Wetland Delineation Training

Itinerary

First Day

7:30 am - 8:00 am: Introductions, logistics, safety issues

8:00 am - 12:00 pm: Topics: History of wetland regulations, Rivers and Harbors Act of 1899, Section 404, wetland delineation manuals, history of Tulloch Rule, implications of SWANCC decision, definition of Waters of the US, May 2015 changes to Waters of the US.

12:00 pm - 1:00 pm: Lunch

1:00 pm - 6:00 pm: Thorough discussion of the implications of the Rapanos decision, exemptions to Waters of the US, agricultural exemptions and programs, wetland regulatory agencies, Special Aquatic Sites, National Wetlands Inventory maps, Prior Converted Croplands, farmed wetlands, definitions of wetlands, definition of normal and atypical circumstances. Lecture / Guided Discussion

Second Day

7:30 am - 12:00 pm: Topics: Hydrology, sources of water, factors that affect hydrology, inundated, ponded, flooded, saturated, water table, capillary fringe, oxidation, reduction, reducing conditions, anaerobiosis, hydrology criteria, growing season, functional growing season, primary hydrology indicators, secondary hydrology indicators. Lecture / Guided Discussion

12:00 pm - 1:00 pm: Lunch

1:00 pm - 3:00 pm: Topics: Morphological, physiological and reproductive adaptations, definitions of strata, NWI plant categories, 50/20 test, vegetation criteria, fac-neutral test, limitations

3:00 - 6:00 pm: Soil taxonomy, descriptions of the orders, soil, nonsoil, key soil properties, particle sizes, soil horizons, drainage classes, Lecture / Guided Discussion

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Third Day (First Field Day)

7:30 am - 12:00 pm: Field demonstrations of Munsell color designations, soil texture determination, redoximorphic features, contrast; abundance and size, color criteria of soils, soil surveys, offsite method, routine method, comprehensive method application, atypical situations, problematic areas. Field Demonstrations

12:00 pm - 1:00 pm: Lunch

1:00 - 5:00 pm: Assessing vegetation and hydrology and making soil field assessments. Field demonstrations using the area-specific Regional Supplement and 1987 Wetland Delineation Manual.

Fourth Day (Second Field Day)

7:30 am - 12:00 pm: Hydric soil indicators. Field demonstrations using the area-specific Regional Supplement

12:00 pm - 1:00 pm: Lunch

1:30 pm - 4:00 pm: Field demonstrations using the area-specific Regional Supplement

4:00 pm - 5:00 pm: Question and Answer session, commencement

There is no exam. Participants are required to attend all sessions. Prerequisites: A Baccalaureate or equivalent in work experience in the sciences or engineering.