EQuIS®

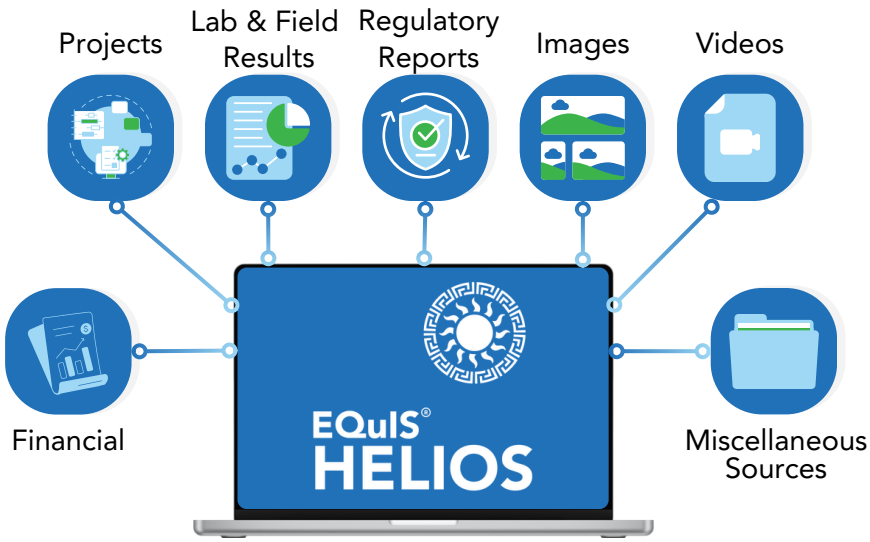
Data and Knowledge Management

Product Catalog

Take control of your environmental and geotechnical data—both **structured** and **unstructured**—with EQuIS. Automate workflows for project and task management, field data collection, analytical data loading, processing, and verification. Visualize your data in charts, graphs, maps, and use EQuIS REST APIs to integrate with Esri's ArcGIS, Microsoft's Power BI, and other software.

EQuIS is trusted by governments, industries, laboratories, and consultants in over 90 countries to manage and protect their data assets. Handle diverse data types, including chemistry, biology, geology, geotechnical, limnology, water quality, air quality, soil composition, sediment analysis, noise levels, radiological measurements, waste metrics, and compliance monitoring. Save time and money while ensuring data quality and efficiency.

Leverage Structured and Unstructured Data



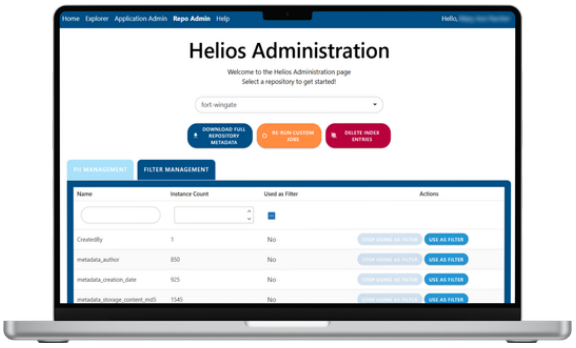
EQuIS Helios

AI-Powered

Helios transforms how you manage unstructured data. PDFs, photos, and videos are managed in Azure Blob Storage and uses Microsoft Azure AI Services to automatically process, analyze, and extract insights from the content.

Upload hundreds of files and terabytes of data through a simple drag-and-drop interface. Helios automatically summarizes, indexes, and extracts metadata, completing in minutes or hours what used to take days or even weeks.

This streamlined, AI-powered workflow allows you to securely manage, access, and gain insights from your unstructured data faster and more effectively than ever before.



Unlock the power of your unstructured data

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Product Catalog

Manage & Control Structured Data Workflows

EQuIS Enterprise and Schemas

EQuIS Enterprise provides advanced workflow automation for efficient and reliable data loading, data quality checks, reporting, and graphics/visualization through web browsers. Enterprise improves decision support with user-defined dashboards comprised of multiple widgets for maximum customization, integration, and query-building tools.

All EQuIS workflows require EQuIS Schemas in Microsoft SQL Server. The EQuIS Schema is the licensed data structure, rules, and central data repository supporting all EQuIS software products and workflow services. The Schemas can be hosted on your server or by EarthSoft in the cloud. EQuIS Enterprise product levels (Basic and Premium) combine Enterprise automation and workflows with specific EQuIS Schemas.

