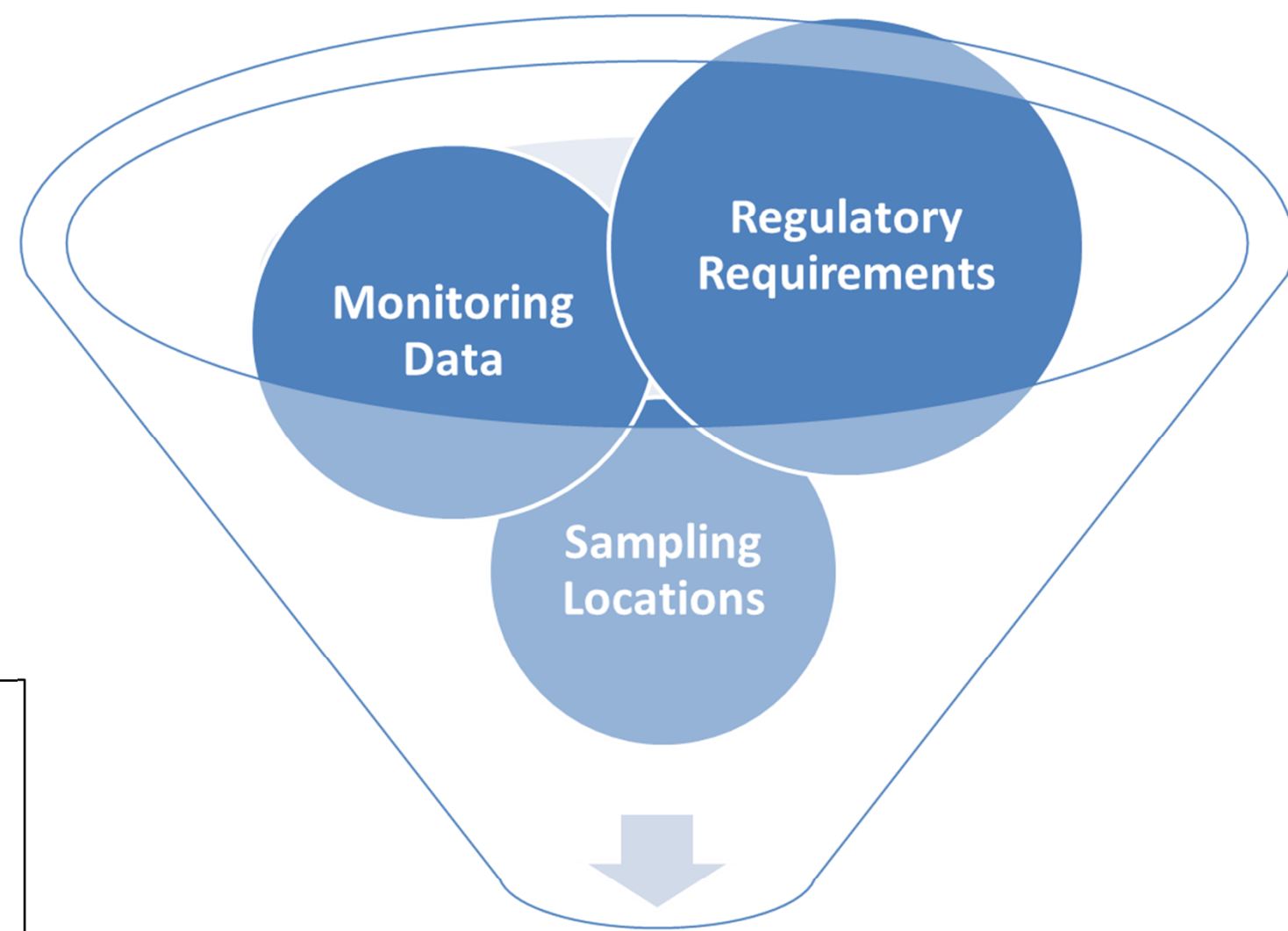


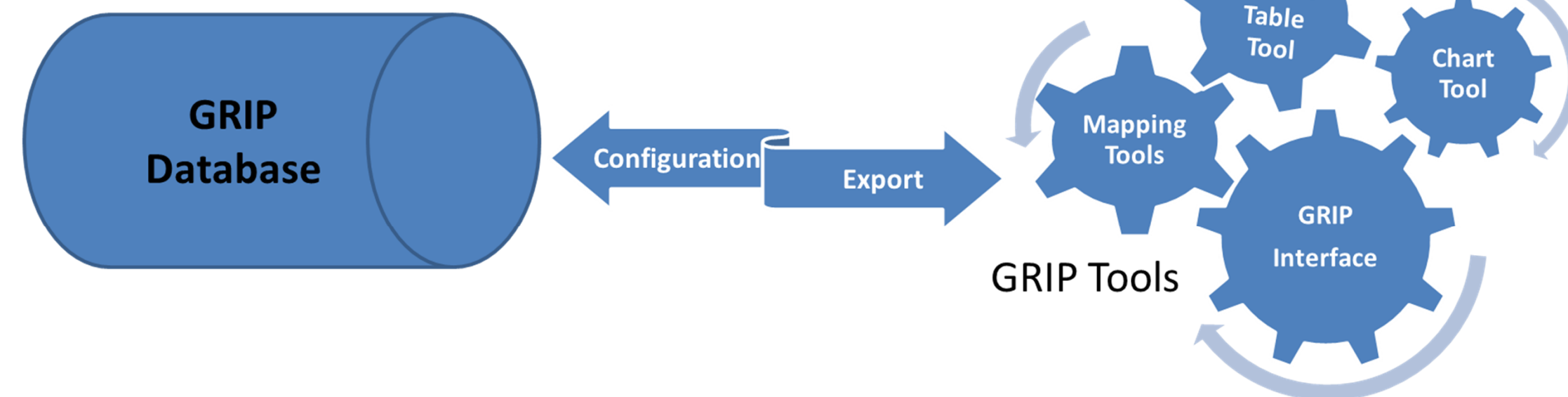
# Groundwater Monitoring Report Streamlining Techniques

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SRS submits approximately 30 groundwater reports on a yearly basis to regulators and the public. Some cover vast areas and include hundreds of groundwater wells and thousands of analytical results to compile and present in a concise and informative way. Groundwater monitoring report components including color coded data charts, time-series plots, hydrographs, and analytical and field result labels to be used in planar maps and cross-sections have been automated using custom designed graphical interface tools called GRIP (Groundwater Report Information Processor) tools. Doing so has greatly reduced the amount of time and cost of producing reports, improved data interpretation, reduced errors, and ensured a consistent and reproducible product.



Translation Process



### Translation Process

**KLP BRP Annual Groundwater Report**

Permits: [ ] KBRP/KRP OU MNA MZ, [ ] LBRP/LRP OU MNA MZ, [ ] FBRP ROD Effectiveness Monitoring Requirements

