United States Department of Agriculture	Forest Service	R-6 R-5	OR/WA CA	Bureau of Land Management	United States Department of the Interior

Reply Refer To: 1950 (FS)/ 1736 (BLM) (OR-931) P **Date:** April 3, 2006

FS-Memorandum

EMS TRANSMISSION 04/03/2006
BLM-Instruction Memorandum No. OR-2006-038
Expires: 09/30/2007

To: Bureau of Land Management District Managers (Coos Bay, Eugene, Lakeview, Medford, Roseburg, Salem), and Field Managers (Klamath Falls, Tillamook, OR; Arcata, Redding, and Ukiah, CA), and Forest Service National Forest Supervisors and Columbia River Gorge National Scenic Area Manager within the Northwest Forest Plan Area

Subject: Equivalent Effort Surveys for Survey and Manage Category B Species; and Survey Methodology for One Lichen Species with Category Change from 2003 Annual Species Review

Equivalent Effort Surveys

The 2001 Survey and Manage Record of Decision (ROD) establishes timelines for the completion of Strategic Surveys for Category B species (Standards and Guidelines, page 9). If timelines for Strategic Survey completion are not met, the species will require "equivalent effort" pre-disturbance surveys for projects in old growth forests. For the non-fungi Category B species, the deadline for completion of Strategic Surveys was the beginning of FY06. There are 17 of these non-fungi Category B species: 3 mollusks, 8 bryophytes, and 6 lichens.

Strategic Surveys complete; no Equivalent Effort Surveys required

After consideration of the efforts that have been expended for these 17 species, and comparing them with the information needs identified in the Strategic Survey Implementation Guide, Strategic Surveys are considered complete for 8 of these species. The 8 species are:

Lichens: *Calicium abietinum, Chaenotheca chrysocephala, Chaenotheca ferruginea, Microcalicium arenarium*
Bryophytes: *Diplophyllum plicatum, Iwatsukiella leucotricha, Rhizomnium nudum, Tritomaria quinquedentata*

Equivalent Effort Surveys are not required for these species. Additional information documenting the rationale regarding the Strategic Survey completion of these 8 species is forthcoming.

Strategic Surveys not complete; Equivalent Effort Surveys required

The remaining 9 species require Equivalent Effort Surveys. These 9 species are:

Lichens: *Bryoria subcana, Tholurna dissimilis* (south of Columbia River)
Bryophytes: *Kurzia makinoana, Marsupella emarginata* v. *aquatica, Orthodontium gracile, Tritomaria exsectiformis*
Mollusks: *Deroceras hesperium, Hemphillia pantherina, Monadenia chaceana*

The information and management direction for the 3 mollusk species has already been incorporated into the most recent version of the terrestrial mollusk survey protocol (Instruction Memorandum No. OR-2003-44, February 21, 2003). Since 2001, Equivalent Effort Surveys for these species have been required, separate from the management direction about Strategic Survey completion.

Equivalent Effort Surveys for these species have been ongoing and should continue to follow the previous direction from that protocol.

For the 6 bryophyte and lichen species, Equivalent Effort Surveys for these species must now be conducted for projects that have the potential to cause a significant negative effect on the species habitat or the persistence of the species at the site and the project:

1. occurs in old-growth forest habitat (see Attachment 1 for a description of "old-growth" taken from the 2001 ROD), and
2. has a decision in FY06 or later.

Information to assist in conducting Equivalent Effort Surveys is included in Attachment 1 and covers: Survey Methodology, Habitat, Technical Descriptions, Range, and References.

Category B lichen that moved to Category A in 2003 Annual Species Review

In the last Annual Species Review, 1 lichen species, *Pseudocyphellaria perpetua*, moved from Category B to A (Instruction Memorandum No. OR-2004-034, http://www.or.blm.gov/surveyandmanage/). Pre-disturbance surveys are now required for this species for projects that may significantly negatively affect the species habitat or the persistence of the species at the site. This requirement applies to projects with decisions signed in FY07 or later.

Included in Attachment 2 is information to assist in the pre-disturbance surveys for this species. Attachment 2 serves as a supplement to the lichen survey protocol (Instruction Memorandum No. OR-2003-078, June 9, 2003) and contains information on: Survey Methodology, Habitat, Technical Descriptions, Range, and References.

Questions/contact info

If you have questions on the information presented in this document, please contact the following individuals:

- Technical questions (species-specific information, survey methods, etc.):
  - BLM and Region 6: Rob Huff, (503) 808-6479
  - Region 5: Quentin Youngblood, (707) 441-3630
  - BLM CA: Jeanne McFarland, (707) 825-2332

- Policy-related questions:
  - BLM: Mike Haske, (503) 808-6066
  - Region 6: Alan Christensen, (503) 808-2922
  - Region 5: Steve Bishop, (707) 562-8689

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2 Attachments

1 - Survey Protocol Guidance for Conducting Equivalent Effort Surveys (17pp)

2 - *Pseudocyphellaria perpetua* (Lichen) Supplemental Guidance for Pre-Disturbance Surveys (2pp)

BLM Distribution

WO-230 (204LS) (Peggy Olwell)
CA-330 (Jeanne McFarland, Paul Roush)
CA-932 (Ed Lorentzen)
OR-931 (Anita Bilbao, Michael Haske, Barbara Hill, Rob Huff, Joan Seevers, Kelli Van Norman)
OR-932 (Todd Thompson)
OR-014 (Steve Hayner)
OR-015 (Todd Forbes, Alan Munhall)
OR-026 (Darren Brumback, Matt Obradovich)
OR-030 (Cynthia Tait)
OR-036 (Jon Sadowski)
OR-050 (Jan Hanf)
OR-056 (Jimmy Eisner)
OR-080 (Roy Price, Robert A. Ruediger)
OR-090 (Mark D'Aversa)
OR-095 (Eric Greenquist)
OR-100 (Scott Lightcap)
OR-104 (Christopher Foster)
OR-105 (Nancy Duncan)
OR-110 (Dale Johnson, Carole Jorgensen)
OR-125 (Bill Hudson)
OR-128 (Kerrie Palermo)
OR-134 (Joe Kelly)
OR BOTANY ALL

cc:

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