEY, 4.5 RD MI N OF HWY 6 ON HOT CREEK RD

GENERAL SITE DESCRIPTION:
WITH TETRADYMIA. LIGHT COLORED, GULLIED HILLS.

SPECIES DATA:

INFO SOURCE: TIEHM 7234 AND WILLIAMS. RENO HERBARIUM #63330.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
ASTRAGALUS SERENOI VAR SORDESCENS | PROTECTION STATUS
SQUALID MILK-VETCH | FEDERAL: 3C  NRS: NONE
| NNNPS: D

FIRST OBSERVED: 1980  ELEVATION: 5840  COUNTY: NVNYEX
LAST OBSERVED: 1980-07-02  PRECISION: M
TOWNSHIP/RANGE: 006N054E  QUADNAME: THE WALL
SECTION: 06  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
PANCAKE RANGE, 12.3 MI SE OF LUNAR CRATER ON RD TO STORM SPRING, RAILROAD VALLEY

GENERAL SITE DESCRIPTION:
COLD DESERT SHRUB. COARSE SANDY SOIL, VOLCANIC-BASALTIC OUTCROPS.

SPECIES DATA:
INFO SOURCE: B. WELSH 426 AND THORNE. RENO HERBARIUM #53016.
OWNERSHIP/MGMT.: BLM/BATTLE MTN

ASTRAGALUS SERENOI VAR SORDESCENS | PROTECTION STATUS
SQUALID MILK-VETCH | FEDERAL: 3C  NRS: NONE
| NNNPS: D

FIRST OBSERVED: 1978  ELEVATION: 6400  COUNTY: NVNYEX
LAST OBSERVED: 1978-06-04  PRECISION: S
TOWNSHIP/RANGE: 007N045E  QUADNAME: BIG TEN PEAK WEST
SECTION: 08  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
ON SILVER CREEK ROAD NEAR BELMONT.

GENERAL SITE DESCRIPTION:
IN SAGEBRUSH.

SPECIES DATA:
OCCASIONAL.

INFO SOURCE: WILLIAMS 78-95-1 ET AL. NSM 873 G.
OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
ASTRAGALUS UNCIALIS  
CURRENTH MILK-VETCH  

PROTECTION STATUS  
FEDERAL: C2  
NRS: NONE  
NNPNS: W

FIRST OBSERVED: 1941  
LAST OBSERVED: 1942-05-12  
ELEVATION: 4800  
PRECISION: SC  
COUNTY: NVNYEX

TOWNSHIP/RANGE: 008N055E  
SECTION: 15  
QUADNAME: LOCKES  
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:  
W SIDE OF PANCAKE RANGE, NEAR LOCKES RANCH

GENERAL SITE DESCRIPTION:  
FOOTHILLS, ALKALI SANDS.

SPECIES DATA:  
IN 1980, 100 PLANTS COUNTED. 4 IN 1981.

INFO SOURCE: GOODRICH, S. 1979E. STATUS REPORT.

OWNERSHIP/MGMT.: BLM/BATTLE MTN, PRIVATE/LOCKES

ASTRAGALUS UNCIALIS  
CURRENTH MILK-VETCH  

PROTECTION STATUS  
FEDERAL: C2  
NRS: NONE  
NNPNS: W

FIRST OBSERVED: 1941  
LAST OBSERVED: 1981-  
ELEVATION: 4800  
PRECISION: SC  
COUNTY: NVNYEX

TOWNSHIP/RANGE: 008N057E  
SECTION: 23  
QUADNAME: BLUE EAGLE SPRINGS  
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:  
NE OF SHARP RANCH, ALONG E EDGE OF RAILROAD VALLEY AND W SLOPES OF GRANT RANGE

GENERAL SITE DESCRIPTION:

SPECIES DATA:  
'MANY' PLANTS. 1 SEEN IN 1981.

INFO SOURCE: WILLIAMS, M. 1981B. STATUS REPORT.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
ASTRAGALUS UNCIALIS  
CURRANT MILK-VETCH  

PROTECTION STATUS  
FEDERAL: C2  
NRS: NONE  
NNNPS: W  

FIRST OBSERVED: 1941  
ELEVATION: 5000  
COUNTY: NVNYEX  

LAST OBSERVED: 1981-  
PRECISION: SC  

TOWNSHIP/RANGE: 006N056E  
QUADNAME: TROY CANYON  
SECTION: 24  
TOWNSHIP COMMENT:  

DIRECTIONS TO SITE:  
NEAR TROY CANYON RD IN RAILROAD VALLEY, AT FOOTHILLS OF GRANT RANGE  

GENERAL SITE DESCRIPTION:  
ALLUVIAL FAN.  

SPECIES DATA:  
6 PLANTS IN 1980.  

INFO SOURCE: WILLIAMS, M. 1981B. STATUS REPORT.  

OWNERSHIP/MGMT.: BLM/BATTLE MTN  

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ASTRAGALUS UNCIALIS  
CURRANT MILK-VETCH  

PROTECTION STATUS  
FEDERAL: C2  
NRS: NONE  
NNNPS: W  

FIRST OBSERVED: 1980  
ELEVATION: 5300  
COUNTY: NVNYEX  

LAST OBSERVED: 1980-05-10  
PRECISION: S  

TOWNSHIP/RANGE: 008N055E  
QUADNAME: LOCKES  
SECTION: 03  
TOWNSHIP COMMENT:  

DIRECTIONS TO SITE:  
RAILROAD VALLEY, 0.8 MI NE OF LOCKES ON HWY 6 AND 1.2 MI NW OF DIRT RD  

GENERAL SITE DESCRIPTION:  
WITH ATRIPLEX, SARCOBATUS, BUDSAGE. DRY FLATS.  

SPECIES DATA:  

INFO SOURCE: WILLIAMS 80-13-1 AND COCHRANE AND TIEHM. RENO HERBARIUM #50019.  

OWNERSHIP/MGMT.: BLM/BATTLE MTN
CAMISSONIA BOOTHII SSP ALYSSOIDES
PINE CREEK EVENING-PRIMROSE

PROTECTION STATUS
FEDERAL: NRS: NONE
NNNPS: NONE

FIRST OBSERVED: 1978 ELEVATION: 6113 COUNTY: NVLAND
LAST OBSERVED: 1978-06-27 PRECISION: M

TOWNSHIP/RANGE: 018N040E QUADNAME: EMIGRANT PEAK
SECTION: 25 TOWNSHIP COMMENT: OR SECTION 26

DIRECTIONS TO SITE:
SMITH CREEK VALLEY

GENERAL SITE DESCRIPTION:
WITH WINTER FAT. DISTURBED GROUND.

SPECIES DATA:
INFO SOURCE: GOODRICH 11611. AUSTIN RANGER DISTRICT HERBARIUM.
OWNERSHIP/MGMT.: BLM/BATTLE MTN

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CAMISSONIA BOOTHII SSP ALYSSOIDES
PINE CREEK EVENING-PRIMROSE

PROTECTION STATUS
FEDERAL: NRS: NONE
NNNPS: NONE

FIRST OBSERVED: 1978 ELEVATION: 5100 COUNTY: NVLAND
LAST OBSERVED: 1978-06-03 PRECISION: S

TOWNSHIP/RANGE: 024N043E QUADNAME: MANHATTAN MTN NW
SECTION: 08 TOWNSHIP COMMENT: 

DIRECTIONS TO SITE:
35.8 MI N OF HWY 50 ON HWY 8A

GENERAL SITE DESCRIPTION:
ROLLING HILLS, SALINE SOILS.

SPECIES DATA:
OWNERSHIP/MGMT.: BLM/BATTLE MTN
CAMISSONIA BOOTHII SSP ALYSSOIDES
PINE CREEK EVENING-PRIMROSE

FIRST OBSERVED: 1976
LAST OBSERVED: 1976-06-17
TOWNSHIP/RANGE: 019N048E
SECTION: 26
COUNTY: NVEURE
ELEVATION: 6300
PRECISION: M

DIRECTIONS TO SITE:
W OF MONITOR RANGE, 1 MI S OF HWY 50, MONITOR VALLEY

GENERAL SITE DESCRIPTION:
WITH SAGEBRUSH. DRY, SANDY SOIL.

