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|---|---|--|-------------------------------|---|--|--------------------------|---|--|--|---|--|--------------------------------|---|---------------------|
| <p>SOIL INSTRUCTIONS Depths (right): After measuring a corner (at the circle) cross it out on the diagram below. Samples (below): Mark location of soil samples with a triangle and horizon, e.g.: B Other soil data: enter below.</p> | SOIL DEPTHS | | | EARTH SURFACE & GROUND COVER | | | | MCNAB INDICES (degrees) + for upslope - for downslope at aspect | LFI: Landform Index (position within landscape) | TSI: Terrain Shape Index (site micro-topographic shape) | | | | |
| | Length of soil probe: _____ cm standard corners given below, correct if needed | | | Underlying Earth Surface: | | Ground Cover: | | | | | percent | percent | | |
| | Module | Corner | Soil Depth (cm) | (sum = 100%) | | (each ≤ 100%) | | | | | | | | |
| | 2 | 1 | | Histosol | | Coarse Woody Debris >5cm | | | | | | | | |
| | 2 | 2 | | Mineral Soil / Sediment | | Fine Woody Debris <5cm | | | | | | | | |
| | 2 | 3 | | Gravel / Cobble | | Litter | | | | | | | | |
| | 2 | 4 | | | | Duff (F+H) | | | | | | | | |
| | 3 | 1 | | Boulder | | Bryo / Lichen | | | | | | | | |
| | 3 | 2 | | | | Water | | | | | | | | |
| | 3 | 3 | | Bedrock | | Other (name): _____ | | | | | | | | |
| | 3 | 4 | | | | at aspect | | | | | | | | |
| | 8 | 1 | | +45 degrees | | +90 degrees | | +135 degrees | | +180 degrees | | | | |
| | 8 | 2 | | | | | | | | | | +225 degrees | | +270 degrees |
| | 8 | 3 | | +270 degrees | | +315 degrees | | +270 degrees | | +315 degrees | | | | |
| | 8 | 4 | | | | | | | | | | +270 degrees | | +315 degrees |
| 9 | 1 | | +270 degrees | | +315 degrees | | +270 degrees | | +315 degrees | | | | | |
| 9 | 2 | | | | | | | | | | +270 degrees | | +315 degrees | |
| 9 | 3 | | +270 degrees | | +315 degrees | | +270 degrees | | +315 degrees | | | | | |
| 9 | 4 | | | | | | | | | | +270 degrees | | +315 degrees | |
| SOIL SAMPLES | | | Organic layer depth: _____ cm | | | WATER | | | | | | | | |
| Module* 1-10, S (plot deep sample) | Horizon (A,B,C) | Homogeneity | | | Hydrologic Regime* | | | | Salinity* | | Soil Drainage* | | | |
| | | <input type="checkbox"/> Homogeneous <input type="checkbox"/> Compositional trend across plot <input type="checkbox"/> Conspicuous inclusions <input type="checkbox"/> Irregular / pattern mosaic | | | <input type="checkbox"/> Upland (seldom flooded) <input type="checkbox"/> Intermittently / seasonally saturated (seldom flooded) <input type="checkbox"/> Permanently / semipermanently saturated (dry < 1 / yr, seldom flooded) <input type="checkbox"/> Occasionally flooded (< 1 / yr) <input type="checkbox"/> Temporarily flooded | | | | <input type="checkbox"/> Intermittently flooded <input type="checkbox"/> Semipermanently flooded <input type="checkbox"/> Permanently flooded <input type="checkbox"/> Tidally flooded - daily <input type="checkbox"/> Tidally flooded - monthly <input type="checkbox"/> Tidally flooded - irregular (wind, storms) <input type="checkbox"/> Unknown | | <input type="checkbox"/> Saltwater <input type="checkbox"/> Fresh <input type="checkbox"/> Brackish <input type="checkbox"/> Upland (n/a) | | <input type="checkbox"/> Excessively drained <input type="checkbox"/> Somewhat excessively <input type="checkbox"/> Well drained <input type="checkbox"/> Moderately well dr. <input type="checkbox"/> Somewhat poorly dr. <input type="checkbox"/> Poorly drained <input type="checkbox"/> Very poorly drained | |
| | | | | | | | | | | | | | | |
| | | <input type="checkbox"/> > 1,000 × plot size <input type="checkbox"/> > 100 × plot size <input type="checkbox"/> 10-100 × plot size <input type="checkbox"/> 3-10 × plot size <input type="checkbox"/> 1-3 × plot size <input type="checkbox"/> < plot size | | DISTURBANCES | | | | Current Land Use: | | Former Land Use: | | | | |
| Soil Series / Type: | Soil Series Source: | | | Soil Texture*: | Soil Texture*: | Type | Severity (none, L,M,H) | | | | | Yrs ago | % of plot | Description |
| Soil Series Source: | Soil Texture*: | Topographic Position* | | | Season of Plot Sampling | | Physiognomy* | | Additional Notes: (Representativeness of the plot to the stand, Successional Status, Stand Maturity, etc.) | | | | | |
| Soil Texture*: | Rock Type*: | <input type="checkbox"/> Interfluvial (crest, summit, ridge) <input type="checkbox"/> High slope (shoulder, upper, convex) <input type="checkbox"/> High level <input type="checkbox"/> Midslope <input type="checkbox"/> Backslope (cliff) <input type="checkbox"/> Step in slope <input type="checkbox"/> Lowslope (lower, foot, colluvial) <input type="checkbox"/> Toeslope <input type="checkbox"/> Low level (terrace) <input type="checkbox"/> Channel wall (bank) <input type="checkbox"/> Channel bed (valley bottom) <input type="checkbox"/> Basin floor (depression) <input type="checkbox"/> Other: _____ | | | <input type="checkbox"/> Typical growing season <input type="checkbox"/> Vernal <input type="checkbox"/> Aestival <input type="checkbox"/> Autumnal <input type="checkbox"/> Winter <input type="checkbox"/> Temporarily flooded <input type="checkbox"/> Temporarily dry | | <input type="checkbox"/> I Forest <input type="checkbox"/> II Woodland <input type="checkbox"/> III Shrubland <input type="checkbox"/> IV Dwarf Shrubland <input type="checkbox"/> V Herbaceous <input type="checkbox"/> VI Nonvascular <input type="checkbox"/> VII Sparsely Vegetated <input type="checkbox"/> VIII Barren | | | | | | | |
| Surficial Deposits*: | Soil Description: | | | | | | | | | | | Season of Plot Sampling | | Physiognomy* |

Cover Data: CVS Levels 3 & 4

Leader: _____ Project: _____ Team: _____ Plot: _____ Date: / / _____ Area: _____ Page ___ of ___

Strata

Column headers are module numbers (level 4 only), with cover codes below:

| T | S | H | (F) | (A) | <u>Species Name</u> | c | | | | | | | | | |
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