

**Draft Decision Support Tool Matrix**

Decision Support Tool	Functions	Interactive (I) or File Input (F)	Input/Output					Contaminants					Media					Potential Technical Team Members		
			Tabular Input	Tabular Output	Graphic Input	Graphic Output	Print Report?	Metals	Chlorinated Solvents	SVOCs	Pesticides / PCBs	Petroleum	Radionuclides	Soil / Sediment	Soil Gas	Air	Surface Water		Groundwater	
AMDTreat <a href="http://amdreat.osmre.gov/amdtreat.asp">http://amdreat.osmre.gov/amdtreat.asp</a> <a href="#">comments</a>	Cost Estimating <input checked="" type="checkbox"/> Calculators (Water Quality) <input checked="" type="checkbox"/> Financial Forecasting <input type="checkbox"/>	I	NA	NA	NA	NA	Yes	√	NA	NA	NA	NA	NA	NA	NA	NA	NA	√	√	Engineer Geochemist
ARAMS <a href="http://www.wes.army.mil/el/arams/arams.html">http://www.wes.army.mil/el/arams/arams.html</a> <a href="#">comments</a>	Human Health Risk Assessment <input checked="" type="checkbox"/> Ecological Risk Assessment <input type="checkbox"/> Statistical Analysis <input type="checkbox"/> Generate Conceptual Site Model <input type="checkbox"/>	I	NA	NA	NA	NA	Yes	√	√	√	√	√	√	√	NA	√	√	√	√	Risk Assessor
BIOCHLOR <a href="http://www.epa.gov/ada/csamos/models/biochlor.html">http://www.epa.gov/ada/csamos/models/biochlor.html</a> <a href="#">comments</a>	Analytical Modeling <input checked="" type="checkbox"/> Visualization <input checked="" type="checkbox"/> Remedial Screening <input type="checkbox"/>	I	NA	NA	NA	.xls	Yes	NA	√	NA	NA	NA	NA	NA	NA	NA	NA	NA	√	General technical staff familiar with chemical fate and transport
BIOPLUME III																				
BIOSCREEN <a href="http://www.epa.gov/ada/csamos/models/bioscreen.html">http://www.epa.gov/ada/csamos/models/bioscreen.html</a> <a href="#">comments</a>	Analytical Modeling <input checked="" type="checkbox"/> Visualization <input checked="" type="checkbox"/> Remedial Screening <input type="checkbox"/>	I	NA	.xls	NA	.xls	Yes	NA	NA	NA	NA	√	NA	NA	NA	NA	NA	NA	√	Hydrogeologist
CAMEO <a href="http://www.epa.gov/ceppo/cameo/cameo.htm">http://www.epa.gov/ceppo/cameo/cameo.htm</a> <a href="#">comments</a>	Database <input checked="" type="checkbox"/> Emergency Response Tool <input checked="" type="checkbox"/> Regulatory Reporting (EPCRA) <input checked="" type="checkbox"/> Analytical Modeling <input type="checkbox"/>	I/F	mer	zip	jpg bmp gif	jpg	Yes	√	√	√	√	√	√	√	√	√	√	√	√	Emergency Responder
FIELDS <a href="http://www.tiem.utk.edu/~fields/">http://www.tiem.utk.edu/~fields/</a> <a href="#">comments</a>	Visualization <input checked="" type="checkbox"/> Initial Sampling <input type="checkbox"/> Secondary Sampling <input checked="" type="checkbox"/> Statistical Analysis <input checked="" type="checkbox"/> Geospatial Interpolation <input checked="" type="checkbox"/> Human Health Risk Assessment <input type="checkbox"/> Ecological Risk Assessment <input type="checkbox"/>	F	.xls	dbf txt	dxp shp	jpg tif wmf eps	Yes	√	√	√	√	√	√	√	NA	√	√	√	√	GIS Technician Statistician Staff familiar with interpolation techniques
FSPLUS <a href="http://www.tiem.utk.edu/~fields/">http://www.tiem.utk.edu/~fields/</a> <a href="#">comments</a>	Visualization <input checked="" type="checkbox"/> Statistical Analysis <input checked="" type="checkbox"/> Geospatial Interpolation <input checked="" type="checkbox"/>	F	dbf	NA	dxp	jpg	No	√	√	√	√	√	√	√	NA	√	√	√	√	Statistician Staff familiar with interpolation techniques
Groundwater Sensitivity Toolkit																				
HSSM <a href="http://www.epa.gov/ada/csamos/models/hssmwin.html">http://www.epa.gov/ada/csamos/models/hssmwin.html</a> <a href="#">comments</a>	Visualization <input checked="" type="checkbox"/> Analytical Modeling <input checked="" type="checkbox"/>	I/F	dat	hss pl# pmi pmp tsg	NA	bmp	Yes	NA	√	NA	NA	√	NA	√	NA	NA	NA	NA	√	Hydrogeologist
Johnson - Ettinger model <a href="http://www.epa.gov/superfund/programs/risk/airmodel/johnson_ettinger.htm">http://www.epa.gov/superfund/programs/risk/airmodel/johnson_ettinger.htm</a> <a href="#">comments</a>	Human Health Risk Assessment <input checked="" type="checkbox"/>	I	.xls	.xls	NA	NA	Yes	NA	√	NA	NA	√	NA	NA	√	√	NA	NA	NA	Risk Assessor
MAROS <a href="http://www.gsi-net.com/software/Maros.htm">http://www.gsi-net.com/software/Maros.htm</a> <a href="#">comments</a>	Database <input checked="" type="checkbox"/> Monitoring Network Optimization <input checked="" type="checkbox"/>	F	mdb xls	mdb xls htm	NA	NA	Yes	√	√	√	NA	√	NA	NA	NA	NA	NA	NA	√	Hydrogeologist Statistician
NAS <a href="http://www.cce.vt.edu/nas/">http://www.cce.vt.edu/nas/</a> <a href="#">comments</a>	Visualization <input checked="" type="checkbox"/> Natural Attenuation Capacity <input checked="" type="checkbox"/> Time of Stabilization <input checked="" type="checkbox"/> Time of Remediation <input type="checkbox"/>	I	NA	NA	NA	.xls	Yes	NA	√	NA	NA	√	NA	NA	NA	NA	NA	NA	√	General technical staff familiar with chemical fate and transport
On Site																				
OWL																				