SPECIES DATA:
INFO SOURCE: HERBARIUM LOG SHEET, UNLV 22107. DUP OF WILLIAMS 76-51-4.
OWNERSHIP/MGMT.: BLM/BATTLE MTN

CORDYLANTHUS TECOPENSIS
TECOPA BIRD'S-BEAK

FIRST OBSERVED: 1898
LAST OBSERVED: 1978-08-03
TOWNSHIP/RANGE: 002N036E
SECTION: 33
COUNTY: NVESME
ELEVATION: 4900
PRECISION: SC

DIRECTIONS TO SITE:
GAP SPRING, NE OF TAMARIX GROVE (CA 0.15 MI BEYOND), JUST BEFORE PHRAGMITES. E OF SILVER PEAK RANGE, NEW EDGE OF FISH LAKE VALLEY

GENERAL SITE DESCRIPTION:
WITH CORDYLANTHUS MARITIMUS CANESCENS. HAPLOPAPPUS, CENTAURIUM, JUNCUS, ELEOCHARIS. SATURATED SOILS. SALINE W/ WHITE CRUST.

SPECIES DATA:
APPROX. 100 PLANTS SEEN.

INFO SOURCE: WILLIAMS, TIEHM.
OWNERSHIP/MGMT.: BLM?/BATTLE MOUNTAIN, PRIVATE?
**CORDYLANTHUS TECOPENSIS**

**TECOPA BIRD'S-BEAK**

- **PROTECTION STATUS**
  - FEDERAL: C2
  - NRS: NONE
  - NNNPS: T

**FIRST OBSERVED**: 1980

**ELEVATION**: 4720

**COUNTY**: NVESME

**LAST OBSERVED**: 1980-07-09

**PRECISION**: S

**TOWNSHIP/RANGE**: 001S036E

**QUADNAME**: RHYOLITE RIDGE SW

**SECTION**: 16

**TOWNSHIP COMMENT**: 

**DIRECTIONS TO SITE**: 

FISH LAKE VALLEY, FIRST GROUP OF SPRINGS ALONG ROAD FROM GAP SPRINGS.

**GENERAL SITE DESCRIPTION**: 

CLAY SOILS WITH DISTICHILIS AND CHRYSOTHAMNUS ALBIDUS.

**SPECIES DATA**: 

**INFO SOURCE**: WILLIAMS 80-198-2 AND TIEHM. NSM 1800 G.

**OWNERSHIP/MGMT.**: BLM/BATTLE MOUNTAIN

---

**CORYPHANTHA VIVIPARA VAR ROSEA**

**CLOKEY'S PINCUSHION**

- **PROTECTION STATUS**
  - FEDERAL: 3C
  - NRS: CY
  - NNNPS: D

**FIRST OBSERVED**: 1978

**ELEVATION**: 5900

**COUNTY**: NVESME

**LAST OBSERVED**: 1978-06-21

**PRECISION**: M

**TOWNSHIP/RANGE**: 002N042E

**QUADNAME**: TONOPAH

**SECTION**: 13

**TOWNSHIP COMMENT**: 

**DIRECTIONS TO SITE**: 

1.2 MI S OF TONOPAH ON HWY 95.

**GENERAL SITE DESCRIPTION**: 

LOW ROLLING HILLS.

**SPECIES DATA**: 

RARE.

**INFO SOURCE**: RENO 43039. WILLIAMS 78-126.

**OWNERSHIP/MGMT.**: BLM/BATTLE MOUNTAIN
CORYPHANTHA VIVIPARA VAR ROSEA
CLOKEY'S PINCUSHION

FIRST OBSERVED: 1971
LAST OBSERVED: 1971-06-06
ELEVATION: 5000
PRECISION: G
COUNTY: NVNYEX

TOWNSHIP/RANGE: 004N050E
SECTION: 20
QUADNAME: WARM SPRINGS

DIRECTIONS TO SITE:
E HANCOCK SUMMIT, WARM SPRINGS, ON HWY 6 AT S END OF HOT CREEK RANGE.

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: MOZINGO 71-2. RENO 39795.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

---

CORYPHANTHA VIVIPARA VAR ROSEA
CLOKEY'S PINCUSHION

FIRST OBSERVED: 1967
LAST OBSERVED: 1967-07-11
ELEVATION: 5000
PRECISION: G
COUNTY: NVNYEX

TOWNSHIP/RANGE: 008N057E
SECTION: 12
QUADNAME: BLUE EAGLE SPRINGS

DIRECTIONS TO SITE:
GRANT RANGE, NEAR SHARP RANCH.

GENERAL SITE DESCRIPTION:
IN FOOTHILLS.

SPECIES DATA:

INFO SOURCE: WILLIAMS AND MOZINGO. RENO 39819, 39791.

OWNERSHIP/MGMT.: BLM/BATTLE MTN, NDOW/RAILROAD
<table>
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<th><strong>CRYPTANTHA HOFFMANNII</strong></th>
<th><strong>PROTECTION STATUS</strong></th>
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<tr>
<td>HOFFMAN'S CAT'S-EYE</td>
<td>FEDERAL: 3C</td>
</tr>
<tr>
<td></td>
<td>NRS: NONE</td>
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<tr>
<td></td>
<td>NNNPS: D</td>
</tr>
</tbody>
</table>

**FIRST OBSERVED:** 1979  
**ELEVATION:** 5400  
**COUNTY:** NVESME  
**LAST OBSERVED:** 1979-05-18  
**PRECISION:** S  

**TOWNSHIP/RANGE:** 007S041E  
**QUADNAME:** GOLD POINT  
**SECTION:** 02  
**TOWNSHIP COMMENT:**  

**DIRECTIONS TO SITE:**  
0.25 MI S OF GOLD POINT AND 2.5 MI W OF MT DUNFEE  

**GENERAL SITE DESCRIPTION:**  
WITH ATRIPLEX CONFERTIFOLIA, GRAYIA, SCLEROCACTUS POLYANCISTRUS. LIMESTONE SUBSTRATE.  

**SPECIES DATA:**  
LOCALLY COMMON.  

**INFO SOURCE:** NILES AND HOLLAND 2135A. DET BY L.C. HIGGINS 1979. UNLV HERBARIUM #13368.  
**OWNERSHIP/MGMT.:** BLM/BATTLE MOUNTAIN

<table>
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<tr>
<th><strong>CYMOPTERUS GOODRICHII</strong></th>
<th><strong>PROTECTION STATUS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>GOODRICH'S BISCUITROOT</td>
<td>FEDERAL: C2</td>
</tr>
<tr>
<td></td>
<td>NRS: NONE</td>
</tr>
<tr>
<td></td>
<td>NNNPS: W</td>
</tr>
</tbody>
</table>

**FIRST OBSERVED:** 1975  
**ELEVATION:** 10600  
**COUNTY:** NVLAND  
**LAST OBSERVED:** 1981-07-16  
**PRECISION:** SC  

**TOWNSHIP/RANGE:** 016N043E  
**QUADNAME:** NORTH TOIYABE PEAK  
**SECTION:** 01  
**TOWNSHIP COMMENT:** AND S2 NE4 AND SE4  

**DIRECTIONS TO SITE:**  
TOIYABE RANGE, CREST B/W BIG CREEK AND GLOBE CANYON. CA. 22.5 KM S AND SLIGHTLY W OF AUSTIN, NEAR CORNERS OF SECTION. FIRST PEAK N OF BUNKER HILL. 2 MI N BUNKER HILL.  

**GENERAL SITE DESCRIPTION:**  
5-10 CM ELONGATED GRAVEL & COBBLE-SIZED SLATE OVER VERY GRAVELLY SANDY LOAM SOIL, PH 7.8. W/SLIGHTLY VESICULAR CRUST. E EXPOSURE, SLOPE 20%. WITH CREPIS NANA, LEOCOPOA KINGII.  

**SPECIES DATA:**  
**OWNERSHIP/MGMT.:** USFS/TOIYABE
CYMOPHERUS GOODRICHII
GOODRICH'S BISCUITROOT

PROTECTION STATUS
FEDERAL: C2 NRS: NONE
NNNPS: W

FIRST OBSERVED: 1975
LAST OBSERVED: 1979-07-09
ELEVATION: 7300
COUNTY: NVLAND
PRECISION: SC

TOWNSHIP/RANGE: 017N043E
SECTION: 14
QUADNAME: NORTH TOIYABE PEAK
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
N FORK BIG CREEK, 18 KM S OF AUSTIN. TOIYABE RANGE

GENERAL SITE DESCRIPTION:
WITH DRABA ARIDA, HAPLOPAPPUS MACRONEMA, RIBES MONTIGENUM, ARTEMISIA MICHAXIANA. GRAVELLY SLOPES & VERY UNSTABLE GRAVEL AND COBBLE-SIZE TALUS ON 50% SLOPE.

