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SUMMER 2000 ISSUE

Free newsletter for clients and those interested in enhancing their environmental data management and GIS capabilities

Automated ArcView Interface Available for GIS\Key v3.2

Many GIS\Key clients have been using ArcView in addition to AutoCAD for years, combining data from GIS\Key and other systems to perform spatial/network analysis and create client presentations for their environmental projects. ArcView and GIS\Key have always been compatible and data passed easily from a GIS\Key project to ArcView.

The important point is that you need a good data model and query system to use with whatever graphic platform you choose. The GIS\Key data model and query system are industry tested, widely used and have unique, user-friendly "Smart Query" technology available nowhere else.

To answer client requests for tighter ArcView integration, we are adding a complete ArcView extension to GIS\Key v3.2, set for release in September 2000.

The ArcView extension works like our current mapping interface. Users start ArcView from the GIS\Key Scout, which initializes ArcView and presents a menu bar for Chemistry, Geol-

ogy, Hydrology and Adding or Editing Sample Sites. If users select sample sites from the map, ArcView calls the appropriate Scout query tool and SmartQuery helps the user select data. Clicking the query's "finish" button sends data back to ArcView's mapping tools and Spatial Analyst to create chemical isopleths, structure/isopach maps or potentiometric surfaces. (Of course, ArcView map queries may also be initiated entirely from within Scout.) A sample screenshot of the interface is shown below.



Also included: an ArcView version of the Spatial Data Manager, which will automate saving ArcView maps and other entities as themes for later recall and display. Other entities include tables and hot-linked graphics like logs, sections, line graphs, etc.

The version 3.2 ArcView interface may be used as GIS\Key's primary mapping platform, or concurrently with our AutoCAD GIS, graphic and drawing management system.

In This Issue ...

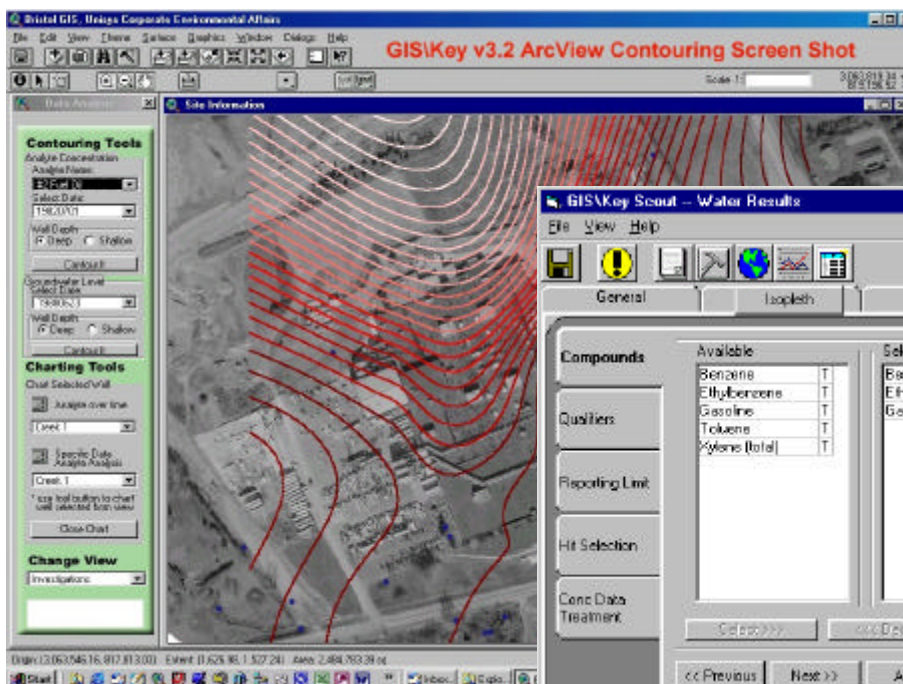
GIS\Solutions Announces GIS\Key ArcView Interface

Scout Database Independence: Connecting Scout to BNL's Oracle Database

GIS\Key Version 3.2 Enhancements

How Does GIS\Key Benefit the Environmental Manager?

- ◆ Unifies & verifies current, historical, geographic and metadata.
- ◆ Provides easy and fast access for understanding all project data.
- ◆ Can be customized for your data repository and data access needs.
- ◆ Improves communication between labs, contractors, managers and regulators.
- ◆ Saves time & money while maintaining data integrity.



GIS\Key's "SmartQuery" System Integrates with ArcView for Fast and Easy Data Extraction



Additional Enhancements in GIS\Key Version 3.2

In addition to the ArcView interface, several additional features in GIS\Key v3.2 that are important for our users. These are summarized below:

(1) **Enhanced Data Browsers:** This feature will allow users to interactively modify data prior to reporting, or easily create custom data views and exports to their favorite 3rd party programs. ArcView-only users who wish to create logs or sections will find feature this quite useful.

(2) **Automatic posting of Action levels on chemistry graphs.** This feature links our graphing routines directly with the MCL library.

(3) **Enhanced query speed:** We have optimized Scout query tools to run 2 to 4 times faster than in version 3.1.

(4) **Document Management:** Scout v3.2 will now save and retrieve reports and graphics in Microsoft Office and Internet formats.

(5) **Simplified Chemistry Import:** GIS\Key v3.2 supports a significantly simplified import process and EDD file structure for clients dealing only with primary results.

So – create an HTML chemistry report and E-mail it to your client!

Meet our Newest Staff Member: Tom Rooze

We are very pleased to announce that Mr. Tom Rooze has joined our technical services group as of April 1, 2000. Tom has over thirteen years experience in geotechnical and environmental engineering, has managed all phases of environmental projects and is an expert GIS\Key user.

Tom has Bachelor and Master of Science Degrees in Geology from the Massachusetts Institute of Technology. He is a Registered Geologist, a Certified Engineering Geologist and a licensed Environmental Assessor in California.

Prior to joining GIS\Solutions, Tom served as project manager and senior engineering geologist at Applied Earth Consultants and at Charlton International, two San Francisco Bay Area environmental consulting firms.

Tom is familiar with several industry standard CAD and GIS packages including ArcView, which will be an added benefit for GIS\Key v3.2 clients.

Tom loves to travel and speaks some Dutch and Spanish.

Need help converting or verifying historical project data for analysis? Want to get a project started quickly? Call Tom and ask about our cost-effective conversion services! He can be reached at 925-827-5400 x 208.



Tom Willem Rooze

Please join us in welcoming Tom to GIS\Solutions!

GIS\Key™ 2000: Answers to Client Questions About Scout Database Independence

Question	Answer
What is Database Independence?	"Database Independence" refers to Scout's inherent ability to "attach" virtually to any database repository, whether or not that repository uses the standard GIS\Key database engine or data model.
Why is this Concept Important?	Database independence is important because it enables our clients with significant investments in their own data models to take advantage of GIS\Key's integrated, complete and flexible client tools for GIS, drawing management, report and graph production.
What Database Engines Does Scout Work With?	Scout can work with any SQL data engine (Oracle, SQL Server, Informix, Sybase, etc), or with Access, FoxPro, Dbase
Are There Any Existing Oracle Installations?	Yes! One example is Brookhaven National Laboratories , which had spent years developing its own Oracle-based chemistry data management system. However, they did not have a complete set of reporting, graphing and mapping tools to complement the database, and no data management standard for geology and hydrology data. GIS\Solutions created a custom solution for BNL, using the database independence of Scout to attach GIS\Key's client tools to BNL's Oracle chemistry system, while maintaining GIS\Key's standard data model for geology and hydrology. Scout's database independence enabled BNL to achieve a uniform, integrated interface for all data types.