



GIS AND SURVEY TECHNOLOGY --- BUSINESS CONCEPTS AND SOFTWARE METHODS **LEVEL 1**

NCWC GIS Users Group™ <i>Survey GIS Workshop and Technology Demonstration</i> March 23-24, 2004 (Tuesday-Wednesday)	Napa Community College Napa Campus / GIS Laboratory 2277 Napa-Vallejo Highway Napa, CA Building 700, Room 722	Bay Area REBRAC Regional Environmental Business and Resource Assistance Center www.rebrac.org / email: mike_hall@wvmccd.cc.ca.us
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The Napa Community College Geographic Information Systems (GIS) Department, in conjunction with the Northern California Wine Country GIS Users Group™, REBRAC, PVTS and ESRI, is sponsoring a workshop and product demonstration. The emphasis will be on selected GIS software methods relating to Survey and Engineering technology.

The workshop will focus on ESRI GIS software products and extensions as they support Survey and Civil Engineering applications. The relationships between software environments at the levels of data, feature primitives and actual maps will be discussed.

Paired computer laboratory sessions in both ArcView 8.3 and Survey Analyst will introduce workshop attendees to integrated GIS methods for Surveying and Engineering.

A series of four distinguished speakers will discuss the current state of GIS technology and methods as they relate to the Survey and Engineering professions. Hands-on demonstrations importing survey field data into ArcGIS Survey Analyst will be held in afternoon sessions. Various exhibitors will be available to demonstrate relevant new hardware and software products. Lunch will be provided both days. There will also be a wine and cheese networking session on Wednesday afternoon.

Currently, the survey and engineering industry are heavily invested in CADD software and methods, primarily for design. **Linking relational data or other information to maps and plans is the new frontier.** As that integration of GIS methods with survey and engineering practice evolves, users will need different tools that can seamlessly port data back and forth quickly. Those users will rely on multiple software tools for specialized tasks and data management. 2D and 3D surface models linked to real time data will provide support in the areas of design, construction, operations and management. **This is an opportunity to evaluate the latest technical software beyond the capabilities of conventional CADD.**

The tuition will be 90.00 per person per day. Lunch will be provided both days. Please consult the schedule of topics and presenters on the following pages. Register with Brooke Hunt or Reg Parks at PVTS -- (707) 257-8041. **Advance registration is strongly encouraged.** The workshop will be limited to 24 seats.

**GIS AND SURVEY TECHNOLOGY --- BUSINESS CONCEPTS AND SOFTWARE METHODS, LEVEL 1
SCHEDULE OF TOPICS AND PRESENTERS**

Tuesday, March 23rd

Morning Session			
7:30 to 8:00		Registration	
8:00 to 8:15		Announcements	
8:15 to 9:30		Introduction to ArcGIS 8	Julie Jamarta
9:30 to 10:15		Hands-On: ArcGIS 8 Exercises	ESRI -- Education Coordinator
10:15 to 10:45		Break	
10:45 to 11:30		Introduction to ArcGIS 8	Julie Jamarta
11:30 to 12:15		Hands-On: ArcGIS 8 Exercises	ESRI -- Education Coordinator
Lunch Break			
12:00 to 4:45		<i>Exhibitors and Vendor Demonstrations</i>	<i>open session in exhibit rooms</i>
12:15 to 1:00		Lunch / Exhibits	
Afternoon Session			
1:00 to 2:30		Introduction to Survey Analyst 1	Mike Weir
		Hands-On: ArcGIS 8 Exercises	Geodetic Surveyor ESRI -- Survey Analyst Product Manager
2:30 to 2:45		Short Stretch Break	
2:45 to 4:00		Introduction to Survey Analyst 2	Mike Weir
		Hands-On: ArcGIS 8 Exercises	Geodetic Surveyor ESRI -- Survey Analyst Product Manager
5:00 to 6:00		SPECIAL PRESENTATION CAD to GIS: An Easy Route	Mel Fisher P.E. GeoKinetic Systems Vancouver, B.C., Canada
6:00 to 6:15		Questions and Wrap-Up	
6:15 to 6:30		Cleanup and Shutdown	all attendees out of bldg.

**GIS AND SURVEY TECHNOLOGY --- BUSINESS CONCEPTS AND SOFTWARE METHODS, LEVEL 1
SCHEDULE OF TOPICS AND PRESENTERS**

Wednesday, March 24th

Morning Session			
7:30 to 8:00		Registration	
8:00 to 8:15		Announcements	
8:15 to 8:55		Surveyors and Engineers as GIS Professionals	Mike Hogan L.S. Hogan Land Services Santa Rosa, CA
9:00 to 9:40		Surveying and GIS Services – Using your Resources	Ray Carlson L.S. Ray Carlson and Associates Santa Rosa, CA
10:15 to 10:45		Break	
10:45 to 11:25		GIS Related Curricula in College and Certificate Programs	Jerry Miller L.S. Applied Technology Program Coordinator Santa Rosa Junior College Santa Rosa, CA
Lunch Break			
11:30 to 12:20		Lunch	
Afternoon Session			
12:20 to 12:30		Announcements	
12:30 to 2:30		Product and Data Demonstration Upload Base Layer and Collect	Mike Weir / Barbara Brown ESRI / Geoline Positioning Systems San Francisco, CA
		Product and Data Demonstration Download and Adjust Field Data	Mike Weir / Chris Ralston ESRI / California Survey and Drafting Supply Sacramento, CA
		Product and Data Demonstration	
2:30 to 3:30		Wine and Cheese Break	
3:30 to 5:30		Exhibitors and Vendor Demonstrations	
5:30 to 6:00		Cleanup and Shutdown	all attendees out of bldg.