SPECIES DATA:

OWNERSHIP/MGMT.: USFS/TOIYABE

CYMOPHERUS RIPLEYI VAR SANICULOIDES
RIPLEY'S BISCUITROOT

PROTECTION STATUS
FEDERAL: C2 NRS: NONE
NNNPS: W

FIRST OBSERVED: 1941
LAST OBSERVED: 1979-06-12
ELEVATION: 5400
COUNTY: NVNYEX
PRECISION: MO

TOWNHSHIP/RANGE: 010N043E
SECTION: 03
QUADNAME: PABLO CANYON RANCH
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
BIG SMOKY VALLEY, 18 MI & 325 DEGREES FROM MANHATTAN

GENERAL SITE DESCRIPTION:
VERY SANDY SOILS. DESERT SHRUB COMMUNITY WITH TETRADYMIA GLABRATA, EPHEDRA, AND GRAYIA.

SPECIES DATA:
INFO SOURCE: GOODRICH, S. 1979. STATUS REPORT ADDENDUM.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
**Cymopterus Ripleyi var Saniculoides**  
**Ripley's Biscuitroot**

**Protection Status**
- Federal: C2
- NRS: None
- NNNPS: W

**First Observed:** 1978  
**Elevation:** 5400  
**County:** NVNYEX

**Last Observed:** 1978-05-28  
**Precision:** M

**Township/Range:** 006N051E  
**Section:** 21  
**Quadname:** Buckwheat Rim

**Directions to Site:**  
63 MI E of Tonopah on HWY 6 near Blue Jay Maintenance Station, low hills NE of road.

**General Site Description:**  
Sandy soil with Astragalus Callithrix.

**Species Data:**

**Info Source:** UNLV Herbarium 14330. Williams 78-74-1.

**Ownership/Mgmt.:** BLM/Battle Mountain

---

**Epiobium Nevadense**  
**Nevada Willowherb**

**Protection Status**
- Federal: C2
- NRS: None
- NNNPS: W

**First Observed:** 1983  
**Elevation:** 7000  
**County:** NVEURE

**Last Observed:** 1983-07-19  
**Precision:** S

**Township/Range:** 025N054E  
**Section:** 22  
**Quadname:** Railroad Pass

**Directions to Site:**  
Diamond Mountains, Davis Canyon NW side of the range, 0.2 MI E of First Creek Crossing.

**General Site Description:**  
Steep outcrops.

**Species Data:**

**Info Source:** Tiehm 8190 and Williams. NSM 2480 G.

**Ownership/Mgmt.:** BLM/Battle Mountain
ERIOGONUM ANEMOPHILUM | PROTECTION STATUS
WIND LOVING BUCKWHEAT

FIRST OBSERVED: 1894  ELEVATION: 5300  COUNTY: NVLAND
LAST OBSERVED: 1978-06-03  PRECISION: MO

TOWNSHIP/RANGE: 023N043E  QUADNAME: MANHATTAN MTN
SECTION: 02  TOWNSHIP COMMENT: ON SEC LINE OF 2 & 3

DIRECTIONS TO SITE:
HWY 8A, ABOUT 20 MI N OF 8A AND US 50 JUNCTION, 0.25 MI W OF THE HWY. REESE RIVER VALLEY, S OF MANHATTAN MOUNTAIN

GENERAL SITE DESCRIPTION:
WITH PHACELIA GLABBERIMA. STEEP SLOPES ON WHITE, LACUSTRINE TUFF.

SPECIES DATA:

INFO SOURCE: GOODRICH, S. 1978. COLLECTION AT RENO #52876, WITH MARGARET AND LORING WILLIAMS.
OWNERSHIP/MGMT.: BLM/BATTLE MTN

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ERIOGONUM ANEMOPHILUM | PROTECTION STATUS
WIND LOVING BUCKWHEAT

FIRST OBSERVED: 1894  ELEVATION: 5200  COUNTY: NVLAND
LAST OBSERVED: 1978-06-09  PRECISION: SC

TOWNSHIP/RANGE: 024N043E  QUADNAME: MANHATTAN MTN NW
SECTION: 28  TOWNSHIP COMMENT: UNSURVEYED

DIRECTIONS TO SITE:
REESE RIVER VALLEY, HIGHWAY 8A NEAR CARICO LAKE ROAD JUNCTION

GENERAL SITE DESCRIPTION:
NEARLY BARREN KNOLLS OF TUFF.

SPECIES DATA:

INFO SOURCE: GOODRICH, S. 1978. COLLECTION #11432 AT RENO.
OWNERSHIP/MGMT.: BLM/BATTLE MTN
**ERIOGONUM ANEMOPHILUM**  
**WIND LOVING BUCKWHEAT**

- **FIRST OBSERVED:** 1980-06-25
- **ELEVATION:** 5000
- **COUNTY:** NVLAND
- **LAST OBSERVED:** 1980-06-25
- **PRECISION:** M
- **TOWNSHIP/RANGE:** 027N042E
- **QUADNAME:** MT MOSES
- **SECTION:** 07
- **OWNERSHIP/MGMT.:** BLM/BATTLE MOUNTAIN
- **COMMENT:**

**DIRECTIONS TO SITE:**  
FISH CREEK MOUNTAINS, FISH CREEK BASIN, IN THE MIDDLE OF THE RANGE.

**GENERAL SITE DESCRIPTION:**

**SPECIES DATA:**

INFO SOURCE: TIEHM 6059, TIEHM, A. 1989B. RARE PLANT REPORT.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

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**ERIOGONUM TIEHMI**  
**TIEHM'S BUCKWHEAT**

- **FIRST OBSERVED:** 1984
- **ELEVATION:** 6000
- **COUNTY:** NVESME
- **LAST OBSERVED:** 1984-05-31
- **PRECISION:** SC
- **TOWNSHIP/RANGE:** 001S037E
- **QUADNAME:** RHYOLITE RIDGE
- **SECTION:** 27
- **TOWNSHIP COMMENT:** UNSURVEYED

**DIRECTIONS TO SITE:**  
SILVER PEAK RANGE JUST N OF ROAD FROM SILVERPEAK TO FISH LAKE VALLEY, 1.2 AIR MI NNW OF CAVE SPRINGS. ROAD HITS FISH LAKE VALLEY S OF GAP SPRINGS

**GENERAL SITE DESCRIPTION:**  
ALLUVIAL SLOPE. ASH DEPOSIT, COMPACTED SHALE.

**SPECIES DATA:**  
THOUSANDS ON A BARREN ROCK OUTCROP.

INFO SOURCE: TIEHM 8534 AND REVEAL. RENO HERBARIUM 57022.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
FORSELLESIA NEVADENSIS
NEVADA GREASEBUSH

PROTECTION STATUS
FEDERAL: NRS: NONE
NNNPS: NONE

FIRST OBSERVED: 1977
LAST OBSERVED : 1977-05-21
ELEVATION: 6500
COUNTY: NVESME
PRECISION: SC

TOWNSHIP/RANGE: 002N040E
SECTION: 14
QUADNAME: LONE MOUNTAIN
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
ON LONE MOUNTAIN, EAST SIDE OF MIKE'S WELL, W OF TONOPAH

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: TIEHM, 3310.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

FRASERA PAHUTENSIS
PAHUTE GREEN-GENTIAN

PROTECTION STATUS
FEDERAL: C2 NRS: NONE
NNNPS: W

FIRST OBSERVED: 1970
LAST OBSERVED : 1979-07-09
ELEVATION: 7400
COUNTY: NVNYEX
PRECISION: SC

TOWNSHIP/RANGE: 008N044E
SECTION: 29
QUADNAME: MANHATTAN
TOWNSHIP COMMENT: OR SECTION 32 SE4

DIRECTIONS TO SITE:
TOQUIMA RANGE, 2.5 MI S OF MANHATTAN

GENERAL SITE DESCRIPTION:
PINYON-JUNIPER COMMUNITY, OPUNTIA, HAPLOPAPPUS, PHLOX, KOELERIA CRISTATA,
CHRYSOThAMNUS VISCIDIFLORUS, POA SANDBERGII, ARABIS SP., ARTEMISIA ARBUSCULA.
CLAY LOAM SOILS IN DRAINAGES

SPECIES DATA:
COMMON.

INFO SOURCE: SMITH. SITE SHEETS FOR USFS.

