

Partner Solutions and Services for

Water Resources



GIS Partner Solutions for Water Resources

Geographic information system (GIS) technology is a powerful tool for developing solutions such as assessing water quality and managing water resources on a local or regional scale. Hydrologists use GIS technology to integrate various data and applications into one manageable system. GIS, although an important tool, is just one of many needed to supply managers with the information required to make decisions that will have a significant impact. The industry has identified these needs, and Esri is fortunate to be partnering with producers of best-of-breed solutions for water resource management.

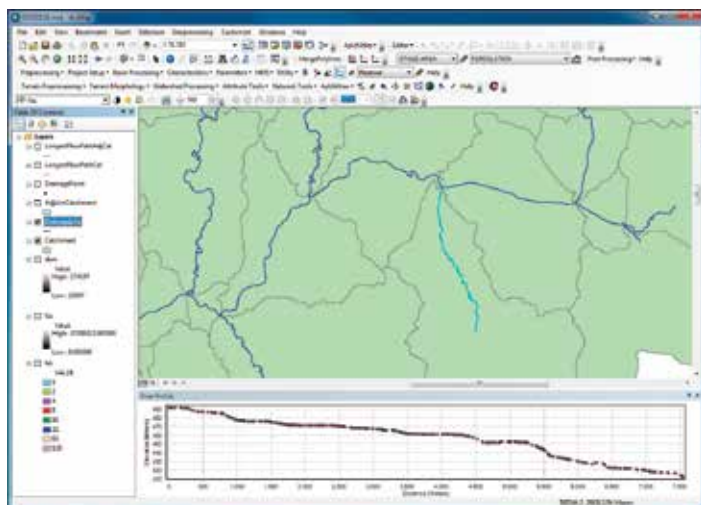
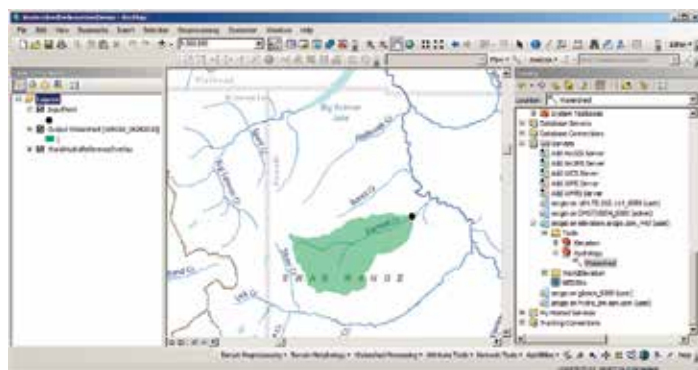


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esri.com/waterresources.

Platinum Partners

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Since 1986, Azteca Systems Inc. has been providing innovative GIS-centric asset management solutions.

Built exclusively on Esri® ArcGIS® technology, Cityworks is a powerful, scalable, and affordable solution for managing watershed facilities, stormwater infrastructure, water quality, permitting, and more. Time tested and proven technology, Cityworks is empowering GIS at more than 500 user sites around the world.



Exelis Visual Information Solutions

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Exelis Visual Information Solutions makes software to help users add important information from geospatial imagery to their GIS so they can make better decisions regarding water, wastewater, and water resources. ENVI is Exelis's flagship image analysis software product that is tightly integrated with ArcGIS for Desktop and ArcGIS for Server, making it easy to add advanced image analysis capabilities to users' existing GIS products. Guided ENVI workflows allow users to achieve expert-level results even with little or no prior experience with imagery. Regardless of the data type they use, ENVI will help users accurately monitor water quality, extract and classify features to map impervious surfaces, determine runoff patterns, assess topographic changes, and more. Start using imagery as more than a backdrop for vectors by including advanced ENVI image analysis tools in GIS products.

ENVI image analysis software helps users get information from virtually all data types:

- Multispectral imagery
- Hyperspectral imagery
- Aerial photography
- Lidar data
- Synthetic aperture radar (SAR) data
- Many more



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Latitude Geographics has helped people succeed with web-based geography by enabling them to make better decisions about the world around them. With partnerships and success stories around the world, Geocortex software by Latitude Geographics transforms how organizations design, develop, and maintain Esri ArcGIS for Server and ArcGIS OnlineSM web mapping applications. Esri is the world's leading GIS platform, and in 2010, Latitude Geographics was recognized as an Esri Worldwide Partner of the Year and one of the first to be named as an Esri Platinum partner.

Geocortex enables the adoption of Spatial Application Infrastructure (SAI), allowing organizations to do more, faster, at less cost and risk, and with better results. This unique off-the-shelf approach makes it easy for developers and administrators to create and maintain applications while ensuring end users consistently benefit from a positive web mapping experience. Best of all, organizations effectively future-proof their ArcGIS investments by readily accommodating technology change over time.

Geocortex has been used by local and regional organizations throughout North America to help manage water resources. There are a wide range of successful implementations of Geocortex, reflecting the highly configurable nature of the software. Geocortex applications are being used to perform capacity planning, floodplain management, environmental monitoring, and source water protection.

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Fugro

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Fugro is the world's leading service provider in the collection and interpretation of data relating to the earth's surface and subsurface and in the support of infrastructure developments on land, at the coast, and on the seabed.

Recent tsunamis, hurricanes, floods, and droughts, together with the greater public awareness of the possible effects of climate change, have increased demand for technical services relating to water resources management. Fugro Water Services supports its clients in assessing and understanding the nature of these challenges and advises on risks and mitigation measures. Fugro has more than 12,500 employees stationed in over 60 countries with international experience stretching back more than 50 years. Fugro has a worldwide network of water specialists who have broad experience in data acquisition methods and techniques, data processing and management, modeling, and consultancy with respect to the following topics:

- Water defense and flood control
- Water resource management
- Water-related infrastructure

Fugro Services

- Geological, geotechnical, and geohydrological assessments
- Surveying and mapping
- Satellite imagery
 - Airborne lidar-based elevation mapping, photogrammetry, and video imagery
 - Airborne radar-based elevation mapping
 - Terrestrial lidar-based elevation mapping, photogrammetry, and video imagery
 - Terrestrial surveying
- Subsurface investigation and consultancy
 - Geological and geotechnical investigation: borings, CPT, seismic, terrestrial, and aerial
 - Geophysics, sampling, laboratory testing, subsurface models (strata), and parameters
 - Rapid Engineering Assessment of Levees (REAL) and geotechnical evaluation of levees
- Surface and groundwater modeling
 - Hydrological modeling and environmental investigation: stand pipes and groundwater levels
 - Water quality monitoring, flow and yield models, and environmental impact assessments (EIA)
- Data management systems to store, manage, analyze, and visualize geological, geotechnical, and geohydrological data
 - Data management of floodplains and levees
 - Asset management, mapping, and change detection

GeoDecisions

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GeoDecisions is an award-winning leader in providing innovative, advanced information technology solutions. GeoDecisions specializes in offering clients the technical planning, engineering, and delivery expertise associated with GIS services. GeoDecisions operates as a division of Gannett Fleming, Inc., an international planning, design, and construction management firm. Founded in 1915 and focused on global infrastructure solutions, Gannett Fleming has 2,000 employees in more than 60 offices around the world. Gannett Fleming is committed to providing integrated water resources services and GIS solutions to protect and sustain the quality and availability of the world's water supplies. With today's digital data resources, Gannett Fleming's approach to water resources modeling and mapping is entirely GIS based, enabling the company to effectively and efficiently evolve with the latest technologies and approaches while consistently developing high-quality products.

