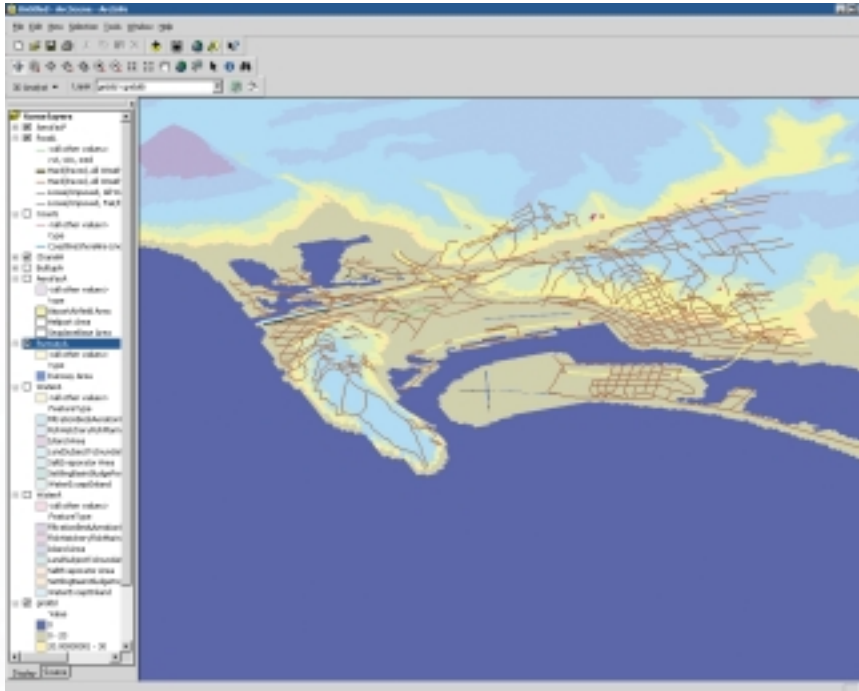
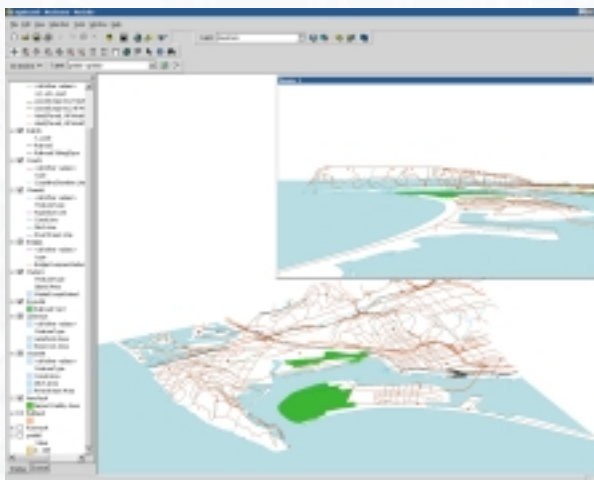


PLTS Production Line Tool Sets Foundation Feature Data



FFD Production

The Production Line Tool Set (PLTS) tools are now integrated into the ArcInfo™, ArcView®, and ArcSDE™ desktop applications, thus enhancing the core functionality of these applications for producing Foundation Feature Data (FFD) databases. This seamless integration was performed using Visual Basic®, Visual C++®, and ArcObjects™.

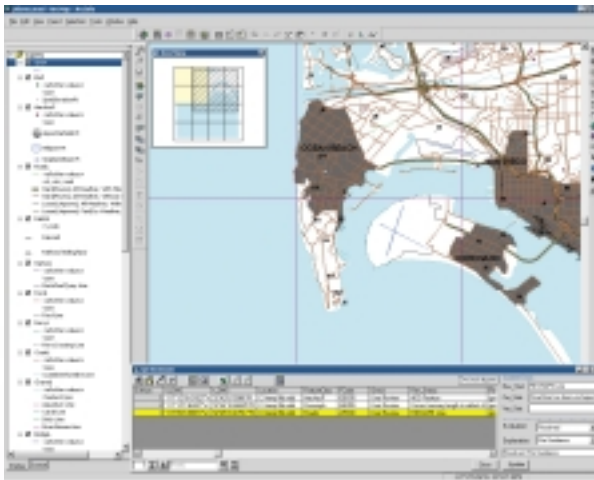
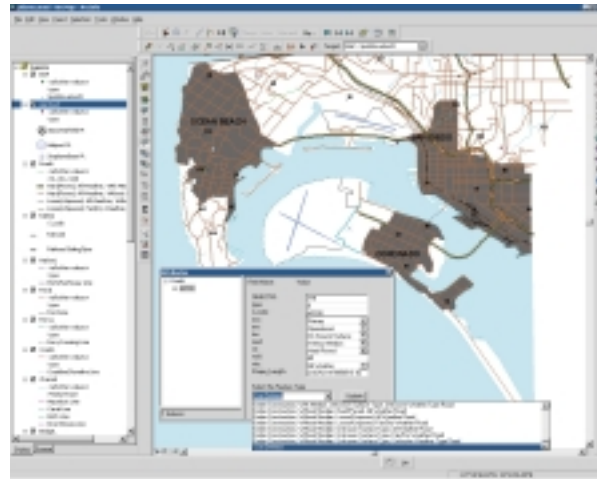