OWNERSHIP/MGMT.: USFS/TOIYABE, PRIVATE
Frasera pahutea

**Protection Status**
- Federal: C2
- NRS: None
- NNNPS: W

**First Observed:** 1970
**Elevation:** 7200
**County:** NVNYEX
**Precision:** G

**Township/Range:** 008N044E
**Section:** 20
**Quadname:** MANHATTAN
**Township Comment:**

**Directions to Site:**
E of MANHATTAN. at S end of TOQUIMA RANGE

**General Site Description:**
Associated with Pinyon-Juniper community and Artemisia. On white outcrop of volcanics.

**Species Data:**
Local and rare.

**Info Source:** Holmgren and Reveal and Ertter.

**Ownership/Management:** USFS/TOIYABE

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**Frasera pahutea**

**First Observed:** 1970
**Elevation:** 7600
**County:** NVNYEX
**Precision:** SC

**Township/Range:** 008N044E
**Section:** 16
**Quadname:** MANHATTAN
**Township Comment:**

**Directions to Site:**
W of summit on rd from BELMONT to MANHATTAN, about 1.5 mi from MANHATTAN

**General Site Description:**
In Pinyon-Juniper, with Peraphyllum ramosissima, Purshia, Artemisia, on volcanics.

**Species Data:**
No seed produced, some without flowering stems. Scattered and very abundant, growing in clumps.

**Info Source:** Williams, site sheet with S. Cochrane and B. Mason.

**Ownership/Management:** USFS/TOIYABE, PRIVATE
FRASERA PAHUTENSIS  
PAHUTE GREEN-GENTIAN

PROTECTION STATUS
FEDERAL: C2  NRS: NONE  NNNPS: W

FIRST OBSERVED: 1970  ELEVATION: 7200  COUNTY: NVNYEX
LAST OBSERVED: 1978-06-20  PRECISION: SC
TOWNSHIP/RANGE: 008N044E  QUADNAME: MANHATTAN
SECTION: 23  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
TOIYBE NF, TOQUIMA RANGE, E MANHATTAN WASH.

GENERAL SITE DESCRIPTION:
IN PINYON-JUNIPER COMMUNITY.

SPECIES DATA:
INFO SOURCE: GOODRICH, STATUS REPORT. 1979 USFWS.

OWNERSHIP/MGMT.: USFS/TOIYABE, PRIVATE

FRASERA PAHUTENSIS  
PAHUTE GREEN-GENTIAN

FIRST OBSERVED: 1970  ELEVATION: 7200  COUNTY: NVNYEX
LAST OBSERVED: 1979-07-23  PRECISION: M
TOWNSHIP/RANGE: 009N045E  QUADNAME: JEFFERSON
SECTION: 07  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
SILVER CREEK, TOQUIMA RANGE

GENERAL SITE DESCRIPTION:
IN PINYON-JUNIPER COMMUNITY WITH ERIGERON, PENSTEMON, STIPA, SITANION,
CHRYSOTHAMNUS VISCIDIFLORUS, ERIOGONUM CAESPITOSUM, POA SANDBERGII. GRAVELLY TO
SILT LOAM SOILS IN DRAINAGES.

SPECIES DATA:
COMMON.

INFO SOURCE: SMITH. USFS SITE SHEETS.

OWNERSHIP/MGMT.: USFS/TOIYABE
FRASERA PAHUTENSIS  
PAHUTE GREEN-GENTIAN

PROTECTION STATUS
FEDERAL: C2  NRS: NONE  
NNNPS: W

FIRST OBSERVED: 1970  
ELEVATION: 7400  
COUNTY: NVNYEX

LAST OBSERVED: 1979-07-21  
PRECISION: G

TOWNSHIP/RANGE: 008N048E  
QUADNAME: EAGLE PASS

SECTION: 07  
TOWNSHIP COMMENT: = SECTION 18

DIRECTIONS TO SITE:
1.1 MI S OF WILLOW CREEK GUARD STATION, MONITOR RANGE, TOIYABE NF. LEFT SIDE OF RD.

GENERAL SITE DESCRIPTION:
WITH KOELERIA CRISTATA, PENSTEMON, PURSHIA TRIDENTATA, ASTRAGALUS, CHRYSOTHAMNUS. SE EXPOSURE, GRAVELLY CLAY LOAM.

SPECIES DATA:

INFO SOURCE: SMITH. FIELD SITE SHEETS USFS.

OWNERSHIP/MGMT.: USFS/TOIYABE

FRASERA PAHUTENSIS  
PAHUTE GREEN-GENTIAN

PROTECTION STATUS
FEDERAL: C2  NRS: NONE  
NNNPS: W

FIRST OBSERVED: 1970  
ELEVATION: 7400  
COUNTY: NVNYEX

LAST OBSERVED: 1979-07-21  
PRECISION: SC

TOWNSHIP/RANGE: 009N048E  
QUADNAME: BELMONT WEST

SECTION: 21  
TOWNSHIP COMMENT: R45E

DIRECTIONS TO SITE:
TOIYABE NF, TOQUIMA RANGE

GENERAL SITE DESCRIPTION:
IN PINYON-JUNIPER COMMUNITY WITH CASTILLEJA CHROMOSA, ANTENNARIA MICROPHYLLUS, PHLOX LONGIFOLIA, P. HOODII, ERIOGONUM OVALIFOLIUM, TRIFOLIUM GYMNOCARPUM, KOELERIA CRISTATA.

SPECIES DATA:
APPROX. 50 PLANTS.

INFO SOURCE: SMITH. FIELD SITE SHEET USFS.

OWNERSHIP/MGMT.: USFS/TOIYABE
GENTIANELLA AMARELLA
NORTHERN GENTIAN

PROTECTION STATUS
FEDERAL: NONE
NRS: NONE
NNNPS: NONE

FIRST OBSERVED: 1986  ELEVATION: 5200  COUNTY: NVLAND
LAST OBSERVED: 1986-08-07  PRECISION: M
TOWNSHIP/RANGE: 019N043E  QUADNAME: VIGUS BUTTE
SECTION: 20
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
REESE RIVER VALLEY, 2.5 RD MI E REESE RIVER ON HWY 50, W OF AUSTIN

GENERAL SITE DESCRIPTION:
WITH SPARTINA. GROWING ON CRUSTY SALINE FLATS.

SPECIES DATA:


OWNERSHIP/MGMT.: BLM/BATTLE MTN

GILIA NYENSIS
NYE GILIA

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1978  ELEVATION: 5400  COUNTY: NVNYEX
LAST OBSERVED: 1978-06-26  PRECISION: M
TOWNSHIP/RANGE: 006N051E  QUADNAME: BUCKWHEAT RIM
SECTION: 15
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
CENTRAL NEVADA, 14.2 MI NE OF WARM SPRINGS STATION ON HIGHWAY 6 ACROSS FROM BLUE JAY MAINTENANCE STATION (NDOT).

GENERAL SITE DESCRIPTION:
SANDY SOIL, FAN OF LOW HILLS WITH ATRIPLEX.

SPECIES DATA:
SCARCE.


OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
**GILIA RIPLEYI**  
**RIPLEY'S GILIA**

**PROTECTION STATUS**  
**FEDERAL:** 3C  
**NRS:** NONE  
**NNNPS:** D

First Observed: 1969  
Elevation: 4000  
County: NVNYEX  
Last Observed: 1969-04-19  
Precision: S  
Township/Range: 013S048E  
Section: 18  
Quadname: CARRARA CANYON  
TOWNSHIP COMMENT:

Directions to Site:  
SW BARE MOUNTAIN, TUNGSTEN CANYON.

General Site Description:  
In wash and ledges, with LARREA, FRANSEIRA, ATRIPLEX.

Species Data:  
Local.

*Info Source:* RENO 25093. BEATLEY 7963.

Ownership/Mgmt.: BLM/BATTLE MOUNTAIN

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**GILIA RIPLEYI**  
**RIPLEY'S GILIA**

**PROTECTION STATUS**  
**FEDERAL:** 3C  
**NRS:** NONE  
**NNNPS:** D

First Observed: 1969  
Elevation: 4300  
County: NVNYEX  
Last Observed: 1970-06-11  
Precision: M  
Township/Range: 013S047E  
Section: 02  
Quadname: CARRARA CANYON  
TOWNSHIP COMMENT:

Directions to Site:  
BARE MOUNTAIN, IN CANYON EAST OF GOLD ACE MINE, 3 MI N OF US95. 1969: ALONG CANYON BASE OF WEST FACE IN GOLD ACE MINE AREA.

General Site Description:  
WITH BUDDLEJA, IN BROKEN LIMESTONE TALUS. 1969: ATRIPLEX CONFERTIFOLIA.

Species Data:  
Common. 1969: LOCAL.

*Info Source:* RENO 27146, 24819. REVEAL 2268. BEATLEY 9738.

Ownership/Mgmt.: BLM/BATTLE MOUNTAIN
HAPLOPAPPUS GRANITICUS
GRANITE HAPLOPAPPUS

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNPNS: W

FIRST OBSERVED: 1983  ELEVATION: 7800  COUNTY: NVESME
LAST OBSERVED: 1983-09-12  PRECISION: SC

TOWNSHIP/RANGE: 002N040E  QUADNAME: LONE MOUNTAIN
SECTION: 15  TOWNSHIP COMMENT: UNSURVEYED SECTION

DIRECTIONS TO SITE:
LONE MOUNTAIN, SPRINGDALE CANYON ON NE SIDE OF THE MOUNTAIN, CA. 22.4KM (14MI) W OF TONOPAH

GENERAL SITE DESCRIPTION:
ON BARREN OUTCROPS OF GRANITE.