For more than a decade, the company's engineers and GIS professionals have been integrating GIS technologies into water resources projects. They have automated hydrologic and hydraulic analyses for hundreds of reservoir and dam projects and delineated flood hazards along thousands of stream miles. Projects range from simple culvert design for new roadways that leverage Arc Hydro to feature-rich GIS applications developed for collecting field data using any mobile device. Gannett Fleming has also provided the Federal Emergency Management Agency with end-to-end flood map production services, using the latest GIS technology from Esri. At the core of this effort has been workflow automation. The company has the expertise and right mix of engineering and GIS skill sets to understand client business processes and where GIS can benefit the most. This collaboration is reinforced with a proven track record of implementing custom development that results in a direct return on investment.

Going beyond typical engineering services, the company uses innovative GIS solutions to convey information effectively, giving the target audience a better assessment of water resources. By developing 4D movie animations within ArcScene™ software to illustrate real-world historical flooding conditions, or using lidar and ArcGIS Online web scenes to communicate the hazards to a wide audience, the firm is dedicated to using GIS to communicate clear and easy-to-understand technical information. It leverages Esri's ArcGIS Online platform as a project collaboration tool for use internally and with clients, regulatory agencies, and other public stakeholders. ArcGIS Online provides an intuitive workspace to share information with anyone at any time to make informed decisions with the best available data.

LandWorks, Inc.

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LandWorks, Inc., is the leading provider of land asset management solutions that are fully integrated with Esri GIS technologies. The LandWorks Property Management (LPM) system manages any kind of land right, including easements, rights-of-way, surface leases, permits, and deeds. It also manages water rights. LPM allows water resource companies to better manage their land assets, which support their daily operations. Land records can easily be retrieved, analyzed, and reported by the facility they support; reports can include owner names and addresses, ingress and egress rights, lease expiration dates, payment information, and other time-sensitive obligations. LPM can interface with any accounting system for managing payables and receivables related to various land rights. LPM interfaces with any facilities management system, making it easy to associate land rights with the facilities on which they are installed. Further, LPM can interface with any document management system or directly to images stored on a file server, making scanned images of land rights easily retrievable from both LPM and the GIS.

The LandWorks GIS suite provides a complete solution for cost-effective digitizing, maintenance, analysis, and reporting of land-related polygons. Both file geodatabases and ArcGIS for Server Basic are supported and live-linked to LPM records. ArcGIS for Server web maps are embedded in LPM screens at both the agreement and tract levels, and regional web maps are fully integrated with LPM records, allowing the user to jump back and forth between the overview maps and the land records information. The LandWorks AutoMapper, one component of the GIS suite, is capable of reading any type of US or Canadian textual legal description and accurately creating up to 90 percent of the related land boundary polygons, thereby significantly reducing manual mapping costs. Furthermore, the system tracks revisions to the land records and will automatically correct or remap polygons when legal descriptions change. LandWorks GIS Toolbox provides advanced spatial analysis and reporting capabilities for both ArcMap™ and web-based ArcGIS for Server. Manholes, pump stations, and waterline identifiers can easily be used to query their associated land rights. All land records data may be queried and displayed with more than 90 reports that can be run directly from the GIS.

The full range of spatial data digitizing/conversion and GIS staff augmentation services provided by LandWorks facilitates a seamless software implementation. In addition, LandWorks provides abstracting and data entry services to convert scanned images of land rights documents into LPM attribute data.

The LPM and LandWorks GIS product suites provide the ultimate functionality to complement Esri's GIS technology for the water resource industry. To learn more, visit www.landworks.com. LandWorks is proud to have received Esri's Foundation Partner of the Year Award twice and maintains the status of Esri Gold Tier partner.

Lucity

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Lucity's purpose is to forge and strengthen the connections that make the customer's job—and life—easier. The company's best-of-breed software solutions provide highly developed tools that help organize and manage data, integrated with GIS to provide the advantages of thinking and working geographically. Lucity is an Esri Gold Tier partner. Lucity solutions for GIS integration support ArcGIS 10, 10.1, and 10.2 for Desktop; ArcGIS for Server; ArcGIS for Windows Mobile; ArcGIS Runtime; ArcGIS for Local Government; and ArcGIS Online. As a company, Lucity comprises industry specialists who also happen to love a challenge. What does that mean for customers? Lucity listens to what they really want and develops creative solutions instead of fitting their problem into a box.

Since the 1980s, Lucity has focused on developing creative solutions that respond directly to the issues clients face. Today, the company provides a complete, integrated computer maintenance management system (CMMS) and supports the asset and maintenance management needs for hundreds of agencies and thousands of users nationwide, including the following:

- Asset management: Store, manage, and maintain accurate asset records
- Planning and analysis: Transform data into actionable intelligence
- Field mobility: Manage flow of information into and out of the field
- Operational awareness: Disseminate knowledge where and when it's needed
- Shareholder engagement: Share critical information with your stakeholders

Lucity offers a variety of interoperable user interfaces to best support users based on their specific workflows, including the following:

- Configurable and robust web, desktop, and mobile applications
- Personalized dashboards, data views, and input forms
- GIS maps via Esri ArcGIS integration

The Lucity mobile solutions extend asset management, work order management, and GIS integration capabilities to the field through the use of smartphones, tablets, and native Android and iOS applications.

Lucity is all about giving its clients opportunities. Its applications for interfacing with external data collection systems include inventory bar coding, pipeline CCTV inspection, equipment SCADA, and fleet fueling. The company also provides a REST API, facilitating development of interfaces and integrations with other software systems including financials and utility billing.