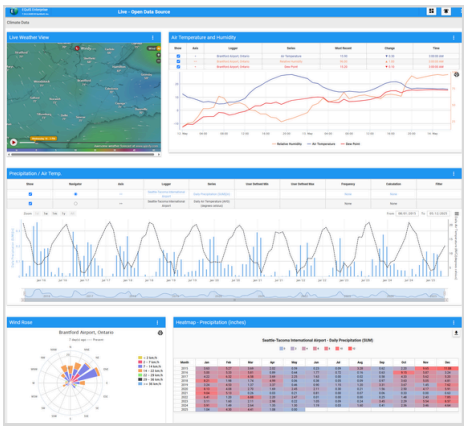
Basic Schema Level

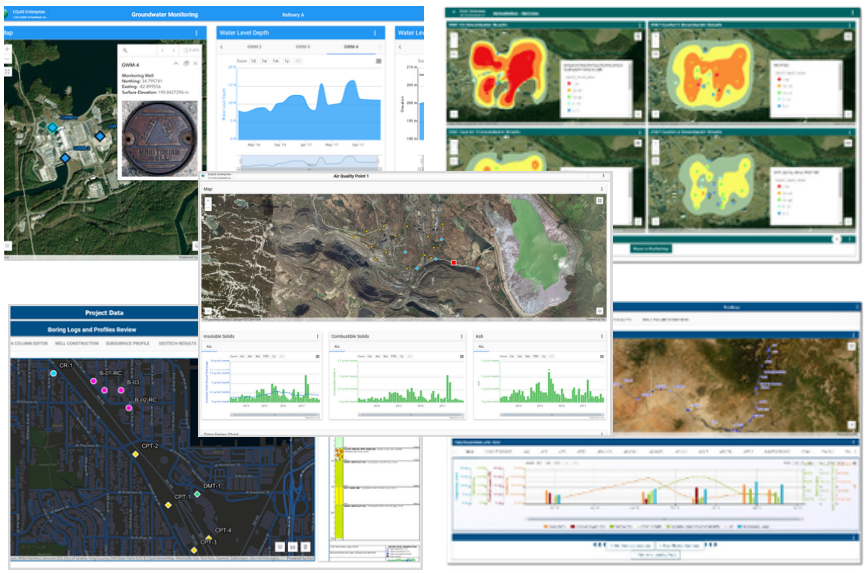
- Standard EQuIS Formats (EQEDD, EFWEDD, ESBasic, EZEDD, EZLithology, GeologyEDD, and more)
- Advanced Schema and tables,views, reports and formats to support client EDD formats
- EDDs and Formats: USEPA Regions 2, 4, 5, and 9; CA GeoTracker, LA, MN, MT, NY, TX, and other states; SEDD; NEDD; ERPIMS; AGS; and more
- Vapor Intrusion Package
- EQuIS Alive, Collect, DQM, and SPM (licensed separately)

Premium Schema Level

- Schema extensions included in Enterprise Basic
- EQuIS Live – Manages high-frequency, high-volume data from data loggers, sensors, weather stations, and other API sources. Data can be reported real time and/or reduced as desired.
- USEPA Water Quality Exchange (WQX) Package
- USEPA Air Quality System (AQS) Package
- EQuIS Geotech (licensed separately)

Visit Dashboard Gallery





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EQuIS REST API

The EQuIS REST API (Representational State Transfer Application Programming Interface) enables software applications to communicate with EQuIS over the web using standard HTTP methods.

EarthSoft uses the REST API to receive or send information from an EQuIS Enterprise URL to perform specific tasks. The EQuIS REST API includes an implementation of OData (Open Data Protocol) that allows users to interact directly with tables, columns, and records in the EQuIS Schema.

EQuIS users can also connect to an EQuIS Enterprise site with Microsoft Power BI or ArcGIS Pro Desktop through the REST API interface.

