



Water Solutions, Inc.

Facts About Visualization

Schematics, as-builts, graphs, charts, photographs, and other graphic elements help convey information and provide important tools for visualizing data. Using the following software programs, we are able to create clean, informative, and dynamic graphics for presentations, reports, technical memoranda, and other deliverables.

Illustrator - A vector-based drawing program that is used for a variety of graphics:

- **Schematic Cross Sections:** Visual representation of 2-dimensional geology, hydrography, well depths, distance, static water levels, contaminations and other information.
- **Block Diagrams:** 3-dimensional representation that can relate geology and/or hydrography to topical features in space, such as buildings, streams, mountains, and other features.
- **Fence Diagrams:** Complex 3-dimensional cross sections that are not always planar.
- **As-Builts:** Well schematics with technical details. Lithography information also can be included, if available.
- **Site Schematics:** Generalized site overviews including geographic features, structures, and other points of interest.

Photoshop - Sophisticated photo-enhancing software.

- **Core Mosaics:** "Stitch" together a series of core photos to create a completed core mosaic, allowing for the full story to be presented.
- **Photo enhancing:** General image enhancement (i.e., brightness, contrast, color control, and cropping).

InDesign - Highly developed design software can be used to create engaging page layouts for print and digital distribution.

- **Formatting Reports, Posters, and Other Deliverables:** Create engaging layouts with the ability to format text around photos and figures, adjust margins, include background designs, etc.
- **Interactive Materials:** Electronic documents can have interactive components such as: clickable buttons to navigate pages, hyperlinks to Web sites, capabilities to hover over objects and cause images/figures/text to pop up.

Grapher - Technical graphing software.

- **Graphs:** Use Grapher in conjunction with Excel to create manageable hydrographs, scatter plots, and bar graphs. Referencing Excel data through Grapher allows more visual control.

Google Earth - Allows viewing of satellite imagery, terrain, 3-dimensional buildings, and user-created features anywhere on Earth using this program.

- **Google Earth Packages:** Create user-friendly geographic information system (GIS) packages that allow non-GIS users to view and control spatial data.

PowerPoint - A powerful presentation software that aids in organized storytelling.

- **Presentations:** Format, organize, and clean up presentation materials to allow for a smooth, concise, and engaging presentation.

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