An agency's self-sufficiency is part of Lucity's mission, and the company makes it easy for clients to sustain their CMMS with Lucity's configuration and administration capabilities. Lucity's modular design allows clients to choose solutions that meet their specific needs, while flexible licensing options enable them to "right size" their CMMS to the user capacities required for each solution. Lucity puts the power of knowledge in clients' hands by providing extensive documentation, including online help, administration and user manuals, data dictionaries, training guides, and tutorial videos with open access to databases. Lucity makes it a priority to use the most modern software technology during development, and the company continually improves its solutions through semiannual version upgrades and quarterly service pack releases.

Providing clarity through connections. That—and the client's ultimate success—are missions Lucity is passionate about.

Silver Partners

ARCADIS

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ARCADIS is a premier international consultancy, design, engineering, technology, and management solutions company that is active in the fields of infrastructure, water, environment, and buildings. With more than 125 years of experience in more than 100 countries worldwide, ARCADIS is aware of the lasting effects of its work. By integrating its understanding of the built environment and the natural world, ARCADIS meets user needs with comprehensive business solutions.

ARCADIS excels in understanding the engineering and GIS needs of its clients. One of the company's goals is to appropriately integrate the GIS world with the engineering environment to produce a quality product that meets user information and design needs. Specific GIS-related services include

- Integrated water resource management, water/wastewater/stormwater master planning, permitting, and rate studies.
- GIS needs assessment; implementation planning, design, and development; as well as geodatabase modeling and data migration to support multiuser editing with versioned geodatabases.
- ArcGIS for Server web-based application development and project-based hosting.
- Applications development for stand-alone, enterprise-wide, and mobile GIS deployments.
- Support and guidance in integration with other software applications such as CMMS, CIS, CIP, hydraulic, hydrologic, and groundwater models.
- GIS data development (collection, conversion, and analysis) for real-world problems.

From program management to construction management to engineering, design, and specialty consulting services, ARCADIS technical experts have guided thousands of public and private clients to successful project outcomes. GIS technology is just one of the advanced tools that enable its technical teams to deliver on-time and on-budget performance and help clients make better decisions that benefit commerce and the community.

Atkins

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Atkins is a leader in tackling tough water resources challenges by taking advantage of the latest GIS and geospatial web services technologies. The company's side-by-side alignment of IT and water subject matter experts ensures that Atkins clearly understands and addresses its clients' needs. The company supports water resources clients ranging from water districts to federal agencies. With 15 years as an Esri partner, including a Partner of the Year Award based on its combined services to the Federal Emergency Management Agency (FEMA) and water management districts, Atkins supports clients for the long view while understanding the need for quick wins to build and maintain support for innovation.

Atkins' solutions address a wide variety of technology applications in the water industry, including strategic planning, asset management, program management, and decision support solutions. Within these areas, the company brings expertise in business case development, risk assessment, data collection, mobile application development, data migration, software development, and system integration. Atkins' solutions are meeting the latest generation of water-related challenges, including impacts of climate change, integrated basin management plans, flood risk analysis, emergency management plans, and complex work programming to carefully balance capital and maintenance expenses within tight fiscal constraints. Atkins also offers a robust commercial hosting capability and supports knowledge transfer to support clients in establishing and maintaining their own enterprise systems.

Atkins solutions for water resources include the following:

- Atkins Flood Map product suite—Providing the flood-risk determination industry and FEMA with the leading tools and data services to map and convey flood risk:
 - Flood Map Desktop—FEMA RiskMap creation tool (www.floodmapdesktop.com)
 - Flood Map Mobile—Free app for mobile access to flood-risk data
 - Flood Map Data—A comprehensive web service providing FEMA, NOAA, and Atkins flood risk and hazard datasets, USGS gauge data, and more
 - Flood Map Manager—Web-based map and model management linking flood-risk areas to underlying flood models, plus guided workflows for model update, review, and map maintenance
 - Flood Map Online—Supporting FEMA Cooperating Technical Partners and their constituents with browser-based access to flood-risk data and custom reports
- Atkins Watershed Planning product suite—A growing library of web-based tools supporting comprehensive watershed planning:
 - Atkins Landcaster—Calibrated population projection tool that forecasts changes to land use at the parcel scale, with weighting coefficients calibrated to historic growth patterns
 - Atkins Stormcaster—An integrated forecasting tool for projecting local impacts of climate change on size and frequency of major storms; provides access to an underlying ensemble of global circulation models and detailed historic rainfall records for the United States (Rainfall data can also be supplied by the user.)
 - Stormwater BMP Designer—Online guided tool designed for agencies to encourage stormwater best management practices (BMP), review and permit installations, and capture cumulative impacts; uses local or national BMP databases to guide users through selecting, sizing, and placing BMPs

Atkins makes it possible by putting well-known subject matter experts alongside highly experienced information technology teams to plan, design, and enable water resources information systems that dynamically address the full range of water resources challenges. Call us to talk about the challenges you are facing and see how we can help you meet them.

Black & Veatch

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Black & Veatch is an employee-owned, global leader in building critical human infrastructure in energy, water, telecommunications, and government services. Since 1915, the company has helped clients improve the lives of people in more than 100 countries through consulting, engineering, construction, operations, and program management. The US\$3.3 billion company's approximately 10,000 professionals work out of more than 110 offices worldwide.

Black & Veatch provides engineering and information management solutions from a broad line of service expertise, including conceptual/preliminary engineering, engineering design, procurement, construction, asset management, information management, environmental oversight, program/construction management, management consulting, and infrastructure planning. Of the top 500 design firms, Black & Veatch consistently ranks in the top 10 in the water industry.

An Esri partner for more than 20 years, the company's global GIS/information management professionals provide innovative data management and spatial analytics for all aspects of project engineering and client support. It establishes solutions that provide clients with easier ways to organize the large volumes of spatially enabled data associated with the following:

- Master planning
- Asset management
- Capital improvement planning
- Rehabilitation/Repair prioritization
- Site and route selections
- Alternative energy assessment
- Modeling
- Systems integrations
- Land acquisitions and permitting
- Web-based project collaboration and management dashboards
- Other implementation consulting efforts

Black & Veatch provides the full range—from concept through commissioning—of water resource services, including water supply, resource protection, flood control, and water and wastewater treatment. Its professionals specialize in the use of GIS and computer models to evaluate complex systems in areas such as stream restoration, source water protection, aquifer yield, receiving stream water quality, reservoir and stream yield, flood management, and conjunctive use. Likewise, its GIS and infrastructure planning professionals leverage the latest tools and processes in assessing water collection and distribution network systems for quality, capacity, energy efficiency and asset longevity.

Brown and Caldwell

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Headquartered in Walnut Creek, California, Brown and Caldwell is a full-service environmental engineering and consulting firm with 45 offices and more than 1,500 professionals across the country. Brown and Caldwell has become a force for advancing innovation in the rapidly evolving area of water resources. To provide services ranging from integrated basin planning and master drainage plans to innovative total maximum daily load (TMDL) strategies and stormwater permitting and compliance, the firm employs top industry talent, many of whom are recognized regionally and/or nationally for helping to shape water resources policy and response and for technical and scientific leadership. And because they work side by side with engineers and technical staff in many other disciplines—like potable water and wastewater treatment, infrastructure and asset management—the company's people bring uncommon depth and perspective to every project.