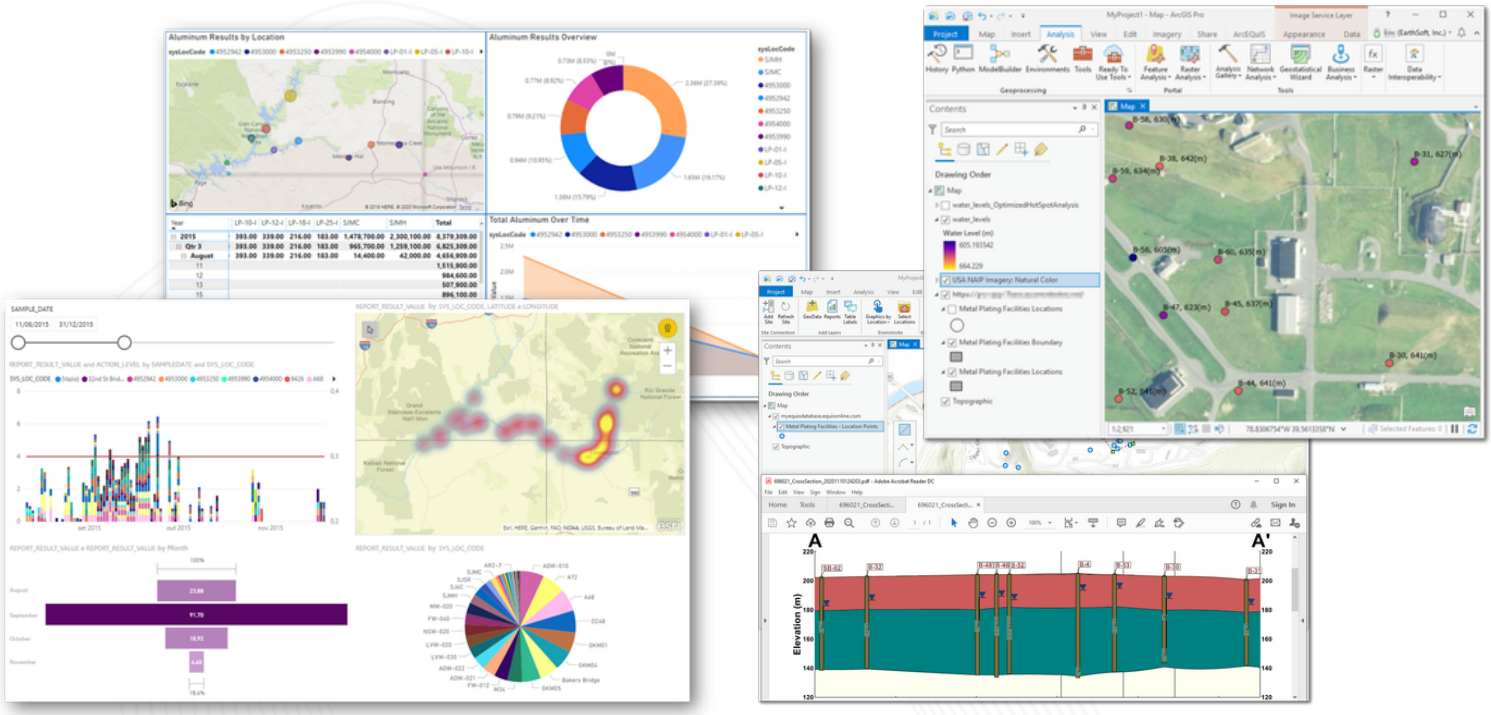


Table Export Processing Option

The Table Export process delivers scheduled exports of selected EQuIS tables to easy-to-consume files so your team can integrate with data lakes, data warehouses, and other big data applications without manual pulls or direct database access. Automatically transform your EQuIS database into analytics-ready data. This option requires an active EQuIS REST API subscription.



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EQuIS® Product Catalog

EQuIS Professional Libraries

EQuIS Professional is a powerful software user interface for checking, editing, loading, analyzing, reporting, and visualizing environmental and geotechnical data. Power users and administrators use Professional to manage EQuIS databases, reference values, action levels, groups, reports, graphs and graphics, and many data imports. Custom reports can be created and published in Professional to be available across other EQuIS applications.

EQuIS Professional is licensed in several library configurations that determine the available file formats, data analysis tools, other EQuIS components, and graphic applications and interfaces. The **Standard Library** features the EQuIS Data Processor (EDP) and 100s of reports and free EQuIS formats. EDP is a critical tool to automate the processing of environmental and geotechnical data. EDP checks electronic data deliverables (EDDs) for correctness and per client-specific rules.

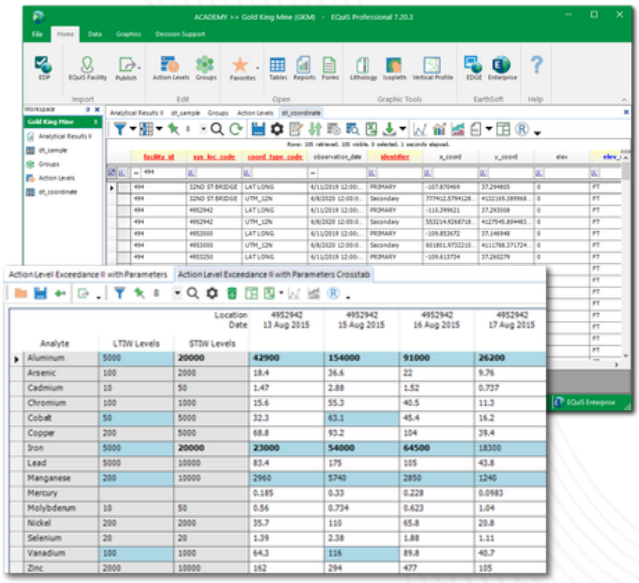
Upgrade from Standard to add either data or graphic components or both (combined libraries). EQuIS Professional Libraries include: Standard, PlusD, PremierD, PlusG, PremierG, and the data and graphics combinations of PlusDG and PremierDG. All Professional libraries require an EQuIS Enterprise license.

Plus Libraries

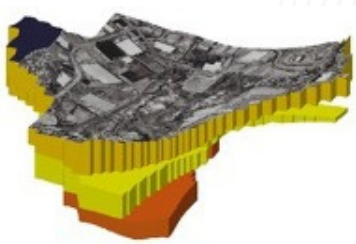
- Includes all Standard Library features
- **Data (PlusD and PlusDG)** – Formats: USEPA Regions 2, 4, 5, and 9; CA GeoTracker; states of LA, MN, MT, NY, and more; SEDD; NEDD; ERPIMS; AGS; and others
- **Graphic (PlusG and PlusDG)** – Graphics and visualization interfaces for Google Earth, Surfer, LogPlot, RockWorks, EVS, GMS, Groundwater Vistas, CARStat, AquaChem, GWSDAT, FEFLOW, and others

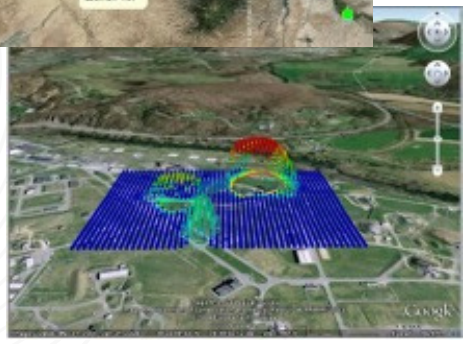
Premier Libraries

- Includes all Standard and Plus Library features
- **Data (PremierD and PremierDG)** – Includes EQuIS Sample Planning Module (SPM), EQuIS Data Qualification Module (DQM), and EQuIS Link
- **Graphic (PremierG and PremierDG)** – Includes EQuIS for ArcGIS and EQuIS for AutoCAD