SPECIES DATA:

INFO SOURCE: TIEHM, ARNOLD.
OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

HAZARDIA BRICKELLIIOIDES
BRICKELL'S HAZARDIA

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNPNS: D

FIRST OBSERVED: 1969  ELEVATION: 4000  COUNTY: NVNYEX
LAST OBSERVED: 1969-10-02  PRECISION: M

TOWNSHIP/RANGE: 013S047E  QUADNAME: CARRARA CANYON
SECTION: 03  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
BARE MOUNTAIN AT BASE OF WEST FACE, IN GOLD MINE AREA.

GENERAL SITE DESCRIPTION:
ATRIPLEX CONFERTIFOLIA.

SPECIES DATA:
LOCAL.

INFO SOURCE: BEATLEY 9731. RENO 24844.
OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
LATHYRUS HITCHCOCKIANUS  
BULLFROG HILLS SWEETPEA

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<th>PROTECTION STATUS</th>
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<tr>
<td>NRS: NONE</td>
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<td>NNNPS: W</td>
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</tbody>
</table>

FIRST OBSERVED: 1891  
LAST OBSERVED: 1971-04-24  
ELEVATION: 4500  
COUNTY: NVNYEX  
PRECISION: SC

TOWNSHIP/RANGE: 012S046E  
SECTION: 06  
QUADNAME: BEATTY  
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:  
CENTRAL BULLFROG HILLS, IN WASH 0.5 MI UP RD TOWARD SAWTOOTH MTN. FROM BULLFROG - GOLD BAR RD. SW OF SAWTOOTH MTN, NW OF BEATTY

GENERAL SITE DESCRIPTION:  
IN ARTEMISIA-GRAYIA, LYCIUM VEGETATION. IN WASH, AT BASE OF VOLCANIC POINT. CANYON BOTTOMS.

SPECIES DATA:  
COMMON. COMMON IN 1971.

DEDECKER, M. 1982. STATUS REPORT. RENO 31522, 42879.
OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

LATHYRUS HITCHCOCKIANUS  
BULLFROG HILLS SWEETPEA

<table>
<thead>
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<th>PROTECTION STATUS</th>
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<tr>
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<tr>
<td>NRS: NONE</td>
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<td>NNNPS: W</td>
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FIRST OBSERVED: 1891  
LAST OBSERVED: 1982-05-06  
ELEVATION: 4100  
COUNTY: NVNYEX  
PRECISION: SC

TOWNSHIP/RANGE: 011S046E  
SECTION: 34  
QUADNAME: BEATTY  
TOWNSHIP COMMENT: N2SE4

DIRECTIONS TO SITE:  
CA.2 MI E OF SAWTOOTH MTN., BULLFROG HILLS, AMARAGOSA DRAINAGE

GENERAL SITE DESCRIPTION:  
IN ARTEMISIA TRIDENTATA, PURSHIA GLANDULOSA.

SPECIES DATA:

INFO SOURCE: DEDECKER, M. 1982. STATUS REPORT.
OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
### Lathyrus Hitchcockianus

**Bullfrog Hills Sweetpea**

<table>
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<td>Township/RANGE:</td>
<td>012S046E</td>
<td>Quadname: Beatty</td>
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<td>Section:</td>
<td>29</td>
<td>Township Comment:</td>
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**Directions to Site:**

Bullfrog Hills, N of Gold Bar Mining Area, N of Sawtooth Mtn

**General Site Description:**

In Artemisia Tridentata. Common along wash and upper bajadas.

**Species Data:**

Info Source: Beatley 12188 and Reveal. Reno Herbarium #31521.

Ownership/Mgmt.: BLM/Battle Mtn

---

### Linanthus Arenicola

**Sand Linanthus**

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<tr>
<td>First Observed:</td>
<td>1988</td>
<td>Elevation: 4600</td>
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<td>Last Observed:</td>
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<td>Township/RANGE:</td>
<td>003N036E</td>
<td>Quadname: Rock Hill</td>
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<td>Section:</td>
<td>02</td>
<td>Township Comment:</td>
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**Directions to Site:**

0.4 Rd Mi E of Hwy 50 on dirt rd opposite the Columbus Salt Marsh Road, NE of Rock Hill.

**General Site Description:**

With Sarcobatus on sandy flats on the valley floor.

**Species Data:**

Info Source: Tiehm, A. 11615.

Ownership/Mgmt.: BLM/Battle Mtn
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<tr>
<th>LOMATIUM RAVENII</th>
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<tr>
<td>RAVEN'S LOMATIUM</td>
<td>FEDERAL: 3C</td>
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| FIRST OBSERVED: 1988 | ELEVATION: 6800 | COUNTY: NV | NEURE |
| LAST OBSERVED: 1988-06-08 | PRECISION: SC | |
| TOWNSHIP/RANGE: 022N050E | QUADNAME: ROBERTS CREEK MTN |
| SECTION: 14 | TOWNSHIP COMMENT: SE4 |

DIRECTIONS TO SITE:
ROBERTS MTN, S END OF ROBERTS CREEK RD, JUST N OF ROBERTS CREEK RANCH ON
ATLAS MINE HOLDINGS

GENERAL SITE DESCRIPTION:
PINYON-JUNIPER-SAGEBRUSH TYPE. PENSTEMON SPECIOSUS, ASTRAGALUS IODANTHUS,
IVESIA SETOSA. UP TO 7800 FT, LIMESTONE OUTCROPS.

SPECIES DATA:

INFO SOURCE: KNIGHT, T. 1988. FIELD SITE SURVEY FORM.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

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<tr>
<th>LOMATIUM RAVENII</th>
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| FIRST OBSERVED: 1987-06-02 | ELEVATION: 6800 | COUNTY: NVLAND |
| LAST OBSERVED: 1987-06-02 | PRECISION: S    |               |
| TOWNSHIP/RANGE: 028N045E | QUADNAME: GOAT PEAK |
| SECTION: 15               | TOWNSHIP COMMENT: |

DIRECTIONS TO SITE:
SHOSHONE RANGE, MILL CREEK RD, CA. 0.33 MI S OF MILL CREEK SUMMIT.

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
LOMATIUM RAVENII  
RAVEN'S LOMATIUM  

PROTECTION STATUS  
FEDERAL: 3C  
NRS: NONE  
NNNPS: D

FIRST OBSERVED:  
LAST OBSERVED: 1986-05-24  
ELEVATION: 5800  
COUNTY: NVLAND  
PRECISION: S

TOWNSHIP/RANGE: 030N045E  
SECTION: 23  
QUADNAME: CRIPPEN CANYON  
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:  
SHOSHONE MOUNTAINS, LEWIS CANYON AT N END OF THE RANGE, 4 RD MI S OF MARVEL RANCH.

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

MENZELIA CANDELARIA  
CANDELARIA BLAZING-STAR  

PROTECTION STATUS  
FEDERAL:  
NRS: NONE  
NNNPS: NONE

FIRST OBSERVED: 1882  
LAST OBSERVED:  
ELEVATION: 4600  
COUNTY: NVESME  
PRECISION: G

TOWNSHIP/RANGE: 002N035E  
SECTION: 23  
QUADNAME: COLUMBUS  
TOWNSHIP COMMENT: UNSURVEYED

DIRECTIONS TO SITE:  
BETWEEN MONTGOMERY PASS AND COLUMBUS SALT MARSH

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN
**MENTZELIA CANDELARIA**  
**CANDELARIA BLAZING-STAR**

<table>
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Township/Range: 002N038E  
Section: 06  
Quadname: Blair Junction  
Township Comment:  

Directions to Site:  
Monte Cristo Range, 2.5 Air Mi N of Blair Junction

**General Site Description:**  
Barren Clay Hillsides.

**Species Data:**


Ownership/Mgmt.: BLM/Battle Mountain

---

**MENTZELIA CANDELARIA**  
**CANDELARIA BLAZING-STAR**

<table>
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<td>Last Observed:</td>
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Township/Range: 001N039E  
Section: 31  
Quadname: North of Silver Peak  
Township Comment: Unsurveyed

Directions to Site:  
8 Mi SW on HWY 47 from Blair Junction

**General Site Description:**

**Species Data:**


Ownership/Mgmt.: BLM/Battle Mountain
### MENTZELIA CANDELARIA

**CANDELARIA BLAZING-STAR**

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<th>Protection Status</th>
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| First Observed:   | 1882     |
| Last Observed:    | 1981-05-05|
| Elevation:        | 4900     |
| County:           | NVESME   |
| Precision:        | SC       |
| Township/Range:   | 001S041E |
| Section:          | 05       |
| Quadname:         | Paymaster Canyon |
| Township Comment: |          |