Brown and Caldwell has been an Esri partner for more than 15 years, with experience implementing and integrating GIS with enterprise systems for environmental management, asset management, maintenance management, and hydrologic and hydraulic modeling. Brown and Caldwell's GIS services include the following:

- Needs assessment
- Enterprise GIS design and implementation
- Data conversion
- Geospatial analysis
- Mobile GIS data collection and deployment
- Application development
- GIS maintenance program development

Recent solution highlights include the development of an ArcGIS for Desktop extension called WIP Tools that engineers use to evaluate the impact of various watershed improvement scenarios in order to develop prioritized watershed Capital Improvement Plans (CIP).

Contour Innovations, LLC, DBA ciBioBase

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ciBioBase is a cloud-based and automated GIS software used by a wide range of industry professionals and citizen scientists to analyze lake vegetation and other important water quality characteristics over time. Data is collected passively using Lowrance HDS depth finders. This data can then be uploaded to a user's account online. This software automatically creates detailed reports and maps with objective metrics to help users track water depths and volumes, aquatic vegetation abundance changes, bottom hardness, and many other critical factors that help users manage water quality and aquatic habitats. It's easier than ever to establish a lake baseline so users can monitor changes and respond with recommendations to improve water quality over time. ciBioBase removes the costs and technical skills required to gather, process, and manage the important aquatic habitat and related water quality data necessary for management and monitoring over time. With the ciBioBase polygon selection tool, users can select specific areas of the map to analyze and automatically calculate percent area covered (PAC), average plant BioVolume, surface acreage, average and maximum depths, and water volumes in acre feet and cubic meters. This feature is great for habitat assessments or National Pollutant Discharge Elimination System (NPDES) reporting and permitting. All data generated is an objective, repeatable output that can be used for management decisions and long-term monitoring programs. All datasets are exportable so that data can be replicated using Esri products and features for additional analysis.

DHI

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What makes DHI special is its global knowledge of water environments. This knowledge is being created globally by staff in more than 30 countries, together with highly qualified partners, thousands of MIKE users, and other DHI clients.

What makes DHI unique is its quest to make this knowledge accessible worldwide. DHI is a not-for-profit organization that has no shareholders, so profits are rechanneled into more research and development every year. Stakeholders are the users of DHI's knowledge and products, and the company has no other goal than to create more knowledge and to make it accessible to its stakeholders and the world.

MIKE by DHI software for modeling water has made knowledge of water environments accessible to water professionals around the globe for more than 25 years. After 25 years of development, the MIKE product family encapsulates more knowledge and covers a wider range of water modeling needs than any similar product.

Among the MIKE products, MIKE FLOOD and MIKE SHE cover the entire water cycle, from rainfall to rivers and groundwater to advanced flood modeling. The products include modules for river morphology, water quality and ecology, and many other aspects of water resources engineering. With the easy links to Esri software, MIKE products are the water resources modeling tools preferred by many Esri users.

MIKE products are available in many sizes, flavors, and languages—and, most recently, in the cloud. Getting access to DHI's global knowledge has never been easier than today!

DHI Academy embraces all of DHI's global training and knowledge sharing activities. Every year, thousands of water professionals participate in training or knowledge sharing activities organized by DHI. The company's standard courses—run by its certified trainers—provide a direct route to more knowledge about water environments and to improved skills in the use of the MIKE by DHI tools. Moreover, DHI's user group meetings and seminars are famous for bringing professionals together for knowledge sharing in a relaxed and inspiring environment.

The company's software products and water environment experts are the keys to making its knowledge accessible. Users are encouraged to come and meet the staff at one of DHI's frequent user meetings and meet hundreds of other water professionals who are keen to share and build more knowledge of water environments. DHI hopes to see or hear from users who want access to global knowledge or to join the company in solving challenges in water environments!

Environmental Engineering & Contracting, Inc.

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Environmental Engineering & Contracting, Inc. (EEC), is a national environmental consulting firm specializing in wastewater, stormwater, regulatory compliance, soil and groundwater assessment and remediation, and technology services. The firm boasts a complete lineup of water resource/wastewater professionals with technical expertise and key professional registrations, certifications, and licenses, many of which are held in multiple states.

Water Resource Evaluation and Modeling

A common problem faced by clients in the arid western states and urban settings is the need to develop adequate water supplies without significantly impacting other water resources. EEC's water resource evaluations range in scope from reconnaissance surveys of the geology, geophysics, and surface and groundwater resources of an area to the development of complex, three-dimensional models to analyze the interaction of groundwater withdrawal and recharge in an aquifer system.

Water Supply Development

EEC professionals have developed water supplies for municipalities and industries in geologic environments ranging from shallow alluvial basins to fractured rock aquifers extending to depths of 2,500 feet. Water supply development programs are designed to achieve the best possible combination of a well's performance, usefulness, and reasonable cost. EEC's water specialists evaluate local water resources, identify the best potential well locations, design and implement drilling and development programs, and design pumping and conveyance systems for water supply.

Well Rehabilitation Programs

Declining well performance is usually caused by corrosion or encrustation of the well screen or by plugging of the formation around the well screen. Faulty well construction or insufficient development can also contribute to reduced capacity. EEC has designed and supervised successful well rehabilitation programs for municipal and industrial clients. Recovered production capacity has frequently eliminated clients' need to replace wells or add water supply wells, while the increased well efficiency reduced operational costs.

Groundwater Management Plans

EEC engineers design groundwater management plans to guide efficient management of basins as groundwater reservoirs, maximization of current water supplies, long-term water supply planning, and water quality monitoring. EEC staff work closely with the client to obtain necessary field data and integrate the client's existing data into a comprehensive database, then provide blueprints for optimal resource management that can be efficiently implemented in phases.

Wastewater Services

EEC's chemists, biologists, civil engineers, and chemical engineers come with in-depth understanding of wastewater processes and capabilities to develop cost-effective and practical engineering solutions for clients in the following areas:

- Sampling and feasibility studies
- National Pollutant Discharge Elimination System (NPDES)/Industrial discharge permitting
- POTW local limits development and analysis

- Industrial and municipal wastewater characterization
- Treatment process evaluation and selection
- Facility design and process optimization
- Discharge limit negotiations and permit modifications
- Industrial pretreatment program development and training
- Project and construction management
- Wastewater collection system and distribution system evaluation

Sewer Collection Systems

The prevention and management of sanitary sewer overflows have become a primary focus for many cities and wastewater agencies. EEC is leading the charge with the development of sewer system management plans and is a national authority on developing and implementing fats, oils, and grease (FOG) control programs. Recognized by the US Environmental Protection Agency (EPA) and the Water Environment Federation as a pioneer in the field, EEC has a solid reputation for developing successful FOG control programs and a range of programs and technical solutions.