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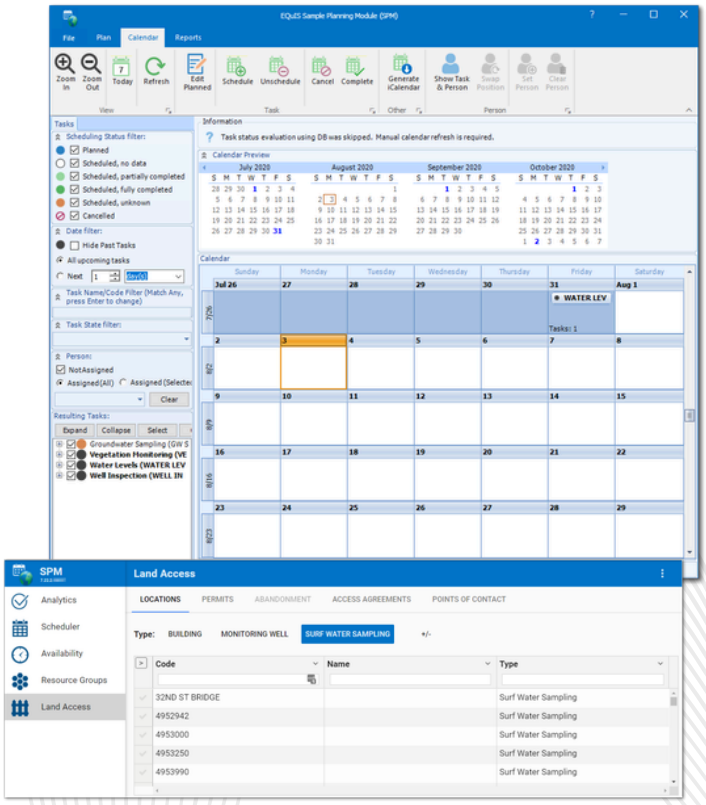
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EQuIS® Product Catalog

Sample Planning Module

EQuIS Sample Planning Module (SPM) improves data collection activities with planning, management, and tracking capabilities. SPM plans unique or repetitive events and tasks, compares planned events on a calendar to actual activities, and tracks completeness.

- Create detailed contracts for labs and field crews.
- View scheduled tasks across facility groups.
- Assign resources (people and equipment) to scheduled tasks.
- Plan for availability conflicts of samplers and equipment.
- View, create, or edit land access information.
- Produce Chains of Custody (COCs)and bottle labels.
- Sample Receipt Notification (SRN) module tracks testing related issues reported by labs.



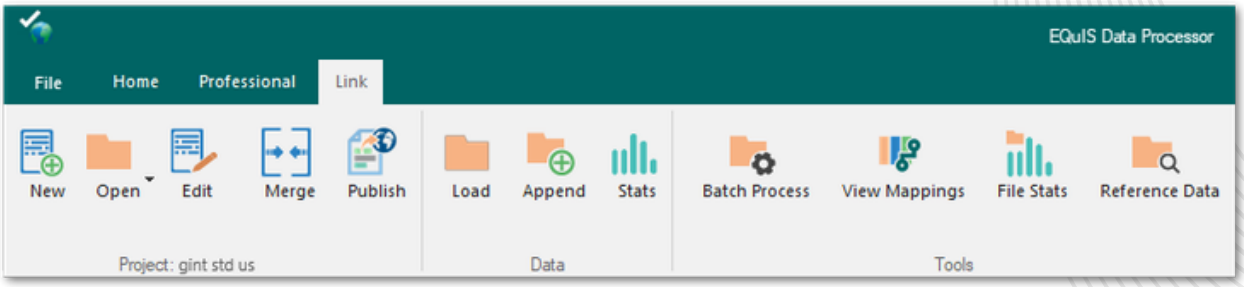
EQuIS Link

EQuIS Link is an advanced data transformation tool for migrating legacy or historical data into EQuIS. Use EQuIS Link with large data sets or with multiple files from a common source. EQuIS Link can migrate data from a wide variety of input source files to standard EQuIS EDDs. EQuIS Link is available in Professional EDP.

Check EDDs created with EQuIS Link directly in EDP and enforce EDD formatting and valid values prior to importing EDDs into EQuIS. Link Mapping project templates can also be used as a "virtual" format to upload EDDs to EQuIS via the Enterprise EDP EDD Upload widget.



