NEVADA PLANT COMMUNITY OBSERVATION REPORT

Send to:

Nevada Natural Heritage Program
1550 E. College Pkwy, Suite 145
Carson City, NV 89706-7921
http://www.state.nv.us/nvnhp/

Incomplete data are welcome! If possible, include map with outline of community or area observed (e.g. photocopy of USGS quad map)

Location

Site Name: **Area 51** County: **Nye**
Directions to site: **Over Yucca Mountain and through the salt desert scrub**

Latitude: **36.1853** Longitude: **-115.1350** Elevation: **580** to **600 m**
UTM Easting: **667746** UTM Northing: **4005908** UTM Zone: **11**
Township: **-** Range: **-** Section: **-**

Horizontal Precision: ±**15 m** Source: **GPS**
Map name: **-** Datum: **NAD27** Map Scale: **-**
Vertical Precision: ±**15 m** Source: **GPS**

Y/N: Copy of map attached with location highlighted or outlined? **Y**

Land owner/manager: **US Dept. of Such and Such**
Site protective designation (if any): **none**

Contribution Documentation

Date Last Observed (month dd, yyyy): **February 31, 2000**
Your name and agency: **Eric Peterson, Nevada Natural Heritage Program**
Phone number and email: **775-687-4245 peterson@govmail.state.nv.us**
Others who are knowledgeable about the community or site: **Tom, Dick, and Harry**

Community

If plots are being taken, use the the plot data sheet in place of this section

Ad hoc descriptive name (e.g. Artemisia nova / Stipa comata Dwarf-shrubland):
Abies magnifica / Kraschenninnidovia lanata / Xanthoparmelia wyomingensis Woodland
Classification Used (if any): **USNVC**

National Vegetation Classification code (if known): **CEGL999999**
NVC name (if known): **same**

Community Structure: Estimate cover for the most dominant species by percent, or enter "t" for trace, and code D for Dominant, C for co-dominant, S for subdominant, O for other:

Cover	Dominance	Species
42	**D**	**A. magnifica**
27	**S**	**K. lanata**
33	**O**	**X. wyomingensis**
12	**O**	**Texosporium sancti-jacobii**

List other common species: **Picea glauca, Sulcaria badia, Mycocalicium subtile, Boletus edulis, Omphalotus olivascens**

Physiognomy: **2**

1.Forest (closed tree canopy)	3.Shrubland	5.Herbaceous
2.Woodland	4.Dwarf-shrubland/scrub	6.Sparse

General canopy height: **35 m** Emergent height: **-**

Estimate the following by percent, or enter "t" for trace:

Cover	Type
75	Vascular vegetation Y/N: Lichens present as epiphytes? Y Mosses?Y
50	Non-vascular (soil crusts) (of which 87% is lichen, 10 % is moss, 3 % other)
5	Rock outcrop Lichen cover on rocks: 65 Moss cover on rocks: 15
0	Other non-biotic cover

Environment

Topographic Position: **12**

1.sharp ridge or peak | 5.plateau | 9.narrow valley
2.broad ridge, peak, or mesa | 6.lower slope | 10.broad valley
3.upper 1/3 slope | 7.toe slope | 11.flats
4.mid 1/3 slope | 8.alluvial fan | 12.Playa

Topographic Form: **2**

1.convex 2.planar 3.concave

Slope:**slight**

none (0 – 3 degrees) slight (3 – 10 deg.) moderate (10 – 20 deg.)
steep (20 – 45 deg.) dangerously steep (> 45 deg.) OR SPECIFIC DEGREES

Aspect: **SW**

Moisture: **1**

1. Upland xeric 2. Upland mesic 3. Riparian 4. Lake side 5. Wetland / Aquatic

Hydrology: **B**

A.Semipermanently Flooded B.Seasonally Flooded C.Saturated D.Temporarily Flooded
E.Intermittently Flooded F.Permanently Flooded

Soil: **3**

1. Sandy 2. Loamy 3. Clay

Y/N/%: With gravel? **N** With rocks? **Y** With salt-crust? **Y**

Drainage: **4**

1.Rapid 2.Well 3.Moderate 4.Poor 5.Very Poor

Parent Material (e.g. Calcareous):**Ultramafics**

Y/N: Large Rock Outcrops? **Y**

Other important environmental factors? **Light intensity at night may be adequate for conitinued photosynthesis**

Quality and Quantity

Area covered: **2**

1.square meters 2.hectares or acres 3.square km or miles

More specific?**4.5 hectares**

Y/N: Bordered by fires? **N** Bordered by agriculture? **N**
Bordered by roads? **Y** Bordered by housing? **N**
Urban – Rural interface? **N**

Area of natural landscape: **many km2** Age of dominant species: **aprox 300** yrs

Apparent grazing intensity: **1**

1. not grazed 3. old cow-pies or hoof-prints
2. grazed but not obvious 4. fresh (this year) cow-pies or hoof-prints

Other disturbance:**none**

Y/N: Invasive Plants Present? **Y**

%Cover	Species
5	**Bromus tectorum**
2	**Xanthoria parietina**

Y/N: Rare Species Present? **Y** Type(s): **1, 2**

1. Plant 2. Fungus 3. Animal

%Cover or number	Species
12 %	**Texosporium sancti-jacobii**
28 indiv	**Sulcaria badia**
2 indiv	**Rorippa subumbellata**
%	

Other Comments

Weird site!