**Directions to Site:**
Montezuma Valley, 1 Rd Mi N of Playa on Valley Floor, 11.5 Air Mi NW of Goldfield

**General Site Description:**
With Atriplex and Hyemenoclea. In Gravel Wash.

**Species Data:**


**Ownership/Mgmt.:** BLM/Battle Mountain

---

### MENTZELIA CANDELARIA

**CANDELARIA BLAZING-STAR**

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<th>Protection Status</th>
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| First Observed:   | 1882     |
| Last Observed:    | 1978-07-31|
| Elevation:        | 6700     |
| County:           | NVNYEX   |
| Precision:        | SC       |
| Township/Range:   | 008N045E |
| Section:          | 35       |
| Quadname:         | Big Ten Peak West |
| Township Comment: |          |

**Directions to Site:**
Ralston Valley, Hunts Canyon

**General Site Description:**
Gravelly Slope.

**Species Data:**


**Ownership/Mgmt.:** BLM/Battle MTN
**MENTZELIA CANDELARIA**  
**CANDELARIA BLAZING-STAR**

**PROTECTION STATUS**
- FEDERAL: NRS: NONE
- NNNPS: NONE

| FIRST OBSERVED: 1882 | ELEVATION: 6225 | COUNTY: NVNYEX |
| LAST OBSERVED: 1979-06-27 | PRECISION: SC |
| TOWNSHIP/RANGE: 006N048E | QUADNAME: MC INTYRE SUMMIT |
| SECTION: 02 | TOWNSHIP COMMENT: UNSURVEYED |

**DIRECTIONS TO SITE:**
- LOW DIVIDE BETWEEN E AND W STONE CABIN VALLEYS. 42 MI AND 57 DEGREES FROM TONOPAH, NEAR 1971 BENCH MARK OF 6225 FT

**GENERAL SITE DESCRIPTION:**
- SMALL OUTCROPS OF WHITISH AND GRAYISH TUFFACEOUS SEDIMENTARY MATERIAL.

**SPECIES DATA:**


OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

**MENTZELIA CANDELARIA**  
**CANDELARIA BLAZING-STAR**

**PROTECTION STATUS**
- FEDERAL: NRS: NONE
- NNNPS: NONE

| FIRST OBSERVED: 1882 | ELEVATION: 4500 | COUNTY: NVNYEX |
| LAST OBSERVED: | PRECISION: G |
| TOWNSHIP/RANGE: 004N041E | QUADNAME: CRESCENT DUNES |
| SECTION: 09 | TOWNSHIP COMMENT: |

**DIRECTIONS TO SITE:**
- 9 MI NW OF TONOPAH

**GENERAL SITE DESCRIPTION:**

**SPECIES DATA:**


OWNERSHIP/MGMT.: BLM/BATTLE MTN
| MENTZELIA CANDELARIA  
CANDELARIA BLAZING-STAR | PROTECTION STATUS  
FEDERAL: NRS: NONE  
NNNPS: NONE |
|-------------------------|-----------------------|
| FIRST OBSERVED: 1882  
LAST OBSERVED: 1984-07-12  
ELEVATION: 6680  
COUNTY: NVNYEX  
PRECISION: SC  
QUADNAME: DIANAS PUNCH BOWL  
TOWNSHIP/RANGE: 014N047E  
SECTION: 22  
TOWNSHIP COMMENT:  
DIRECTIONS TO SITE:  
MONITOR VALLEY, DIANA'S PUNCH BOWL S OF POTTS |
| GENERAL SITE DESCRIPTION:  
GROWING ON TRAVERTINE DEPOSIT OF THE "PUNCH BOWL".  
SPECIES DATA:  
INFO SOURCE: TIEHM AND ERTTER. 1984. COLLECTION #8942 OF TIEHM.  
OWNERSHIP/MGMT.: PRIVATE |

| MENTZELIA CANDELARIA  
CANDELARIA BLAZING-STAR | PROTECTION STATUS  
FEDERAL: NRS: NONE  
NNNPS: NONE |
|-------------------------|-----------------------|
| FIRST OBSERVED: 1985  
LAST OBSERVED: 1985-05-04  
ELEVATION: 5000  
COUNTY: NVESME  
PRECISION: M  
QUADNAME: MOUNT JACKSON  
TOWNSHIP/RANGE: 005S041E  
SECTION: 32  
TOWNSHIP COMMENT: ACTUALLY R41.5E |
| DIRECTIONS TO SITE:  
E SIDE OF MT JACKSON, JACKSON WASH N OF HWY 3 TO LIDA |
| GENERAL SITE DESCRIPTION:  
GROWING ON LIGHT COLORED ASH OUTCROPS.  
SPECIES DATA:  
LOCALLY COMMON.  
INFO SOURCE: TIEHM, A. COLLECTION #9373 HOUSED AT NSM.  
OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN |
MENTZELIA CANDELARIA
CANDELARIA BLAZING-STAR

PROTECTION STATUS
FEDERAL: N
NRS: NONE
NNNPS: NONE

FIRST OBSERVED: 1987
LAST OBSERVED: 1987-02-26
ELEVATION: 6500
COUNTY: NVESME
PRECISION: M

TOWNSHIP/RANGE: 001S037E
SECTION: 22
QUADNAME: RHYOLITE RIDGE
TOWNSHIP COMMENT: UNSURVEYED

DIRECTIONS TO SITE:
SILVER PEAK RANGE, 1.3 RD MI W OF CAVE SPRINGS ON THE COYOTE RD FROM SILVER PEAK TO FISH LAKE VALLEY, THEN 1 RD MI NW ALONG A WASH.

GENERAL SITE DESCRIPTION:
GROWING ON STEEP LIGHT BROWN COLORED ASH DEPOSITS N OF THE WASH.

SPECIES DATA:
INFO SOURCE: TIEHM, A. COLLECTION #11356 HOUSED AT NSM.

OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

---------------

MENTZELIA CANDELARIA
CANDELARIA BLAZING-STAR

PROTECTION STATUS
FEDERAL: N
NRS: NONE
NNNPS: NONE

FIRST OBSERVED: 1988
LAST OBSERVED: 1988-05-24
ELEVATION: 5600
COUNTY: NVESME
PRECISION: S

TOWNSHIP/RANGE: 001N037E
SECTION: 30
QUADNAME: RHYOLITE RIDGE NW
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
SILVER PEAK RANGE, 1.9 RD MI W OF EMIGRANT PASS ON THE RD FROM FISH LAKE VALLEY TO BIG SMOKY VALLEY.

GENERAL SITE DESCRIPTION:
ON BARREN CLAY HILLS.

SPECIES DATA:
ONLY A FEW FOUND.

INFO SOURCE: NSM, TIEHM, A. 11684 AND WILLIAMS.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
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<th><strong>OPUNTIA PULCHELLA</strong></th>
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**FIRST OBSERVED:** 1978  
**ELEVATION:** 6000  
**COUNTY:** NVNYEX  
**LAST OBSERVED:** 1978-06-05  
**PRECISION:** S  
**TOWNSHIP/RANGE:** 014N045E  
**QUADNAME:** WILDCAT PEAK  
**SECTION:** 07  
**TOWNSHIP COMMENT:** & SECTION 8

**DIRECTIONS TO SITE:**  
SMOKY VALLEY, 25 MI N OF ROUND MTN.

**GENERAL SITE DESCRIPTION:**  
DESSERT SHRUB COMMUNITY.

**SPECIES DATA:**  
INFO SOURCE: GOODRICH 11272. AUSTIN RANGER DISTRICT HERBARIUM.  
OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

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**FIRST OBSERVED:** 1978  
**ELEVATION:** 3920  
**COUNTY:** NVPERS  
**LAST OBSERVED:** 1978-05-23  
**PRECISION:** SC  
**TOWNSHIP/RANGE:** 025N031E  
**QUADNAME:** WILDHORSE PASS  
**SECTION:** 22  
**TOWNSHIP COMMENT:** NW4

**DIRECTIONS TO SITE:**  
N OF W HUMBOLDT RANGE, 11 AIR MI S OF LOVELOCK.

**GENERAL SITE DESCRIPTION:**  
WITH TETRADYMIA TETRAMERES, ATRIPLEX CANESCENS, GILIA MICROMERIA, ASTRAGALUS GEYERI. STABLE SAND DUNES.

