

Addendum to Forest Inventory and Analysis National Core Field Guide Volume II: Field Data Collection Procedures for Phase 3 Plots

All the changes are being made to make the field guide consistent with the new data collection program. Changes documented in change proposals are indicated in **bold** type. The corresponding proposal name can be seen using the comments feature in the electronic file. The procedures for the following variables being added match the procedures documented in version 4.0 of the phase 2 field guide: DAY, MONTH, YEAR, CREW NUMBER, QASTATUS, and NOTES.

Chapter 9. Ozone Bioindicator Plants

- **General changes:** There are changes in the text intended to clarify the procedures and descriptions that are incorporated in a revision of chapter 9 that is posted on the FIA web site. All of these changes are not documented separately in this addendum.
- There is now a National Ozone Field Advisor and a National Ozone Advisor. These positions have been identified throughout the chapter.
- **Add:** Code 0366 Spreading dogbane (*Apocynum androsaemifolium*) to Table 9-5 Target species and codes for the Pacific Northwest Region. This code has been added to data sheets where appropriate.
- **9.4.3 OZONE HEXAGON NUMBER.** Change the name of this variable from "OZONE HEXAGON NUMBER" to "FIELD ID". This name change has been made throughout the document in the text.
- **9.4.4 OZONE PLOT NUMBER.** Change the name of this variable from "OZONE PLOT NUMBER" to "SPLITPLOT ID". This name change has been made throughout the document in the text.
- **9.4.4 OZONE PLOT NUMBER.** Change code 1 from "The ozone plot consists of a single location or this is the first location of a plot split between two locations" to "The ozone biosite consists of a single location or this is the first location of a biosite split between two locations". Also, change code 2 from "The ozone plot is split between two locations. This code identifies the second location added by the field crew to increase species and plant counts for a single hexagon number" to "The ozone biosite is split between two locations. This code identifies the second location added by the field crew to increase species and plant counts for a single polygon number".
- **9.4.6 CREW TYPE.** Change code 2 from "QA crew (any crew member present collecting remeasurement data)" to "QA crew (any crew member present collecting quality assurance data)".
- **Drop:** 9.4.9 OZONE GRID DENSITY
- **9.4.10 PLOT SIZE.** Change the MQO from "Repeatable estimate" to "At least 99% of the time".
- **9.4.10 PLOT SIZE.** Change code 1 from "Greater than three acres." to "Greater than or equal to three acres."

- **9.4.12 TERRAIN POSITION.** Change the tolerance from “Repeatable estimate” to “No error”.
- **9.4.13 SOIL DEPTH.** Change the tolerance from “Repeatable estimate” to “No error”.
- **9.4.14 SOIL DRAINAGE (East only).** Change the tolerance from “Repeatable estimate” to “No error”.
- **9.4.14 PLOT WETNESS (West only).** Change the tolerance from “Repeatable estimate” to “No error”.
- **9.4.15 DISTURBANCE.** Change the tolerance from “Repeatable estimate” to “No error”.
- **Appendices in general.** Changes have been made in the data sheets to match changes made in the main body of the text including changes to variables.
- **Appendix 9.A. BioSite Characteristics.** Under PLOT SIZE section of the data sheet, change “> 3.0 acres (1.2 hectares)” to “≥3.0 acres (1.2 hectares)”. Also, change “1/2 to 3 acres (0.2 – 1.2 hectares)” to “1 to 3 acres (0.4 – 1.2 hectares)”.
- **Appendix 9.B Information and Data Sheets for the West. Key Identifying Characteristics of the Western Ozone Bioindicator Species – Add number 15 in the list, Spreading dogbane.**
- **Appendix 9.B. BioSite Characteristics – West.** Under PLOT SIZE section of the data sheet, change “> 3.0 acres (1.2 hectares)” to “≥3.0 acres (1.2 hectares)”. Also, change “1/2 to 3 acres (0.2 – 1.2 hectares)” to “1 to 3 acres (0.4 – 1.2 hectares)”.
- **Appendix 9.B. Ozone bioindicator foliar injury data sheet – Pacific Northwest and Interior West and Plains States.** Add code 366 Spreading dogbane to the list of codes and species.
- **Appendix 9.E Supplemental Bioindicator Species.** Add two columns to the table, Species code and Bio rank. From the Tree Spp. Section of the table, delete *Catalpa speciosa* – Catalpa. From the Woody section of the table, delete *Asimina triloba* – pawpaw; add *Apocynum cannabinum* – erect dogbane (Indianhemp), *Cephalanthus occidentalis* – common buttonbush, *Rubus occidentalis* – black raspberry, and *Rubus canadensis* – Thornless (smooth) blackberry; change common name of *Sambucus Canadensis* from “American elder” to “American (common) elderberry). From the Non-woody section of the table, delete *Cephalanthus occidentalis* – buttonbush, *Eupatorium perfoliatum* – boneset, *Helianthus hirsutus* – hairy sunflower; add *Verbescina occidentalis* – crownbeard. Also added some information to the Region column.

Chapter 10. Lichen Communities

- Drop: 10.3.10 CREW MEMBER NAME from the lichen sample packet and the lichen plot data card. Not collected electronically.
- Drop: 10.3.11 CREW TYPE from the lichen sample packet and the lichen plot data card. Not collected electronically.

- Change: 10.3.6. DATE. This variable is correct for the lichen sample packet and the lichen plot data card only. The statement that this is the variable description for the data recorder will be deleted.
- Add: 10.3.X DAY. This will be listed to collect on the data recorder.
- Add 10.3.X MONTH. This will be listed to collect on the data recorder.
- Add 10.3.X YEAR. This will be listed to collect on the data recorder.
- Add: 10.3.X CREW NUMBER. This will be listed to collect on the lichen sample packet, the lichen plot data card, and the data recorder.
- Add: 10.3.X NOTES. This will listed to collect on the data recorder.

Chapter 11. Soil Measurements and Sampling

- Add: 11.X.X DAY
- Add: 11.X.X MONTH
- Add: 11.X.X YEAR
- Add: 11.X.X CREW NUMBER
- Add: 11.X.X QASTATUS
- Add: 11.X.X NOTES

Chapter 13. Vegetation Diversity and Structure

- Drop: 13.3.5 VEG CREW TYPE
- Drop: 13.3.8 VEGETATION SPECIALIST CREW NAME
- Add: 13.3.X CREW NUMBER

Chapter 14. Down Woody Materials

- Add: 14.X.X DAY
- Add: 14.X.X MONTH
- Add: 14.X.X YEAR
- Add: 14.X.X CREW NUMBER
- Add: 14.X.X QASTATUS
- Add: 14.X.X NOTES