

If given coordinates were wrong, provide corrected info after averaging at plot center.
Lat: _____, Long: _____ (NAD 83, 5 decimal places)

FIELD DATA SHEET FOR LICHEN MONITORING PLOTS

USDA Forest Service

Wilderness area: _____ District: _____

National Forest: _____ County: _____

Plot #: _____ State: _____

Date: _____

Tissue collector: _____

Lichen collector: _____

Other observers: _____

Location in words: _____

Stand age (check one; to better understand the seral stages, consult the Plant Association guide)

_____ Very early seral & pioneer vegetation, 1-30 yrs

_____ Early seral, 30-100 years

_____ Mid-seral, 100-200 years

_____ Mature (late seral, 200 years until seral species are gone from the overstory)

_____ Old growth (climax vegetation, late seral species absent in the overstory)

Stand structure (check one; consider DBH of dominants and codominants only)

_____ Open sapling-pole, <30 cm (11") average DBH, open canopy

_____ Closed sapling-pole, <30 cm (11") average DBH, closed canopy

_____ Small saw timber, 30-53 cm (11-20.9") average DBH

_____ Large saw timber, 54-81cm (21-32") average DBH

_____ Old growth, >81 cm (>32") average DBH

Vegetation cover by species (indicator species; circle total overstory cover)

Capture the major composition of the site, a 5–10-minute exercise. Include total plot, not just plot center. 6-letter codes or the USDA plant codes needed.

| | | | | | |
|---------------|-------------|--------------|---------------|---------------|----------------|
| Cover: | 0-5% | 6-25% | 26-50% | 51-75% | 76-100% |
|---------------|-------------|--------------|---------------|---------------|----------------|

| | | | | | |
|---------------------------|--|--|--|--|--|
| trees and shrubs | | | | | |
| forbs and grasses | | | | | |
| mosses and lichens* | | | | | |

Lichen community packets

Plot number: Write the correct sequence of 7-digit ID.

For/Dist: Three-letter forest code as above and district code that makes sense. If in the wilderness, use in place of district.

Packet #: Alphabetize all packets by species (not 6-letter code) before assigning collection numbers, then secure with rubber bands.

Species: Okay to use 6 letter lichen code.

Collector: Initials are fine.

Substrate: Include tw (twig), br (branch), or bo (bole) or lit (litter) with the species. Make sure all data is complete on packets.

Abundance: Use FIA codes (1, 2, 3, 4) or R6 ARM codes. Ratings can be found on cheat sheet and on "off-grid" plot sheet.

Lichen chemistry

Collect 20+ g dry (100g wet) from > 8 locations on (or within ½ mi of) the plot. Use techniques to get on gloves without touching anything not of the forest on the outside of gloves.

| Lichen species collected | Substrate(s): Record plant acronym and location (e.g. bole, branch, litter, d/d) | Rep | Grams (- bag) | Moisture status |
|--------------------------|--|-----|---------------|-----------------|
| | | | | |
| | | | | |
| | | | | |

Label bags

1) plot #, 2) Forest/district, 3) date, 4) your name (e.g., A. Hardman), 5) 6-letter species code, 6) substrate, 7) weight, 8) rep #, 9) moisture status (wet, damp, dry).

Describe spatial extent of sampling area for lichen chemistry: *All over plot* or _____

Briefly describe the habitat (stand age and structure, surrounding landscape, plant community, etc.) and outstanding features of the plot (clear-cut, two different stand ages, stream lake or road through plot, etc.). Describe any deviations from standard operating procedures.

Briefly describe the lichens (overall abundance, dominant and unusual species, etc.)

Plot audit (make sure everything is complete!)

Are all packets completely labeled including substrate and abundance rating? _____

Do tissue bags have all 9 labels? _____

Time spent on survey, # of packets collected: _____