General

The FFD PLTS is used to produce NIMA, VPF-standard, FFD databases from existing stereo extracted data, mono image sources, and ancillary data sources. The FFD tool set is used for high-volume production and finishing of FFD libraries. Custom processing toolbars developed within ArcMap™ now allow for Z-value editing, data integration, and feature validation. Predefined work flows provide a highly efficient and effective manner in which to process data.

Geodatabases

Included with the PLTS tools are custom geodatabases that have been built to store the FFD data structure. These geodatabases mirror the VPF data structures and are defined using feature classes, subtypes, and coded value domains. The geodatabase allows Z values to be stored directly in the database. Also included in the PLTS are data loading tools for importing VPF data directly into these models.

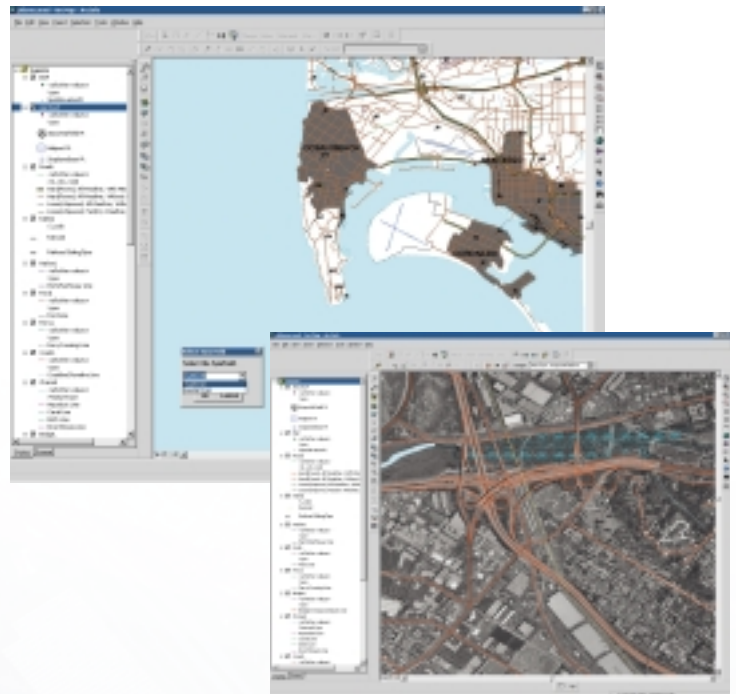


Quality Control

Quality control of the database is done using the Validate command from within the ArcMap application and with the GIS Data ReViewer. Domain errors and errors found during visual inspection are logged into an error tracking table. More specific checks can also be run on the data to check for such errors as overlapping polygons, invalid attribute combinations, and stream monotonicity. Once logged, these errors can be revisited for correction and validation and then stored for data history.

Valid Value Tables

Valid Value Tables (VVTs) contain all of the valid attribute combinations, as well as the attribute descriptions, and can be used to add fully coded features to a database. When importing data into a geodatabase, VVTs are used to ensure that the data within the database meets the attribute combination consistency. Symbology, stored with each valid attribute combination, is used within ArcMap to render the database.



For further information and pricing, please contact

Mark Cygan, Production Line Tool Set Marketing Manager, ESRI Professional Services Division, Database Services

Telephone: 909-793-2853, ext. 2333 E-mail: mcygan@esri.com Web site: www.esri.com/software/plts/index.html