**SPECIES DATA:**  
30 INDIVIDUALS OBSERVED.

**INFO SOURCE:** TIEHM, A. 1979. FIELD SITE SHEET.

**OWNERSHIP/MGMT.:** BLM/BATTLE MTN
ORYCTES NEVADENSIS
NEVADA ORYCTES

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNNPS: W

FIRST OBSERVED: 1871  ELEVATION: 4000  COUNTY: NVCHUR
LAST OBSERVED: 1975-05-18  PRECISION: G
TOWNSHIP/RANGE: 019N029E  QUADNAME: SODA LAKE EAST
SECTION: 07  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
6 MI N OF FALLON, ON INDIAN LAKES RD.

GENERAL SITE DESCRIPTION:

SPECIES DATA:

INFO SOURCE: TIEHM, MOZINGO AND WILLIAMS. 1975. HERBARIUM SHEET #33518 RENO.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

ORYCTES NEVADENSIS
NEVADA ORYCTES

PROTECTION STATUS
FEDERAL: C2  NRS: NONE
NNNPS: W

FIRST OBSERVED: 1871  ELEVATION: 4400  COUNTY: NVCHUR
LAST OBSERVED: 1980-05  PRECISION: SC
TOWNSHIP/RANGE: 021N029E  QUADNAME: UPSAL HOGBACK
SECTION: 08  TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
HOT SPRINGS RANGE, DESERT PEAK

GENERAL SITE DESCRIPTION:
GEOTHERMAL AREA. WITH SARCOBATUS, PSOROTHAMNUS POLYDENIUS, CERATOIDES, ATRIPLEX, TETRADYMIA, AND PENSTEMON. DEEP SANDY SOILS.

SPECIES DATA:

INFO SOURCE: YODER-WILLIAMS, M. 1980. FIELD SITE SHEET.

OWNERSHIP/MGMT.: BLM/BATTLE MTN, PRIVATE
PHACELIA GLABERRIMA
SOUTHWESTERN PHACELIA

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1986
LAST OBSERVED: 1986-05-18
ELEVATION: 5500
COUNTY: NVCHUR
PRECISION: SC

TOWNSHIP/RANGE: 016N036E
SECTION: 11
QUADNAME: EASTGATE
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
N SIDE OF BUFFALO MTN, 4 RD MI E OF HWY 50 ON HWY 2 THEN 2.1 RD MI S ON A DIRT RD.

GENERAL SITE DESCRIPTION:
BROWN COLORED CLAY HILLS.

SPECIES DATA:
LOCALLY COMMON.


OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

PHACELIA GLABERRIMA
SOUTHWESTERN PHACELIA

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1868
LAST OBSERVED: 1949-06-08
ELEVATION: 5500
COUNTY: NVLAND
PRECISION: G

TOWNSHIP/RANGE: 024N043E
SECTION: 21
QUADNAME: MANHATTAN MTN NW
TOWNSHIP COMMENT: UNSURVEYED

DIRECTIONS TO SITE:
REESE RIVER CANYON, 37 MI N OF AUSTIN

GENERAL SITE DESCRIPTION:
LIMESTONE TALUS.

SPECIES DATA:

INFO SOURCE: LINCOLN CONSTANCE 3297. ANON. STATUS REPORT IN SPECIES FILES.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
PHACELIA GLABERRIMA
SOUTHWESTERN PHACELIA

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1868  ELEVATION: 5400  COUNTY: NVLAND
LAST OBSERVED: 1978-06-03  PRECISION: MO

TOWNHIP/RANGE: 023N043E  QUADNAME: JOE EASON MTN
SECTION: 02  TOWNHSHIP COMMENT: SECTS 3,11

DIRECTIONS TO SITE:
28.5 MI N OF HWY 50 ON HWY 8A, W OF ROAD

GENERAL SITE DESCRIPTION:
WHITE CRUMBLING CLIFFS.

SPECIES DATA:
IN GREAT ABUNDANCE.


OWNERSHIP/MGMT.: BLM/BATTLE MTN

---

PHACELIA GLABERRIMA
SOUTHWESTERN PHACELIA

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1868  ELEVATION: 5000  COUNTY: NVLAND
LAST OBSERVED: 1979-06-18  PRECISION: G

TOWNHIP/RANGE: 026N040E  QUADNAME: MT MOSES
SECTION: 34  TOWNHSHIP COMMENT:

DIRECTIONS TO SITE:
AUGUSTA MTNS, ANTELOPE VALLEY HOME STATION WASH, VERY NEAR LANDER-PERSHING LINE, CA. 10 MAP INCHES, 47 MI AT 218 DEGREES FROM BATTLE MTN

GENERAL SITE DESCRIPTION:
WITH ATRIPLEX CANESCENTS AND OTHER DESERT SHRUBS. ON STEEP, ERODED CLAY SLOPE OF TUFFACEOUS SEDIMENTARY MATERIAL.

SPECIES DATA:
SCATTERED.

INFO SOURCE: GOODRICH, SHEREL. 1979. ADDENDA NOTES IN SP. FILE.

OWNERSHIP/MGMT.: BLM/BATTLE MTN
PHACELIA GLABERRIMA
SOUTHWESTERN PHACELIA

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1860  ELEVATION: 5300  COUNTY: NVLAND
LAST OBSERVED: 1979-06-09  PRECISION: G

TOWNSHIP/RANGE: 023N043E  QUADNAME: MANHATTAN MTN NE
SECTION: 02  TOWNSHIP COMMENT: UNSURVEYED

DIRECTIONS TO SITE:
REESE RIVER VALLEY, 30 MI AT 355 DEGREES FROM AUSTIN

GENERAL SITE DESCRIPTION:
BARREN, WHITE HILLS OF TUFFACEOUS SEDIMENTARY SOILS ERODING TO BADLANDS.

SPECIES DATA:

INFO SOURCE: GOODRICH, SHEREL. 1979. ADDENDA NOTES IN SP. FILE.

OWNERSHIP/ MGMT.: BLM/BATTLE MTN

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PHACELIA GLABERRIMA
SOUTHWESTERN PHACELIA

PROTECTION STATUS
FEDERAL: 3C  NRS: NONE
NNNPS: D

FIRST OBSERVED: 1978  ELEVATION: 5100  COUNTY: NVLAND
LAST OBSERVED: 1978-06-03  PRECISION: SC

TOWNSHIP/RANGE: 024N043E  QUADNAME: MANHATTAN MTN NW
SECTION: 08  TOWNSHIP COMMENT: SECTS. 5,9,16,35

DIRECTIONS TO SITE:
35.8 MI N OF HWY 50 ON HWY 8A, NEAR TOP OF ROUND-TOP STEEP HILL E OF ROAD (S DIKE RUNS ALONG TOP OF HILL) REESE RIVER VALLEY.

GENERAL SITE DESCRIPTION:
MOIST CLAY WITH WALNUT Sized TUFF ROCK PAVING. SW FACING. PH 7.8 TO 8.2. ATRIPLEX CONFERTIFOLIA, SAGEBRUSH, CLEOMELLA, BROMUS, PHACELIA GYMNOCLADA.

SPECIES DATA:
THOUSANDS IN 0.25 ACRES. PLANTS IN FLOWER BUT PAST PEAK.


OWNERSHIP/ MGMT.: BLM/BATTLE MOUNTAIN
**SCLEROCACTUS BLAINEI**  
**BLAINE'S PINCUSHION**

**PROTECTION STATUS**  
FEDERAL: C2  
NRS: CY  
NNNPS: W

**FIRST OBSERVED:** 1980  
**LAST OBSERVED:** 1980-06-04  
**ELEVATION:** 5200  
**COUNTY:** NVNYEX  
**PRECISION:** SC  
**TOWNSHIP/RANGE:** 004N051E  
**SECTION:** 13  
**QUADNAME:** TWIN SPRINGS SLOUGH  
**TOWNSHIP COMMENT:** SW4

**DIRECTIONS TO SITE:**
10 MI E OF WARM SPRINGS ON HWY 25-375

**GENERAL SITE DESCRIPTION:**
SARCOBATUS-HILARIA-ATRIPLEX COMMUNITY.

**SPECIES DATA:**
OWNERSHIP/MGMT.: BLM/BATTLE, PRIVATE/TWIN SPRGS

---

**SCLEROCACTUS BLAINEI**  
**BLAINE'S PINCUSHION**

**PROTECTION STATUS**  
FEDERAL: C2  
NRS: CY  
NNNPS: W

**FIRST OBSERVED:** 1980  
**LAST OBSERVED:** 1980-06-04  
**ELEVATION:** 5100  
**COUNTY:** NVNYEX  
**PRECISION:** G  
**TOWNSHIP/RANGE:** 004N051E  
**SECTION:** 11  
**QUADNAME:** TWIN SPRINGS SLOUGH