EQuIS Schemas



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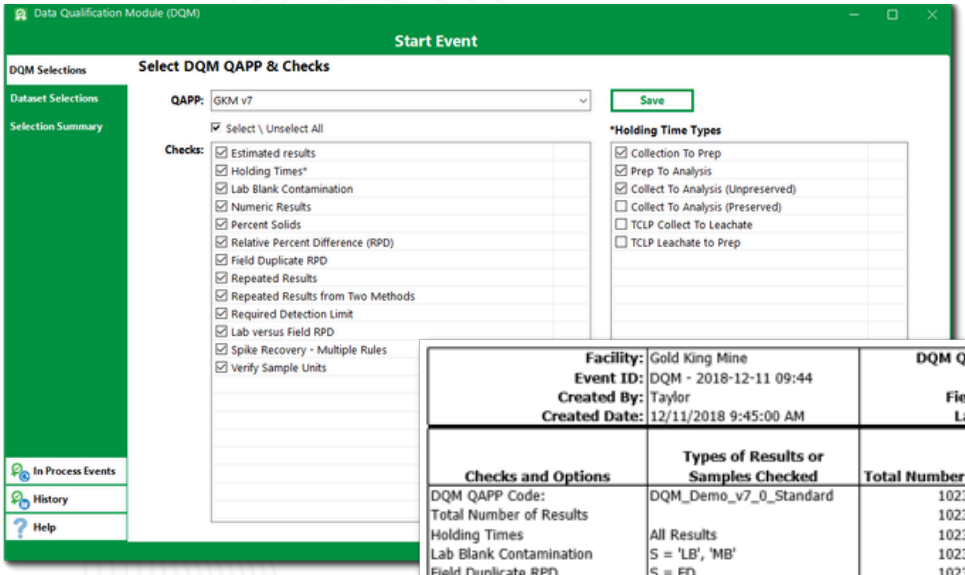
EQuIS®

Product Catalog

Data Qualification Module

EQuIS Data Qualification Module (DQM) is an automated data validation tool used to ensure sample data meet established data quality criteria.

- Allows data comparisons to both configured and/or calculated criteria.
- Project-specific rules, quality assurance / quality control limits, and data qualifiers.
- Add or modify data quality checks to meet client requirements.
- Checks include holding times, blank contamination, surrogate recoveries, precision, accuracy, reporting limits, and more.
- Use out-of-the-box reports or configure to facilitate reporting.



Facility:	Gold King Mine	**DQM QAPP Code:**	DQM_Demo_v7_0_Standard	**Test Batch ID(s):**	
Event ID:	DQM - 2018-12-11 09:44	**COC(s):**		**Task Code(s):**	
Created By:	Taylor	**Field SDG(s):**	1508082 : 1508188 : 1508189	**Sample Code(s):**	
Created Date:	12/11/2018 9:45:00 AM	**Lab SDG(s):**		**MAG(s):**	

Checks and Options	Types of Results or Samples Checked	Total Number of Results	Number of Results Checked	Number of Exceptions
DQM QAPP Code:	DQM_Demo_v7_0_Standard	1023		
Total Number of Results		1023		
Holding Times	All Results	1023	1023	11
Lab Blank Contamination	S = 'LB', 'MB'	1023	83	10
Field Duplicate RPD	S = FD	1023	0	0
Repeated Results	All Results	1023	1023	0
Holding Time Types:	CtoA(U)	1023		
Unvalidated Only Option:	False	1023		
Field Quality Comment Option:	False	1023		
	Errors:	0		



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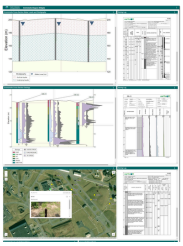
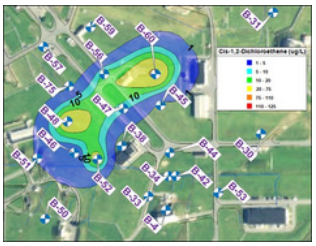
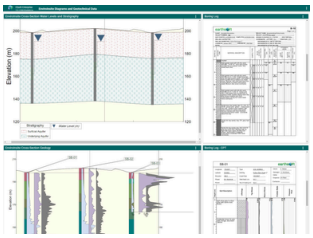
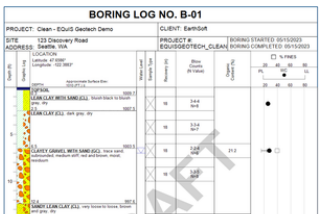
Decision Support Products

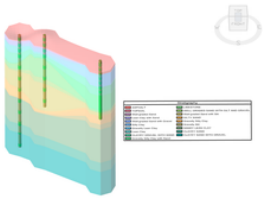
These add-on products can be acquired separately to enhance any of the EQuIS Professional product libraries.

EQuIS EnviroInsite

EQuIS EnviroInsite is software for the analysis and visualization of environmental and geotechnical data. EnviroInsite can create site maps, analyze stratigraphy (cross-sections and/or complex 2D or 3D geologic models), generate customized boring logs and strip logs, plot 2D and 3D images, analyze geochemistry data, and prepare customized report graphics that can be exported as PDF, CAD, or GIS files.

Since EnviroInsite connects directly to EQuIS, charts, tables, and maps are easily updated when new data are uploaded. The library of standard EnviroInsite boring log templates can be customized and can be used in other EQuIS applications, such as Collect, Enterprise, and ArcEQuIS.

