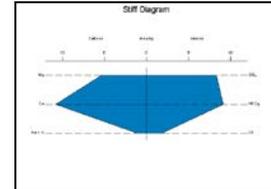
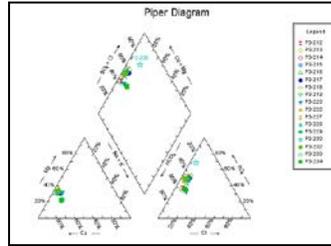




TIPS

Technical Innovation
and Professional
Services



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AqQA[®]

AqQA[®] is a spreadsheet-based software application for storing and examining water-chemistry data. It has all the familiar spreadsheet tools such as sort, transpose, etc. Values can be manually entered or, more conveniently, they can be copied and pasted from Microsoft[®] Excel[®] worksheets. The primary utility of the application is to display water analyses on various diagrams. This software is easy to use and has the features that would be of most value for those who deal with water-quality data but who do not do geochemical modeling.

SELECTED FEATURES:

- Identify water type
- Unit conversion
- Eleven plot types including:
 - Piper
 - Stiff
 - Durov
 - Schoeller
 - Ion balance
 - Ternary
- Mix samples
- Flag exceedances of regulatory limits
- Compare replicate analyses
- Calculate hardness
- Check water analyses for internal consistency
- Suitability of irrigation water
- Carbonate equilibria

AqQA[®]

Obtaining Software

For installation instructions, please visit:
<http://www.tips.osmre.gov/software/hydro/install/AQQA.pdf>

Installed software is accessed through KeyServer, OSM's license management system.

SMCRA Benefits and Uses

- * AML site investigations
- * Evaluate water-quality complaints
- * Mix water of known baseline characteristics with projected new mine discharge for cumulative hydrologic impact assessments
- * Graphically compare water samples separated by space or time for postmining hydrology assessments

TIPS Training Classes

Classroom training is not offered for this product; however, on-line training is available at
<http://www.tipselearning.cadlearning.com/>

Need Help????

Contact AqQA[®] Software Manager
Brian Hicks, bhicks@osmre.gov
618-463-6463 ext. 5121

U.S. Department of the Interior, Office of Surface Mining