

Full Service
Ecological Solutions



Great Lakes Region

Cardno offers a range of ecological consulting and restoration solutions for natural resources, cultural resources management, and environmental permitting and compliance.



Cardno provides an integrated approach to complex and natural resources challenges. Our multidisciplinary teams of experienced scientists, archaeologists, and business professionals offer the expertise to meet your ecological consulting and restoration needs.

Clients turn to Cardno's experienced team of professionals for help navigating complex environmental challenges because of our reputation for integrity, responsiveness, and innovation. Our multidisciplinary team of scientists, engineers, natural resource economists, litigation support, and business professionals provide clients with strategic access to the wealth of knowledge and problem-solving expertise of the Cardno team.

Our full-service approach to project delivery offers access to our extensive portfolio of ecological services, from preliminary site assessment through permitting, native plant supply, design-build construction, maintenance, and monitoring. We pride ourselves on following clear communications paths, careful quality assurance procedures, and disciplined safety processes. This comprehensive approach enables us to excel in providing efficient and cost-effective project management as we plan, design, manage, and deliver successful solutions that provide value to our clients.

We also operate our own Native Plant Nursery, which has an extensive offering of native plant and seed species, along with bioengineering materials needed for successful restoration, mitigation, and native landscape projects.

Our nursery is one of the largest in the Midwest and has earned a reputation as a custom provider of solutions for restoration projects of any size. We are able to provide our clients with a local team of experts along with access to the company's extensive global resources. Cardno's highly trained professionals have the in-depth industry experience, technical excellence, and strategic insight that make Cardno the right choice for your environmental management and consulting needs.

Natural Resources Management

Our natural resources management approach begins with a clear understanding of the physical, chemical, and biological factors that impact the species and ecological processes within each ecosystem. Clients rely on our expertise in the following areas:

- > Avian & chiropteran surveys
- > Bioengineering & shoreline stabilization
- > Biological inventories
- > Botanical surveys
- > Brownfield redevelopment planning
- > Construction & construction oversight
- > Cultural resources surveys & investigation
- > Ecological restoration & mitigation
- > Emergency response services
- > Environmental economics
- > GIS design, modeling & management



- > Habitat restoration & enhancement
- > Historic preservation planning & outreach
- > Invasive & exotic species control
- > Mitigation planning & design
- > Native plant & seed supply
- > Prescribed burning
- > RTE species surveys & monitoring
- > Structured decision making
- > Toxic substances & Areas of Concern
- > Wetland determinations & delineations

Water Resources Management

Our highly trained scientists develop and implement sustainable solutions for the full range of water resources issues. We specialize in a design-build approach to provide cost efficiencies and improved quality control, leading to better project outcomes:

- > Alternative stormwater management
- > Aquatic ecology
- > Comprehensive groundwater services
- > Construction & implementation
- > CSO & SSO mitigation
- > Fisheries management
- > Geomorphology
- > Green infrastructure solutions
- > Hydroelectric project licensing
- > Lake and stream design & restoration
- > Stream & riparian assessment
- > Water banking
- > Water quality assessment & compliance

- > Water resource economics
- > Water rights
- > Water supply planning
- > Watershed management
- > Wetland mitigation

Permitting & Compliance

Our consultants have the technical regulatory expertise and agency relationships to help clients effectively and efficiently negotiate the permitting process.

- > Clean Water Act Sections 401 & 404
- > Facility siting, permitting & licensing
- > Federal Endangered Species Act (ESA)
- > Mitigation permitting
- > Municipal & state stormwater regulations
- > National Historic Preservation Act Section 106
- > NEPA & state-level environmental laws
- > Product safety, assessment, & regulatory support
- > State endangered species regulations
- > Toxic Substances Control Act (TSCA) compliance
- > Water supply permitting

Liability Management

Our experienced litigation support team of scientists, engineers, and economists assist clients in addressing site-based and emerging liabilities.

- > CERCLA management
- > Decision analysis & risk management
- > Financial & economic feasibility studies
- > Natural Resource Damage Assessment (NRDA) management
- > NRDA/Oil Pollution Act response
- > Resource economics & cost analysis
- > Risk assessment & toxicology
- > Toxic torts & property value diminution

Native Plant Nursery

Our 130-acre nursery provides quality-assured native plants and custom seed mixes for restoration, mitigation, and native landscape projects across the country, including:

- > DOT & roadside corridor projects
- > Habitat & ecosystem restoration
- > Pollinator habitat & CRP plantings
- > Shoreline & slope stabilization
- > Stormwater BMPs & rain gardens
- > Wetland mitigation
- > Wetlands, uplands, riparian & woodland corridors

Visit www.cardnonativeplantnursery.com for information on our quality assurance processes, availability, pricing, and our natural bioengineering-erosion control products.

- > All plant sizes: liners, plugs, quarts & gallons
- > Contract growing
- > Live stakes, fascines & wattles
- > Mycorrhizal inoculation for seed & plugs
- > Quality-tested pure live seed
- > Specification assistance
- > Vegetated coir logs & mats
- > Submerged aquatics

Federal Grants & Programs

Cardno provides assistance to clients seeking project funding through various federal environmental grant programs. We have secured grant funding from programs run by the following agencies:

- > Department of Defense (DOD)
- > Environmental Protection Agency (EPA)
- > Natural Resources Conservation Service (NRCS)
- > US Fish & Wildlife Service (USFWS)
- > US Forest Service (USFS)



About Cardno

Cardno is a professional infrastructure and environmental services company, with expertise in the development and improvement of physical and social infrastructure for communities around the world. Cardno's team includes leading professionals who plan, design, manage and deliver sustainable projects and community programs. Cardno is an international company listed on the Australian Securities Exchange [ASX:CDD].

Cardno
ZERO
HARM
EVERY JOB. EVERY DAY.

Cardno's commitment to Zero Harm

Cardno's goal is to always conduct our business in a way that protects our people, clients, visitors and members of the public from harm. In an effort to move toward the ultimate objective of zero harm, we are committed to implementing safety systems and awareness throughout our operations globally.

574 586 3400
www.cardno.com