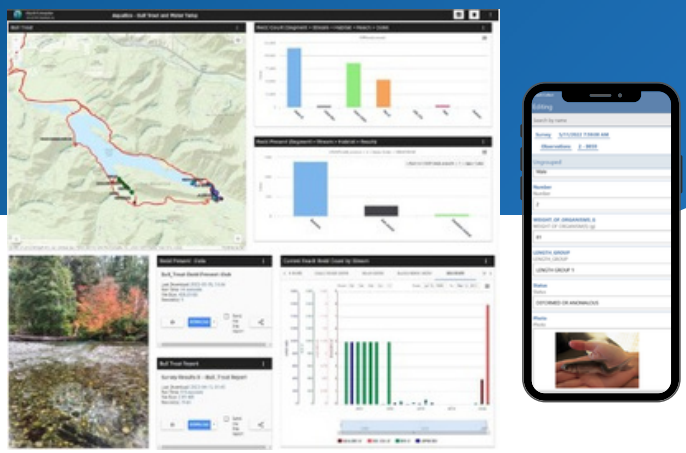







EQuIS Alive

EQuIS Alive manages survey, ecological, biological, and taxonomy data. Alive integrates with other EQuIS applications for enhanced biological data analysis and assists with habitat assessment and inventory management of invasive, indigenous, and protected species.

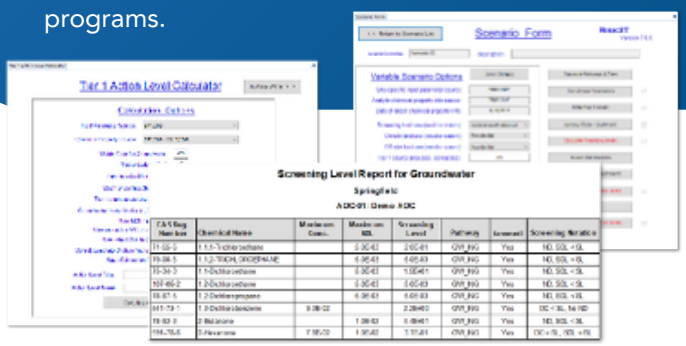
Clients may design and export Alive surveys for use in the field and also view survey results, species density reports, species count exceedances, and species observations.



Risk3T

EQuIS Risk3T is a risk assessment toolkit that examines environmental risk and is used by industry, government, and consultants. Risk3T makes risk assessments quick, easy, and cost effective with the following modules:

- Site-Specific Calculator conducts Tier 2 or Tier 3 risk assessments to determine site-specific remedial goals and/or Action Levels protective of human health and the environment.
- Tier 1 Action Level Calculator is used by regulatory agencies, industry, and consultants to support the management of environmentally impacted sites.
- Lookup Action Level Generator significantly simplifies the process of determining which screening levels are applicable to a site for complicated regulatory programs.



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EQuIS®

Product Catalog

Data Acquisition Products

These products can be acquired separately to support EQuIS data collection and processing workflow.

EQuIS Collect

EQuIS Collect is a user friendly, mobile field application to collect environmental and geotechnical data on a smart phone, tablet, or computer. Collect uses EDP to verify and enforce data integrity in real time.



- Download is available for iOS, Android, and Windows devices.
- Connects to data loggers and public API data sources, and supports bar code scanners.
- Captures coordinates from GPS or maps.
- Captures images and allows annotation.
- Creates COCs and eCOCs.
- Works with SPM to pre-populate planned activities, sampling locations, and other data.
- Creates boring logs in the field.
- Synchronizes data between multiple field staff.

EDP Standalone

EDP Standalone software offers interactive data screening and correction prior to EDD submission into an EQuIS workflow.

EDDs that pass EDP Standalone checks are often submitted to EQuIS via Enterprise EDP.

Distribution Licenses for EDP

Enterprise licensing provides access to one of our most powerful tools for data governance: the EDP Distribution License. This license allows clients to distribute a copy of EDP Standalone, along with their reference values and data format, to third-party data submitters at no additional cost. This ensures that all submitters follow the organization's exact data specifications.

External Data Submitter License

Extend Controlled EQuIS Access Across the Digital Data Lifecycle

External Data Submitter Licenses give laboratories and other external data submitters a lower-cost, controlled way to participate in upstream digital workflows and direct Enterprise EQuIS Data Processor (EDP) submission. Organizations can standardize submissions earlier, reduce manual Electronic Data Deliverable (EDD) handling, and move verified data into EQuIS as the downstream system of record.



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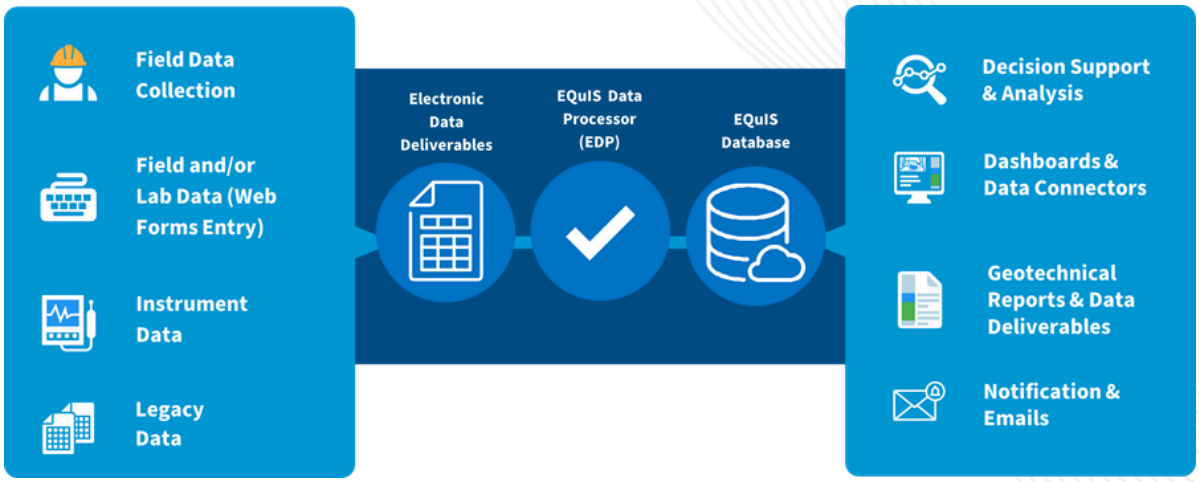
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EQuIS® Product Catalog

