

Brian McGowan, CWD, CCP

PROFESSIONAL EXPERTISE

Wetland determination and delineations based on the 1987 manual of the U.S. Army Corp of Engineers; Section 404 of the Clean Water Act permitting; threatened and endangered species monitoring; tree classification survey and identification; wetland mitigation monitoring and planning; natural resource planning; native landscape design, installation, maintenance, and monitoring; wetland and native prairie restoration; GIS development.

PROFESSIONAL EXPERIENCE

Conduct certified wetland determinations and delineations according to federal standards and policies on behalf of real estate developers, not-for-profit organizations, and private entities.

Monitor multiple wetland mitigated sites mandated by the United States Army Corp of Engineers to ensure proper compliance with water quality and resource conservation.

Write and obtain permits for multiple projects pertaining to impacts to waters of the U.S. as outlined in section 404 of the Clean Water Act that is administered by the United States Environmental Protection Agency (USEPA).

Coordinate with the United States Fish and Wildlife Service (USFWS) to conduct threatened and endangered species studies in order to ascertain the presence or absence of the species in question.

Conducted wetland determinations and delineations on a +/- 270 acre property that was featured on the Discovery Channel and the Travel Channel as the model of conservation subdivisions in the Midwest. I also obtained permits to re-meander a strained stream that was connected to a navigable waterway.

Brian McGowan, CWD, CCP

Develop conservation plans for private entities and real estate developments which include: pond design, bank stabilization, tall grass prairie restoration, wetland restoration, field border, forest stand improvements, and wildlife enhancement.

Conduct tree classification surveys in which trees are individually measured at breast height, identified to species, and classified based on the health of the tree. This is done according to municipal ordinances involving the removal of trees.

Plan, install, and maintain native prairie and wetland ecosystems in order to enhance wildlife, improve water quality, and stabilize shorelines.

Worked with a team of USDA and Soil and Water Conservation employees to map individual parcels of land and farmed wetland locations in Kankakee County using Geographic Information System technologies.

Worked with USDA employees to reduce soil erosion and water runoff on large farm operations in McLean, Kankakee, Will, Cook, Boone, and Winnebago Counties in Illinois.

Served as the lead in Boone County, Illinois on a pilot program known as the Conservation Security Program (CSP) in which GIS was used to identify natural resource concerns in the Kishwaukee watershed in northern Illinois. This data was then used to compose conservation plans for residents and farmers within the watershed. Based on the success of this pilot program, CSP is now a permanent program in major watershed areas throughout the country.

Currently serve on a technical resource work committee in which members of the EPA, USDA, USFWS, DNR, private engineers, and conservation planners identify environmental concerns in the Chicago collar counties and propose solutions to those concerns.

EDUCATION

B.S. Biological Sciences
Illinois State University

PROFESSIONAL CERTIFICATIONS

Certified Wetland Delineator – Society for Wetland Scientists.

Certified Conservation Planner – United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS).

Certified 40 Hour OSHA HAZMAT/HAZWASTE – Environmental Training Consultants