Stormwater Compliance

EEC's stormwater compliance services span stormwater pollution prevention plan development, urban runoff treatment technology analysis, illicit discharge investigations, NPDES compliance inspection services, EPA Phase II plan development, and stormwater sampling.

EEC is a Class A General Engineering Contractor and holds Hazardous Substance Removal Certification in the State of California. EEC headquarters are located in Santa Ana, California, with regional offices in Oakland, California, and Annapolis, Maryland.

Freese and Nichols

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Freese and Nichols is a full-service professional consulting firm and the first engineering/architecture firm to receive the Malcolm Baldrige National Quality Award. With offices in Texas and North Carolina, Freese and Nichols provides services in engineering, architecture, environmental science, planning, construction services, and energy and program management. The firm serves a variety of clients in the municipal and county government, water supply and treatment, education, transportation, and private sectors, and it is increasing its services and capabilities to meet the demands of the growing industry.

Founded in Fort Worth in 1894, founder Major John B. Hawley became one of the first independent consulting engineers in Texas for water and sewer work. From those humble beginnings, the organization has grown and accumulated an accomplished staff, all dedicated to the same vision: be the firm of choice for clients and employees.

Freese and Nichols utilizes spatial analysis and GIS data for successful management of critical project information. The firm's GIS staff creates custom GIS applications for clients. Its services include needs assessments, data collection and asset management, implementation plans, databases, Internet technologies, system integration and architecture, and user training.

Freese and Nichols is one of the nation's leading water resources firms, nationally recognized for projects in water supply, water transmission, and dam design and rehabilitation. It provides water resources services to clients across the Southeast United States in water supply, distribution, storage, and planning.

For more information about Freese and Nichols, visit www.freese.com.

GeoData Modelers, Inc

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GeoData Modelers, Inc, provides Esri consulting services for water resources clients, helping clients integrate key mapping data and analysis into one manageable system.

With instant access to a centralized, secure GIS database from a browser, tablet, or smartphone, users have the insight they need for effective groundwater analysis, watershed and flood management, and permitting for water rights and land access.

The company's experienced staff starts by providing initial technical consultation and design planning to create a "blueprint" with clear business objectives. GeoData Modelers delivers GIS as a single mapping platform—servers, desktops, and mobile devices quickly supporting clients' employees with the most current information—wherever they are working.

GeoData Modelers offers a range of services including

- On-site GIS analyst staffing
- SQL Server geodatabase design and management
- GIS for managing water resources on a local or regional scale
- Web-based viewer and tablet/smartphone development
- GIS integration with related business systems

Joseph Spollen, the president of GeoData Modelers, Inc, has managed numerous GIS and database management projects to support engineering and environmental information analyses over the past 20 years. An Esri partner since 2004, GeoData Modelers will design and build a scalable GIS that will grow with the client's organization and utilize the most current Esri technology.

Geo-Spatial Solutions, Inc.

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Geo-Spatial Solutions, Inc., delivers web and mobile mapping applications to agricultural water districts and rural water providers. The company's flagship product—GISDirect—is a complete turnkey mapping platform that delivers land, asset, and water-related information as a low-cost, subscription-based service.

In addition to the company's cloud-based offering, Geo-Spatial Solutions provides a wide range of professional services that aim to advance the use of geospatial information and Esri software-based technologies by and for water districts throughout the 17 western United States.

Geo-Spatial Solutions was founded in 1998. An Esri partner since 1998, the company operates out of Bend, Oregon. The company's software as a service (SaaS) offering can be purchased through the GISDirect Partner Network or on the web at www.gisdirect.com.

i-cubed, LLC

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i-cubed, LLC, is an Esri Silver partner offering enterprise geospatial data acquisition and content management solutions for commercial and government clients, including water resource management and related engineering services. The company offers a full range of products and services, including satellite imagery, mosaic basemap imagery, image processing to customer specifications, analysis, and distribution. Applications include visualization, exploration, and engineering, as well as environmental and critical infrastructure monitoring.

The i-cubed application platforms leverage Earth imagery, map data, and rich geospatial media from ground-based and aerial data collection activities. The company provides imagery, lidar, and map data archive management through its cloud-based DataDoors platform. This is complemented by GAME, the company's geospatial asset management environment for centrally and geographically documenting facilities and infrastructure. Both DataDoors and GAME complement and seamlessly integrate with Esri ArcGIS for Desktop and ArcGIS Online.

Infor

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Infor is fundamentally changing the way information is published and consumed in the enterprise, helping 70,000 customers in 194 countries improve operations and quickly adapt to changes by industry. Infor offers deep, industry-specific applications and suites engineered for speed with an innovative user experience design that is simple, transparent, and elegant. Infor provides flexible deployment options that give customers the choice to run their businesses in the cloud, on-premises, or both.

Infor provides enterprise asset management, permitting, customer relationship management, financial management, utility billing, and other related enterprise software solutions for public and private sector water, wastewater, stormwater, and water resources organizations worldwide.

JMT Technology Group

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JMT Technology Group is a progressive geospatial and information technology services provider that assists a variety of industries to solve complex business challenges through the use of web, desktop, and mobile technologies. The company helps clients access and visualize their data, making it possible to answer questions that would otherwise not be possible. JMT Technology Group's industry experience allows its clients to receive more immediate and measurable return on investment through the company's ability to facilitate a proven, collaborative process that ensures the best solution for each unique challenge.

Extensive experience with the water, wastewater, and stormwater industries has given the company a thorough understanding of the geospatial needs of public utilities. The JMT Technology Group team has developed applications leveraging Esri's tools and resources to build configurable solutions, enabling users to quickly and accurately locate utility features and solve infrastructure challenges. The company works with stakeholders and clients to design and implement water and sewer utilities solutions that offer easy access to current information and tools for improved business operations and management.

JMT Technology Group is dedicated to using the most innovative and proven technologies available. Its collaborative and dependable team of technology experts strives to make a difference by providing high-quality work coupled with an unparalleled commitment of service to its customers.

Johnson Engineering

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At Johnson Engineering, the water resources group is composed of specialized teams to provide clients with surface water management, water quality studies, and water supply services. The company's team of professional engineers, scientists, and geologists is specifically dedicated to the analysis, design, and permitting of the ecological and water management aspects of projects. The specialized nature of its teams allows Johnson Engineering to stay knowledgeable on current regulations and advancements to better assist its clients.