EQuIS Geotech

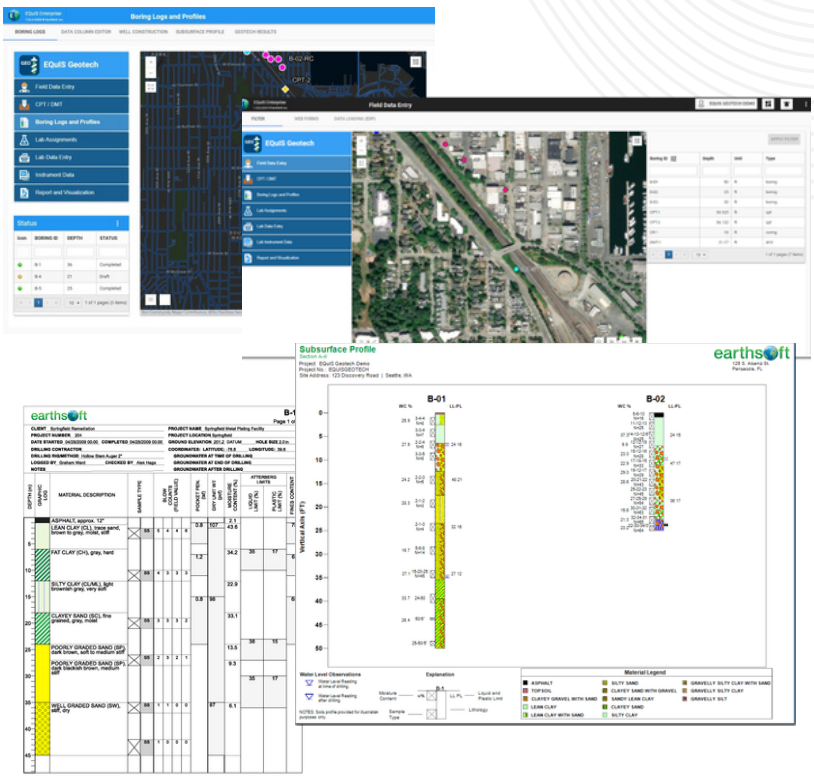
EQuIS Geotech extends the EQuIS software suite and manages geotechnical and environmental data in a single enterprise solution. EQuIS Geotech provides web forms for data entry, customizable reporting templates, and geotechnical-specific workflow components. Numerous native EQuIS data operations are integrated, including migration capabilities and visualization tools. EQuIS Geotech improves data quality and streamlines project workflows for large-scale geotechnical data management.

EQuIS Geotech is licensed separately and also requires licenses for Enterprise Premium, Professional PremierG (or DG), Collect, and EnviroInsite. The EQuIS REST API license is optional. Licensing includes a separate Schema, format files, numerous standard reports and templates, widgets, and configured dashboards.



Features

- Modular, scalable, repeatable, and automated workflows for multi-project portfolios.
- Built-in dashboards for easy data entry and analysis.
- Import/export EQuIS data in an AGS4 format
- Produces industry standard geotechnical boring, CPT, and DMT logs.
- Supports raw lab data and incorporates industry standard ASTM calculations.
- Built-in reports designed to mimic industry standard formats.
- Direct data entry workflows with Web Forms, EQuIS Collect Forms, or EDDs.
- Open Systems Model – REST API supporting various third-party integration



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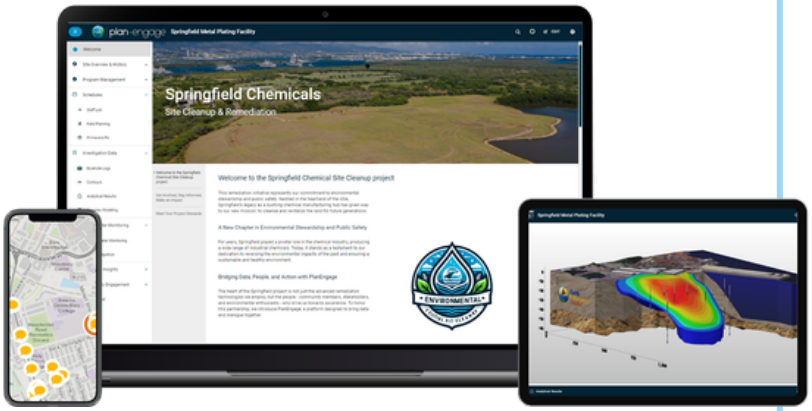
EQuIS® PlanEngage®

Transform Complex Environmental Data into Clear, Actionable Insights

EQuIS PlanEngage transforms complex environmental data and technical information into interactive, visual experiences that help stakeholders understand, explore, and act with confidence. Designed to enhance communication and transparency, EQuIS PlanEngage makes project information accessible to technical teams, decision-makers, regulators, and communities. By presenting information in a clear, engaging and easy-to-understand format, organizations can strengthen stakeholder engagement, streamline permitting, and support better environmental, social, and business outcomes.

