

Fremont-Winema Spring 2008 ISSSSP Fungi Survey

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This survey focused on areas outside NWFP or areas not previously surveyed for former 'Survey and Manage' fungi. Areas of probable suitable habitat were selected using GIS, satellite imagery and info from FS personnel; areas targeted were wetter areas within old growth stands – mostly adjacent to streams and areas with melting snow (higher elevation). A list of target species was generated based on habitat and ecology and appears below.

List of targets:

Strategic: *Cortinarius verrucisporus*, *Ramaria coulterae*, *Plectania milleri*, *Cortinarius wiebeae*, *Elaphomyces anthracinus*, *Elaphomyces subviscidus*, *Rhizopogon atroviolaceus*

Sensitive: *Pseudorhizinia californica*, *Hygrophorus caeruleus*

The surveys were done 5/27/08-6/12/08 by force account crews using a focused (intuitive controlled) survey. Each survey area was visited only once during the timeframe above, as funding allowed. Recorded climate data for May-June 2008 is shown below. A map of survey polygons and element occurrences as entered into NRIS, is attached.

2008 Western Regional Climate Center Data

Chiloquin			
Date	Avg. Daily Max (°F)	Avg. Daily Min (°F)	Monthly Precip. (in)
May-08	64.65	37.06	2.19
Jun-08	71.3	39.17	0.12
		total	2.31
1971-2000 Avg.precip (May-June)			1.93
Avg. temp. May	62.9	30.6	
Avg. temp. June	73.1	36.2	
Summit (Lakeview)			
Date	Avg. Daily Max (°F)	Avg. Daily Min (°F)	Monthly Precip. (in)
May-08	69.94	48	1.36
Jun-08	68.2	42.53	0.56
		total	1.92
1971-2000 Avg.precip (May-June)			2.41
Avg. temp. May	65	36.8	
Avg. temp. June	73.8	43.4	

<http://www.raws.dri.edu/cgi-bin/rawMAIN.pl?orOCHI>

Equipment used, survey methods and documenting procedures were similar to those described in the [draft Macro-fungi Sporocarp Survey Protocol](#).

A list of species found and identified is included below as it is not yet possible to use the NRIS database to store this information. Not all species were identified, but those resembling sensitive or strategic fungi were submitted for verification. Survey data has been entered into NRIS, but is not complete due to lack of valid species codes for fungi. Targets found and verified include two sites of *Hygrophorus caeruleus* and one site of *Cortinarius verrucisporus*.

List of fungi found:

Agaricus sp.
Agrocybe sp.
Agrocybe praecox
Amanita sp.
Auricularia auricular
Boletus edulis
*Boletus haematinus**
Calvatia pallida
Calocybe onychina
Caloscypha fulgens
Camarophyllus nivens
Clitocybe albirhiza
Clitocybe glacialis
Clitocybe squamulosa
Clitocybe sp.
Collybia bakerensis
Collybia oregonensis
Collybia sp.
Coprinus plicatilis
Cortinarius magnivelatus
Cortinarius mucosus
Cortinarius spp.
Cortinarius verrucisporus
Crepidotus sp.
Cryptoporus volvatus
Discina perlata
Echinodontium tinctorium
Flammulina velutipes

Galerina sp.
Ganoderma sp.
Geopyxis vulcanalis
Guepinopsis alpinus
Gyromitra montana
*Hygrophorus caeruleus**
Hygrophorus purpurescens
Hygrophorus marzuolus
Hygrophorus nordmanensis
Hygrophorus subalpinus
Hygrophorus sp.
Inocybe sp.
Lentinellus montanus
Leucopaxillus sp.
Lycoperdon sp.
Lyophyllum decastes
Melanoleuca sp.
Melanoleuca evenosa
Morchella elata
Morchella sp.
Mycena sp.
Mycena griseoviridis
Mycena leptcephala
Mycena lilacifolia
Mycena overholtsii
Naematoloma sp.
Nivatogastrium nubigenum
Nolanea verna

Nolanea sp.
Omphalina hohensis
Panaeolus semiovatus
Phaeolus schweinitzii
Phellinus pini
Phlegmacium sp.*
Pholiota aurivella
Pisolithus tinctoria
Polyporus badius/elegans
Polyporus sp.
Ramaria rasilispora
Ramaria sp.
Ripartites tricholoma
Russula brevipes
Sarcosphaera coronaria
Sarcosphaera crassa
Scutellinia scutellata
Telamonia sp.*
*Trappea darkeri**
Tremella sp.
Tricholoma moseri
Tricholoma myomyces
Tricholoma sp.
Verpa conica
 Unknown Basidiomycete

*specimens sent for verification

References used to ID specimens:

Arora, D. 1986: **Mushrooms Demystified. 2nd Edition.** Ten Speed Press, Berkeley, California: 959 pp.

Keys to Mushrooms of the Pacific Northwest: <http://www.svims.ca/council/keys.htm>



Hygrophorus caeruleus

Spring 2008 Fungi Surveys



- Sensitive fungi sites '08
- Survey
- Ranger Districts