Established in 1946, Johnson Engineering has a team of nearly 100 professional engineers, ecologists, scientists, geologists, surveyors and mappers, certified land planners, and landscape architects throughout Florida. The company's extensive list of well-known Florida roads, shopping centers, schools, hospitals, residential communities, resorts, and commercial developments shows Johnson Engineering's continued responsibility in developing Florida's communities. Its team provides engineering design for land development, land planning and landscape architecture, utilities improvements, transportation design, and construction observation and inspection. The company's surveying and mapping group specializes in subsurface utility location and mapping SUE, transportation surveying, hydrographic surveying, and geographic information systems, and its water resource management group provides environmental consulting, surface water management, water quality studies, and water supply services. Johnson Engineering has offices in Fort Myers, Naples, Port Charlotte, LaBelle, Sebring, Clewiston, Pembroke Pines, and Land O' Lakes.

The company's water resources team provides the following:

Surface Water Resources

- Surface water master planning
- BMP selection and design
- Surface water retrofit
- Hydrologic, hydraulic, and water quality modeling
- Federal, state, and local surface water permitting
- Flow and stage monitoring

Water Quality Studies

- Stormwater/Surface water quality studies
- Groundwater quality studies
- Estuarine/Coastal water quality studies
- Subaqueous sediment characterization
- NPDES compliance monitoring
- Filter marsh efficiency evaluation
- TMDL pollutant loading determination
- Turbidity monitoring

Groundwater Resources

- Hydrogeological investigations
- Water resource assessments
- Water use and water supply system permitting
- Well and well field design
- Regional water supply planning
- Borehole logging and geophysical evaluation
- Deep injection well permitting and mechanical integrity testing
- Groundwater modeling
- Florida Public Service Commission certification
- Alternative water supply/reclaimed water feasibility study, permitting, funding, and system design

Jones Edmunds & Associates, Inc.

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Jones Edmunds & Associates, Inc., focuses on water resource management applications and analyses that help the company develop innovative solutions for its clients' needs. Underlying all of its water resources services is the company's GIS expertise. Jones Edmunds has some of the most GIS-proficient engineers, analysts, and scientists in Florida as part of the company's water resources project teams, allowing it to offer and apply a broad awareness and well-rounded perspective to clients' unique water resources needs.

Jones Edmunds' approach to geospatial technology can help with water resources planning as well as water use and conservation. The firm facilitates tasks such as the needs assessment, data development, modeling, and analysis needed to prioritize objectives and streamline the decision-making process.

Jones Edmunds is a multidisciplinary consulting engineering firm. Since 1974, Jones Edmunds has strived to improve the quality of life by providing environmental and infrastructure solutions through the innovative and intelligent application of engineering and science.

KISTERS

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Bringing spatial and temporal data together for effective water resources management decisions has always been at the forefront of KISTERS and its clients' minds. KISTERS has developed a market-leading solution for the management of this data called WISKI. Applied to organizations of any size, WISKI excels at managing massive amounts of time series data with ease while giving clients access to integrated modules for water quality data, alarming, data acquisition, task scheduling, modeling, and GIS mapping.

Since 1987, WISKI has been used by all levels of government and many private organizations around the world in support of a number of different initiatives. These include flood forecasting and warning, drought monitoring, snow and ice monitoring, coast guard operations, groundwater monitoring, water and wastewater treatment, agricultural monitoring and irrigation, dam safety and operations, urban hydrology, and climate change monitoring. With three options for integrating KISTERS with Esri technologies, KISTERS truly offers clients the ability to bring space and time together for water resources management.

Midland GIS Solutions

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Midland GIS Solutions is an industry leader in providing comprehensive GIS and GPS services for the management of water resources to municipalities, utility companies, state agencies, and many private sector organizations. As a full-service GIS firm, Midland offers "field to finish" utility and resource management solutions, from GPS data collection and GIS mapping services to geospatial analysis and data creation for modeling.

Through a range of services, Midland provides GPS field services, condition assessments and inspections, GIS data development, and web-based and mobile GIS solutions to its diverse clients.

Water resource solutions provided by Midland GIS Solutions include

- Floodplain mapping
- Integration of environmental data
- Data preparation for hydrologic and hydraulic modeling
- Watershed mapping
- Sanitary sewer overflow (SSO) mapping
- Data analysis

Midland GIS Solutions has GPS located and mapped thousands of sanitary sewer and stormwater utility features for combined sewer overflows (CSOs) and has assisted numerous municipal clients with municipal separate storm sewer systems (MS4) and watershed mapping, geospatial data analysis, and runoff calculations.

Mobile311, LLC

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Mobile311 is a full-service GIS solutions company serving the private and public sectors. Its highly qualified staff are specialists in database development, application development, and enterprise GIS implementation. In addition to providing individualized consulting for clients, Mobile311 has also developed a complete line of software as a service (SaaS) GIS applications to support the needs of all GIS departments.

The company's work order and field management product is Mobile311, an SaaS solution for field-workers and managers alike. The application assists water resources field-workers with inventory and maintenance of all utility features. Mobile311 provides a platform for data capture that includes custom forms, linked photos, and GIS asset ID association. Work orders can be viewed and managed on a mobile device or through the web-based management system. Mobile311 can also directly integrate with CityWorks or other work order management systems. Mobile311 leverages GIS data to create efficiency and assists with improving and tracking performance measures. Mobile311 can be used to quickly locate, photograph, and document illicit discharges that affect water quality. In fact, Mobile311 can manage the entire water quality monitoring process from data collection to scheduling and bar code scanning of samples.

Mobile311's highly configurable, web-based GIS viewer solution is ConnectGIS. While ConnectGIS has been used by local governments to serve tax mapping information to the public for over a decade, water resources departments are now realizing the value of having their data accessible through a secure web interface. Imagine having all stormwater as-built plans scanned and hyperlinked to the representative assets in the utility network and then being able to access that information in the field on a smartphone, tablet, or laptop with a simple click. ConnectGIS is fully configurable to meet customers' needs and utilizes their existing Esri geodatabase to keep their field- and office workers up-to-date with the latest GIS information.

Mobile311 can provide the work force and expertise to ensure a successful end product for organizations that need

- GIS dataset creation from as-built data
- Field GPS inventory
- GIS dataset maintenance
- Mobilization of work order system
- Web-based access to GIS data

Mobile311 becomes an extension of its clients' staff by providing programmers, utility inventory specialists, database design experts, and enterprise GIS implementers.

MSA Professional Services

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As a full-service consulting firm, MSA Professional Services is all about helping communities solve the multifaceted challenges they face. Its GIS team guides clients through the process of developing and implementing asset management solutions. The firm begins the process by conducting a needs analysis study, evaluating the feasibility of developing and maintaining a system that suits the client's specific needs.