**DIRECTIONS TO SITE:**
BETWEEN PANCAKE AND REVEILLE RANGE, HOT CREEK VALLEY

**GENERAL SITE DESCRIPTION:**
IN LIMESTONE AND IGNEOUS GRAVELS WITH A CLAY MATRIX, NOT NEAR SPRINGS IN HOT CREEK VALLEY.

**SPECIES DATA:**
OWNERSHIP/MGMT.: BLM/BATTLE, PRIVATE/TWIN SPRGS
### SCLEROCACTUS POLYANCISTRUS

**MOHAVE FISHHOOK CACTUS**

<table>
<thead>
<tr>
<th>PROTECTION STATUS</th>
<th>FEDERAL: 3C</th>
<th>NRS: CY</th>
<th>NNNPS: D</th>
</tr>
</thead>
</table>

**First Observed:** 1979  
**Elevation:** 5400  
**County:** NVESME  
**Last Observed:** 1979-05-18  
**Precision:** S  
**Township/Range:** 007S041E  
**Quad Name:** GOLD POINT  
**Section:** 02  
**Site Description:**  
**Species Data:**  
**Info Source:** UNLV Herbarium #13368  
**Ownership/Mgmt.:** BLM/BATTLE MOUNTAIN

---

### SCLEROCACTUS POLYANCISTRUS

**MOHAVE FISHHOOK CACTUS**

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<th>NNNPS: D</th>
</tr>
</thead>
</table>

**First Observed:** 1988  
**Elevation:** 3400  
**County:** NVNYEX  
**Last Observed:** 1988-03-30  
**Precision:** SC  
**Township/Range:** 012S047E  
**Quad Name:** BEATTY MTN  
**Section:** 08  
**Site Description:**  
**Species Data:**  
**Info Source:** KNIGHT, T. 1988. FIELD SITE FORM IN SPECIES FILE  
**Ownership/Mgmt.:** BLM/BATTLE MOUNTAIN

---

### SCLEROCACTUS POLYANCISTRUS

**MOHAVE FISHHOOK CACTUS**

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</table>

**First Observed:** 1979  
**Elevation:** 5400  
**County:** NVESME  
**Last Observed:** 1979-05-18  
**Precision:** S  
**Township/Range:** 007S041E  
**Quad Name:** GOLD POINT  
**Section:** 02  
**Site Description:**  
**Species Data:**  
**Info Source:** UNLV Herbarium #13368  
**Ownership/Mgmt.:** BLM/BATTLE MOUNTAIN
**Silene Nachlingerae**

**Jan's Catchfly**

**Protection Status**

Federal: C2  
NRS: NONE  
NNNPS: W

First Observed: 1984  
Last Observed: 1984-08-05  
Elevation: 10200  
Precision: SC  
County: NVNYEX

Township/Range: 006N059E  
Section: U  
Quadname: Forest Home  
Township Comment: Unsurveyed

Directions to Site:

Grant Range, Ridge between Timber Mountain and Troy Peak

General Site Description:

With Pinus on E-facing Limestone slopes.

Species Data:


Ownership/MGMT.: USFS/HUMBOLDT, GRANT RANGE W.A.

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**Silene Scaposa Var Lobata**

**Lobed Catchfly**

**Protection Status**

Federal: 3C  
NRS: NONE  
NNNPS: D

First Observed: 1985  
Last Observed: 1985-06-17  
Elevation: 7400  
Precision: S  
County: NVLAND

Township/Range: 029N046E  
Section: 07  
Quadname: MT Lewis  
Township Comment: 

Directions to Site:

Shoshone Mountains, E side of Mt. Lewis CA. 1 rd mi W of Maysville Summit.

General Site Description:

Species Data:


Ownership/MGMT.: BLM/BATTLE MOUNTAIN
SILENE SCAPOSA VAR LOBATA
LOBED CATCHFLY

<table>
<thead>
<tr>
<th>Protection Status</th>
<th>Federal: 3C</th>
<th>NRS: None</th>
<th>NNNPS: D</th>
</tr>
</thead>
</table>

FIRST OBSERVED: 1970-07-16
LAST OBSERVED: 1970-07-16
ELEVATION: 9500
COUNTY: NVEURE
PRECISION: S

TOWNSHIP/RANGE: 020N055E
SECTION: 19
QUADNAME: EUREKA
TOWNSHIP COMMENT:

DIRECTIONS TO SITE:
DIAMOND MOUNTAINS, COTTONWOOD CREEK DRAINAGE.

GENERAL SITE DESCRIPTION:

SPECIES DATA:


OWNERSHIP/MGMT.: BLM/BATTLE MOUNTAIN

SMELOWSKIA HOLMGRENNII
NYE COUNTY SMELOWSKIA

<table>
<thead>
<tr>
<th>Protection Status</th>
<th>Federal: 3C</th>
<th>NRS: None</th>
<th>NNNPS: D</th>
</tr>
</thead>
</table>

FIRST OBSERVED: 1979
LAST OBSERVED: 1979-07-14
ELEVATION: 6500
COUNTY: NVLAND
PRECISION: S

TOWNSHIP/RANGE: 016N043E
SECTION: 36
QUADNAME: KINGSTON
TOWNSHIP COMMENT: & SECTION 31

DIRECTIONS TO SITE:
TOIYABE RANGE, KINGSTON CREEK, AT BOUNDARY OF NATIONAL FOREST JUST SOUTH OF CREEK, 19.5 MI 188 DEGREES

GENERAL SITE DESCRIPTION:
PINYON-JUNIPER ZONE. IN CRACKS OF LEDGES OF SANDSTONE CEMENTED.

SPECIES DATA:
SUBSTANTIAL NUMBERS.

INFO SOURCE: 13351, 13449 BRY. GOODRICH, S. 1981. FLORISTIC STUDY OF CENTRAL NV.
OWNERSHIP/MGMT.: USFS/TOIYABE,BLM/BATTLE MTN
SPHAERALCEA CAESPITOSA
JONES' GLOBE-MALLOW

FIRST OBSERVED: 1978          ELEVATION: 5300          COUNTY: NVNYEX
LAST OBSERVED: 1989-05-30     PRECISION: SC
TOWNSHIP/RANGE: 008N058E     QUADNAME: LOCKES
SECTION: 30                    TOWNSHIP COMMENT: & 15,16,20,21,29

DIRECTIONS TO SITE:
NEAR HWY 6, CA. 3 MI S OF LOCKES RANCH. NDOT BORROW PITS.

GENERAL SITE DESCRIPTION:
WITH TETRADYMIA, ENCELIOPSIS, EPHEDRA. ON LEVEL LAND AND SLIGHT DRAWS, DRY GRAVELLY SOILS. ALLUVIAL FANS.

SPECIES DATA:
ENCELIOPSIS. SCATTERED INDIVIDUALS, SPARSELY DISTRIBUTED.

OWNERSHIP/MGMT.: BLM/BATTLE MTN

TRIFOLIUM ANDERSONII SSP BEATLEYAE
BEATLEY'S CLOVER

FIRST OBSERVED: 1987          ELEVATION: 6800          COUNTY: NVNYEX
LAST OBSERVED: 1987-06-02     PRECISION: S
TOWNSHIP/RANGE: 006N050E     QUADNAME: TYBO
SECTION: U                    TOWNSHIP COMMENT: UNSURVEYED

DIRECTIONS TO SITE:
HOT CREEK RANGE, TYBO CANYON, 1.2 RD MI W OF THE SITE OF TYBO, JUST W OF TYBO SPRING

GENERAL SITE DESCRIPTION:
WITH PINYON-JUNIPER. ON GULLY HILLS.

SPECIES DATA:
FORMING EXTENSIVE COLONIES.

INFO SOURCE: TIEHM, A. COLLECTION #11140 HOUSED AT NSM.
OWNERSHIP/MGMT.: BLM/BATTLE MTN
MONOCOTS
FIMBRISTYLIS SPADICEA
HOT SPRINGS FIMBRISTYLIS

PROTECTION STATUS
FEDERAL: 3B  NRS: NONE
NNNPS: NONE

FIRST OBSERVED: 1978  ELEVATION: 5600  COUNTY: NVNYEX
LAST OBSERVED: 1978-07-24  PRECISION: S

TOWNSHIP/RANGE: 011N043E  QUADNAME: CARVERS
SECTION: 07  TOWNSHIP COMMENT: SE4

DIRECTIONS TO SITE:
BIG SMOKY VALLEY, DARROUGHS HOT SPRING

GENERAL SITE DESCRIPTION:
WITH IVESIA KINGII AND DISTICHILIS STRICTA. SOIL PH 9.2-9.4. ALKALINE SOIL AT FLOWING SPRING.

SPECIES DATA:

INFO SOURCE: GOODRICH 11913. AUSTIN RANGER DISTRICT HERBARIUM.

OWNERSHIP/MGMT.: PRIVATE/DARROUGHS, BLM/BTLE MTN