

COMPANY PROFILE

Oneida Total Integrated Enterprises (OTIE) is a tribally-owned, small disadvantaged business, wholly-owned by the Oneida ESC Group, which is owned by the Oneida Nation of Wisconsin.

OTIE offers technical skills and a mature business infrastructure developed through 27 years of experience providing environmental, remediation, landscape ecology, construction, engineering, munitions response, and emergency response services to federal, state, and local government agencies, as well as commercial customers in the United States and across the world.

Our mission is to preserve, restore, and enhance the natural and constructed environment for future generations through successful project delivery for our customers.

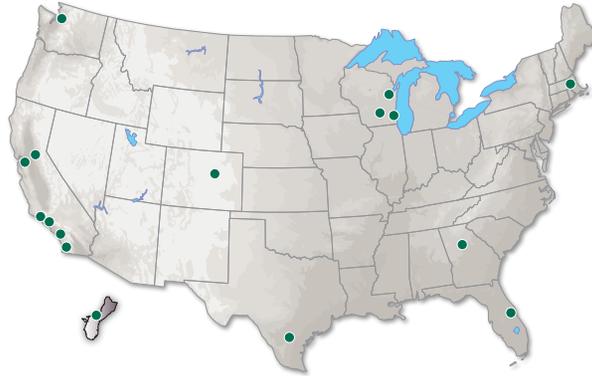
ONEIDA ESC GROUP
MISSION STATEMENT

We deliver timely, cost-effective, and innovative solutions that provide sustainable benefits. To promote project success, we often enhance customer outreach with positive, productive communications with stakeholders using data visualization tools, customized graphics, site-specific websites, and informational materials to promote understanding, consensus, and community acceptance.

OTIE draws upon the knowledge and experience of 300 employees. From our original office in Milwaukee, WI and offices located coast-to-coast, we integrate engineers, scientists, and construction managers for dedicated, cooperative, and businesslike delivery of services to enhance our customers' missions.

We deliver timely,

CONTACT INFORMATION



Office Locations

- Atlanta, GA
- Boston, MA
- Burbank, CA
- Cocoa Beach, FL
- Denver, CO
- Green Bay, WI
- Madison, WI
- Milwaukee, WI
- Sacramento, CA
- San Antonio, TX
- San Diego, CA
- San Francisco, CA
- Santa Barbara, CA
- Seattle, WA
- Ventura, CA
- Hagåtña, Guam

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Oneida Total Integrated Enterprises

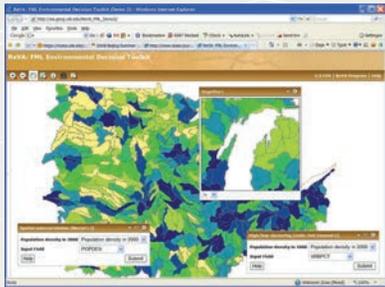
Landscape Ecology



LANDSCAPE ECOLOGY



OTIE's team of ecologists, geographers, statisticians, computer programmers, and economists develop spatially-explicit statistical methods and quantitative models to evaluate the effects of landscape-level environmental stressors on wildlife and human well-being.



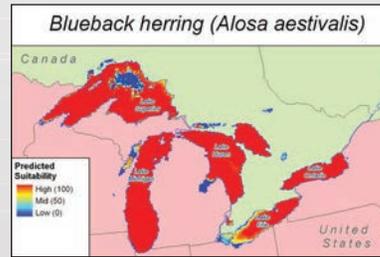
OTIE has used global GIS data layers from satellite observations to predict new invasive species in the Great Lakes. OTIE uses

existing environmental monitoring data to evaluate exposure of valued ecological resources to toxic chemicals, habitat destruction, and other stressors. To support national, regional, and local-level decision makers, we also develop Internet-based support tools to facilitate access to multiple, spatially-correlated data sets and information.

PROJECT EXPERIENCE

Predicting Future Invasive Species in the Great Lakes

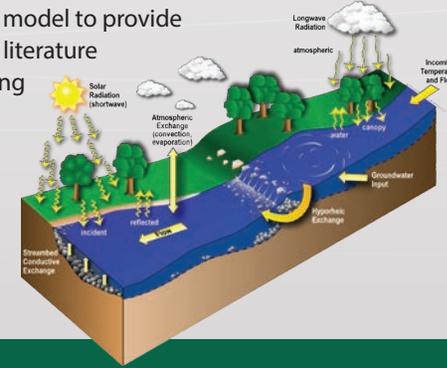
Based on published studies, OTIE identified several aquatic species that have high potential to become established, spread, and cause ecological harm in the future.



The Genetic Algorithm for Rule-Set Production (GARP) technique was applied to identify where nine of the species could find suitable habitat. Predictions were made using world-wide aquatic-environment data layers from MODIS satellite-based remote sensing data. Monitoring efforts were then enhanced to target areas most susceptible to invasion through focused predictions.

CADDIS Internet Development

OTIE provided support to the EPA NCEA for building the Causal Analysis/Diagnosis Decision Information System (CADDIS) Internet site. The CADDIS site equips state biologists to identify the stressors causing impairments in streams to support TMDL development. OTIE prepared literature reviews, extracted data, built user-friendly interfaces for statistical tools and databases, and developed an Internet-based interactive conceptual model to provide supporting literature for evaluating candidate causes.



REVA PROGRAM

The USEPA Regional Vulnerability Assessment (ReVA) program began working with USEPA Region 5 to develop an Environmental Decision Toolkit (EDT). As part of this work, OTIE designed a user-friendly EDT based on input from Region 5, the Midwest Spatial Decision Support System Partnership (MSDSSP), and the Great Lakes National Program Office (GLNPO).

This initial EDT focused on conservation biology and water quality as endpoints and incorporates data, metrics, and model output based on the following potential data sources:

1. *Seminal data layers from the Critical Ecosystems Assessment Model (CrEAM).*
2. *The Great Lakes Basin Landscape Metrics (Lopez, 2005).*
3. *Estimated water quality parameters from the Long-Term Hydrologic Impact Assessment (L-THIA) model developed by Purdue University.*

OTIE designed a user-friendly EDT that meets the needs of the user community to provide easy access to environmental information to assist in prioritizing the use of resources and in strategic planning to improve environmental outcomes in the Midwest region and Great Lakes Basin. The EDT incorporates geographic information system (GIS) spatial analysis capabilities and statistical analyses. The EDT enables use of Internet services for inclusion of data from outside sources (e.g. from states) such that these data can augment the static spatial data stored with the EDT.

OTIE populated the Region 5 EDT with data and model results provided by USEPA and summarized the results by 8-digit HUCs and other reporting units. The EDT includes a variety of multiple environmental indicators presented as coverages and integrated summary statistics across the region.