MSA Professional Services' GIS professionals draw from the expertise of its in-house water resources experts to gain a full understanding of the issues its clients face, then develop GIS solutions that comprehensively address those issues. The firm's GIS expertise lies in the development of web-based systems based on Esri ArcGIS for Server. MSA Professional Services provides needs assessments, database design, application development, data conversion, program management, and user training.

R.A. Smith National, Inc.

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R.A. Smith National, Inc., is a multidisciplinary consulting engineering firm. As an Esri Silver Tier partner, the company provides enterprise-wide GIS services that include needs assessment and implementation; desktop, web, and mobile application development; geospatial system design and integration; database design; and data management (collection, migration, analysis, and reporting). R.A. Smith National has extensive experience in providing successful GIS solutions. Each GIS-based solution is tailored to the client organization, whether public, private, or institutional. The firm strives to empower clients through training so they maintain control over the technology at project completion and beyond. R.A. Smith National's comprehensive services include civil engineering, water/wastewater, water resources engineering/stormwater management, structural, surveying, construction services, ecological services, landscape architecture, irrigation design, GIS, visualization and 3D laser scanning.

RESPEC

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RESPEC is a professional consulting and services company specializing in the application of technology to solve problems. The employee-owned firm has been in business since 1969 with offices in Rapid City, South Dakota (headquarters); Albuquerque and Carlsbad, New Mexico; Cheyenne, Wyoming; Denver, Colorado; Boise, Idaho; Bozeman, Helena, and Missoula, Montana; Minneapolis, Minnesota; Rochester, New York; and Orlando, Florida. RESPEC is composed of three divisions—Mining and Energy; Water and Natural Resources; and Information Technology—and includes approximately 175 employees. RESPEC uses ArcGIS for Desktop and ArcGIS for Server throughout its divisions to provide custom GIS solutions for its clients.

RESPEC is composed of engineers, scientists, and information technology professionals with a complementary range of expertise that allows comprehensive analysis in various applications through data collection, database development, GIS, and mathematical modeling. The company's goal is to combine science, GIS, and information technology to develop integrated, scalable, and cost-effective solutions for its clients. RESPEC uses ArcGIS for Desktop and ArcGIS for Server extensively for these solutions.

RESPEC uses GIS routinely to understand, analyze, and interpret biological and physical habitats, geomorphology, hydrologic and hydraulic data, water quality, socioeconomic factors, mining and energy data, and many other data types. The company is also experienced at data integration and works with clients to

integrate existing datasets into one geodatabase. RESPEC designs geodatabase schema to meet client data needs and develops import tools to integrate non-GIS data into a geodatabase. RESPEC uses Microsoft SQL Server, Oracle, Sybase, and Informix.

RESPEC has also managed the design and deployment of ArcGIS for Server web maps for clients to simplify the visualization and analysis of location-based data. The company's clients experience near real-time access to data, reporting services, data quality control and editing features, multiple-role security levels, data edit/delete tracking log capabilities, and integrated analysis using these web maps.

Sanborn

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Sanborn is a twenty-first century industry leader in geospatial solutions and technology, offering superior services, program management, and customer support. For its clients, the company provides a national presence, extensive resources, quick responses, and exceptional value. For over a century, Sanborn has been a leader in the geospatial industry, with successful projects delivered worldwide.

Sanborn first gained recognition for richly detailed fire insurance maps containing such valuable information that they're still widely used today. The company has mapped approximately 12,000 communities across the United States and archived more than one million Sanborn maps.

Today, Sanborn continues to set the standard for industry excellence, and the Sanborn name is synonymous with high-quality geospatial products and services. The company's longevity is directly attributed to its ability to offer focused product and service solutions to many markets and customer types.

At the core of Sanborn's business is a team of dedicated, accredited professionals—experts with proven industry success. For every service and product it offers, Sanborn has a team with the necessary experience to ensure the best results.

Every Sanborn product and service is designed and managed with the customer in mind. Certified project managers give each assignment the utmost in individual attention and expert supervision. In addition, customers are involved in the ongoing project management process with real-time, online project tracking. Because of this customer-oriented focus, Sanborn is a dominant force in the mapping industry. Among its product and services offerings are the following:

- Orthoimagery—Aerial lidar
- Mobile lidar
- Oblique imagery—3D visualization/3D buildings
- Stormwater management
- Cadastral mapping
- Land-use/Land-cover mapping
- Change detection mapping
- Transmission corridor mapping
- Decision support tools/software development
- Data analysis
- Wildland fire mapping

Sanborn products and services have allowed customers to view, understand, question, interpret, and visualize data in ways that reveal relationships, patterns, and trends. The end-user maps, globes, reports, and charts help customers answer questions and solve problems by providing and analyzing data in a way that is quickly understood and easily shared. In addition, Sanborn's core remote-sensing technology allows the company to develop a broad range of geospatial solutions for clients around the world.

Shafer, Kline & Warren

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Shafer, Kline & Warren (SKW) designs communities by offering clients a full range of professional consulting services at local, regional, and national levels. The company's complementary disciplines are consistently delivered with a high level of professional assistance and attention to client needs. Since 1950, SKW has helped clients succeed by executing projects, managing costs, and controlling schedules.

Forming Partnerships. Delivering Results.

At SKW, clients are considered to be valued partners. By treating clients as partners, the results are noticeably different and understandably remarkable. SKW is staffed with problem solvers that have a reputation for providing personal service and delivering projects on time and within budget. The range of services offered to clients, combined with years of experience, enable the delivery of lasting results.

Water Resources

The supply of safe, clean water that serves entire communities and individual homes requires SKW's ability to plan and design systems that operate efficiently while maintaining adequate water quality. SKW designs and develops water system infrastructure ranging from simple waterline extensions to complex treatment plants. The company works hand-in-hand with private and government agencies to satisfy clients' needs while achieving compliance with state and federal regulations. SKW's water services staff concentrates on listening to clients' needs to develop innovative engineering solutions for cities of all sizes as well as rural and wholesale water districts.

Designing wastewater collection and treatment facilities that efficiently operate to their optimum capacities is the ultimate goal SKW strives to achieve. The company understands that the amount of money spent on a wastewater system is a significant community investment. It is SKW's responsibility to provide consulting services that maximize those funds through the delivery of sound and reliable plans for collection, pumping, and/or treatment system improvements. SKW manages projects by paying close attention to detail while adhering to budgetary limitations and maintaining a competitive sewer rate.