A Single View of Project Information

EQuIS PlanEngage brings together trusted information from across your organization in a single, intuitive platform. Using a secure data federation approach, EQuIS PlanEngage connects directly to existing systems, allowing information to remain in its original location while being presented through one unified view.



From Data to Decisions

EQuIS PlanEngage helps organizations turn information into understanding. By bringing together data, maps, documents, images, 3D models, dashboards, and communications in a single platform, users can explore information in context and make informed decisions. This enables greater transparency, stronger stakeholder confidence, and more effective project delivery.

Key Capabilities

- Create a comprehensive view of project information so the data tells the complete story.
- Enable seamless stakeholder engagement through interactive dashboards, maps, reports, and visualizations.
- Integrate visualizations data with enterprise systems to create unified views across environmental, financial, compliance, document management, and other business data.
- Add geographic context with embedded GIS and interactive mapping.
- Secure and scalable, leveraging Microsoft Azure together with authentication, permissions, and security controls.

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Additional EQuIS Product Information

To place an order or to learn about EQuIS products, contact Sales@earthsoft.com. Also visit our website and/or download specific product data sheets.

Alive: Manages survey, ecological, biological, and taxonomy data. Download the Alive data sheet.

Air Quality Data Management: Supports end-to-end air quality workflows from field planning and mobile field data collection to LIMS integration, validation, and reporting. Download the Air Quality Data Management data sheet.

Air Quality System Package: Collect, store, and manage USEPA AQS data for export into required file formats for submission to regulatory agencies. Download the AQS Package data sheet.

ArcEQuIS: Add-in for Esri ArcGISPro to easily view and analyze EQuIS data. Visit the ArcEQuIS website page or download the ArcEQuIS data sheet.

Collect: User friendly, mobile field application to collect environmental and geotechnical data on a smart phone, tablet, or computer. Visit the Collect website page or download the Collect data sheet.

Data Governance: The EQuIS Data Governance program provides knowledge, tools, and reports to support clients. Visit the Data Governance website page or download the Data Governance Overview data sheet.

Data Qualification Module (DQM): Automated data validation tool used to ensure sample data meet established data quality criteria. Visit the DQM website page or download the DQM data sheet.

Enterprise: Advanced workflow automation for efficient and reliable data loading, data quality checks, reporting, and graphics/visualization through web browsers. Visit the Enterprise website page or download the Enterprise data sheet.

EQuIS Data Processor (EDP): Desktop or web user interface for checking and importing data into the EQuIS database. Visit the EDP website page or download the EDP data sheet.

EnviroInsite: Software for the analysis and visualization of environmental and geotechnical data. Visit the EnviroInsite website page or download the EnviroInsite data sheet.

External Data Submitter: Bring labs and other data submitters into upstream digital workflows, improve submission quality, and scale EQuIS participation with stronger governance at a lower cost. Download the External Data Submitter data sheet.

Geotech: Extends the EQuIS software suite and manages geotechnical and environmental data in a single enterprise solution. Visit the Geotech website page or download the Geotech data sheet.

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Additional EQuIS Product Information

Helios: Comprehensive environmental and geotechnical knowledge management portal combining AI-powered data handling and search capabilities with strong privacy and security features. Included in all EQuIS systems and requires MS Azure hosting and use of MS Azure resources. Visit the Helios website page or download the Helios data sheet.

Link: Advanced tool for migrating legacy or historical data into EQuIS. Download the Link data sheet.

Live: Manages high-frequency, high-volume data from data loggers, sensors, weather stations, and other API sources. Visit the Live website page or download the Live data sheet.

PlanEngage: Transform complex environmental data and technical reports into interactive, visual, and easy to understand information. Visit the PlanEngage website page or download the PlanEngage data sheet.

Power BI Data Connector: Allows users to access EQuIS facilities, locations, and user reports as data sources directly in Microsoft Power BI. Visit the Power BI Data Connector website page or download the Power BI Data Connector data sheet.

Professional: Powerful software user interface for checking, editing, loading, analyzing, reporting, and visualizing environmental and geotechnical data. Visit the Professional website page or download the Professional data sheet.

REST API: Allows EQuIS to be interoperable with other software. Visit the REST API website page or download the REST API data sheet.

Risk3T: Human health and environmental risk assessment toolkit. Download the Risk3T data sheet.

Sample Planning Module (SPM): Desktop and web user interfaces for planning, scheduling and tracking field sampling events. Download the SPM data sheet.

Table Export Processing Option: Automatically transform your EQuIS database into analytics-ready data. Download the Table Export processing option data sheet.

Third Party Licensing VLA: EQuIS licensees may grant and manage Enterprise viewing and reporting rights to third parties (non-EQuIS licensees) with Viewer Licensing Agreement (VLA) products. Download the Third Party Licensing VLA data sheet.

Vapor Intrusion Package: Collect, store, manage, and report data associated with vapor intrusion assessment and monitoring. Download the VI Package data sheet.

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