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			Tabular Input	Tabular Output	Graphic Input	Graphic Output	Print Report?	Metals	Chlorinated Solvents	SVOCs	Pesticides / PCBs	Petroleum	Radionuclides	Soil / Sediment	Soil Gas	Air	Surface Water	
RESRAD <or> RAT																		
SADA <a href="http://www.tiem.utk.edu/~sada/comments">http://www.tiem.utk.edu/~sada/comments</a>	Visualization ■ Secondary Sampling ■ Initial Sampling □ Geospatial Interpolation □ Human Health Risk Assessment □ Ecological Risk Assessment □ Cost-Benefit Analysis □	F	csv	csv	dxg shp	jpg	Yes	√	√	√	√	√	√	√	NA	√	√	Risk Assessor Statistician Staff familiar with interpolation techniques
SCRIBE <a href="http://www.ertsupport.org/scribe_home.htm">http://www.ertsupport.org/scribe_home.htm</a> <a href="#">comments</a>	Data Acquisition ■ Form/Label Generation ■ Database □	I/F	txt xls mdb	htm txt xls	NA	NA	Yes	√	√	√	√	√	√	√	√	√	√	General technical staff familiar with sampling and field work
SourceDK <a href="http://www.gsi-net.com/Software/SourceDK.htm">http://www.gsi-net.com/Software/SourceDK.htm</a> <a href="#">comments</a>	Analytical Modeling ■ Remedial Scoring ■	I/F	xls	NA	NA	NA	No	NA	√	√	√	√	NA	NA	NA	NA	√	General technical staff familiar with chemical fate and transport
VSP <a href="http://dco.pnl.gov/vsp/">http://dco.pnl.gov/vsp/</a> <a href="#">comments</a>	Visualization ■ Initial Sampling ■ Secondary Sampling ■ Statistical Analysis ■ Cost-Benefit Analysis □	I/F	NA	txt	dxg shp	dxg	Yes	√	√	√	√	√	√	√	√	√	√	Statistician

Notes:

File input and output formats are represented in the matrix by their file extension. ASCII files, for example are indicated by the extension "txt"  
 EPCRA = Emergency Planning and Community Right-to-know Act

Legend:

- DST supports this function; however, this function was not evaluated
- DST supports this function; this function was evaluated
- N/A Not applicable