Water Services

- Facilities planning/master plans
- Engineering reports
- Water supply (including wells)
- Treatment systems
- Water towers/storage facilities
- Distribution systems

- Pump/booster stations
- Chemical feed system design
- Hydraulic modeling/system analysis
- Upgrading existing systems/operations
- System SCADA/controls
- Geospatial services using ArcGIS
- Compliance consultation
- Water loss/Unaccounted water analysis
- Rate studies and budget analysis
- Hydraulic analysis/design
- Water district assistance/design
- Owner supervised programs (MDNR)
- Construction administration
- Geographic information systems

One of the most important applications of today's rapidly changing digital world is the ability to electronically document the existence of spatial information. The creation of a GIS, based on geographic coordinates, helps efficiently integrate this spatial data into a single, cohesive system for use in planning, mapping, and infrastructure design.

Integrating geographic information requires the ability to identify a client's current system needs and recognize opportunities for future expansion. By analyzing workflows and end-user needs, SKW can design and implement a GIS to best fit client goals. SKW's geodatabase experience benefits clients desiring to upgrade existing systems for their changing needs.

SKW customizes services to the unique needs of its clients. Its ArcGIS application experience includes the development of custom applications using ArcGIS for Server and ArcGIS for Desktop as well as extensions allowing pipe hydraulic modeling to be performed within the GIS system map. Through strategic alliances, the company is also an authorized distributor of Esri software, which allows clients to receive personalized setup, sales, and support from a local representative.

Critical to the success of a geodatabase is providing adequate training and support for system users. SKW helps clients achieve long-term success in their GIS by developing user-friendly training sessions and support materials, which are tailored to include the client's own data. This customization helps both casual users and internal specialists get the most out of their system's capabilities.

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Since 1983, Taylor Engineering, Inc., has focused its attention on water-related issues and the effects of water resource activities on the environment. Today, Taylor Engineering, a Small Business Administration (SBA) and General Services Administration (GSA) schedule holder, takes on projects that cover the spectrum of water-related issues.

Taylor Engineering's capabilities include

- GIS analysis, mapping, and reporting
- Database design and development
- Application development
- Hydrologic, hydraulic, and hydrodynamic modeling
- Coastal surge and wave modeling
- Floodplain management and flood control

Taylor Engineering's staff comprises registered engineers, scientists, programmers, GIS analysts, IT personnel, and technical editors. Their educational and professional experience encompasses the disciplines of civil, coastal, environmental, water resources, and port engineering; marine biology and chemistry; and GIS and computer science applications. The company specializes in the full range of water resources-related services, including hydrology and hydraulics, coastal engineering, waterfront structure design and rehabilitation, dredging and dredged material management, environmental assessments, and GIS analysis and mapping.

Taylor Engineering applies the latest GIS technologies, including ArcGIS 10.x and associated extensions, ArcGIS API for Flex, ArcObjects™, ModelBuilder™, and Microsoft .NET. For more in-depth, accurate, and cost-effective analyses, Taylor Engineering invests considerably in tool development. Company-developed GIS tools include

- Taylor Coastal Analyst—A suite of customized Esri ArcMap toolbars designed to facilitate GIS-based pre- and postdatabase processing of coastal wave modeling and mapping
- Taylor Tackle Box—A suite of customized Esri ArcMap tools designed to facilitate the creation of Digital Flood Insurance Rate Map (DFIRM) deliverables
- Diagnostic Modeling System (DMS)—GIS tools for data management and shoal hot spot investigation in navigation channels

Wood Rodgers, Inc.

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Wood Rodgers, Inc., is a multidisciplinary engineering firm with office locations in California and Nevada. Founded in 1997 as primarily a civil engineering firm, the company's range of professional services has since expanded to include land planning, landscape design, surveying, mapping, water resources, transportation planning and engineering, GIS, environmental services, geotechnical engineering, and structural engineering.

Water Resources

Wood Rodgers offers a wide range of water engineering services that include stormwater facility analysis and design, flood risk management analysis and design, watershed planning and management, levee design and certification, and pipeline and pump plant design.

Flood Risk Management

Wood Rodgers' flood risk management expertise unites the disciplines of floodplain mapping, flood hazard mitigation, reclamation, project feasibility assessment, emergency response planning, and levee assessments and improvements to offer a complete repertoire of flood assessment tools. The firm's experience ranges from site-specific solutions to large, basin-wide studies providing support to a wide range of local, state, and federal stakeholders. Wood Rodgers' hydrologic and modeling experience includes rain-on-snow flood assessments, developing statistical rainfall frequency reports, design rainfall, stream flow frequency and regional gage analysis, city drainage design standards, and calibration of results using NEXRAD gage-adjusted event rainfall. The majority of the company's hydraulic modeling experience includes assessing dynamic flow and volume in large river systems/floodplains and urban pipe networks, connecting with open channels, pump stations, and ground surface terrain modeling (2-dimensional). The company's personnel possess expertise in numerical modeling and analysis using a variety of hydrologic and hydraulic modeling software such as HEC-HMS, HEC-RAS, XP-SWMM, EPA-SWMM, MIKE 11, MIKE 21, MIKE 21 FM, MIKE URBAN, MIKE BASIN, FLO-2D, InfoWorks ICM, TUFLOW, and TUFLOW FV. Wood Rodgers is also proficient in the Federal Emergency Management Agency (FEMA) flood insurance studies and in processing Conditional Letters of Map Revisions (CLOMRs), Letters of Map Revisions (LOMRs), and PMRs for local agencies. The company's staff includes respected leaders on local and regional flood issues with positions on the boards of the Floodplain Management Association and the Environmental Water Resources Institute, as well as prominent contributors as part of a blue ribbon panel for assessing two-dimensional modeling/mapping standards to assist FEMA Region IX.

Levee Certification

Wood Rodgers is a recognized leader in analyzing flood risk and constructing flood control improvements in California. Its experience includes performing hydraulic and hydrologic analyses to identify and delineate existing flooding problems; preparing conceptual and final designs of flood control facilities; and working closely with federal, state, and local agencies to fund, manage, and construct flood control projects. By integrating the latest hydraulic analysis tools with the functionality of GIS, Wood Rodgers develops solutions that are innovative and comprehensive and provide lasting value to stakeholders. When it comes to providing for public safety, experience and innovation make a world of difference.



Understanding our world.

Esri inspires and enables people to positively impact their future through a deeper, geographic understanding of the changing world around them.

Governments, industry leaders, academics, and nongovernmental organizations trust us to connect them with the analytic knowledge they need to make the critical decisions that shape the planet. For more than 40 years, Esri has cultivated collaborative relationships with partners who share our commitment to solving earth's most pressing challenges with geographic expertise and rational resolve. Today, we believe that geography is at the heart of a more resilient and sustainable future. Creating responsible products and solutions drives our passion for improving quality of life everywhere.



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