Year: 2011

Beginning Date: Wednesday, January 01, 2014

Ending Date: Wednesday, December 31, 2014

Analyte Seq List, Sampling Event Name, Station Seq List, Sample Seq List, Station ID List

Buttons: Analyze, Field, Import from Excel File, Cancel

### GRIP Database Table

STATION_SEQ	STATION_ID	COLLECTION_DT	ANALYTE_NM	LAB_QUA	DETECTI	SAMPLE_RESULT_NO	MSLINC	MAP_LBL
1013894	MSB 5C	8/12/2014	TRICHLOROETHYLENE (TCE)	U	0.25	13	50	1013894 520
1013896	MSB 6A	8/28/2014	TRICHLOROETHYLENE (TCE)	U	0.25	1	1	1013896 <EQU(1)
1013897	MSB 6B	9/11/2014	TRICHLOROETHYLENE (TCE)	U	0.25	63	250	1013897 5800

### GRIP Interface

**Configure Well Flags**

Set Well Type: Monitoring Well

Well Sub-Use: None

Cluster Name: LFW 23R

Report Aquifer: SPAU

Well Lineage: LFW 23R, LFW 23

Buttons: Save, Cancel

### GRIP Interface

**Report Tree View**

Report: Sanitary Landfill Annual Report

Permit: Sanitary Landfill

- Suite: SLF Appendix IX
- Suite: SLF Compliance Monitoring Constituents
- Suite: SLF Corrective Action/ACL MZ Constituents (ug)
- Suite: SLF Field Data Suite
- Suite: SLF Non-Hazardous Water Quality Monitoring Co

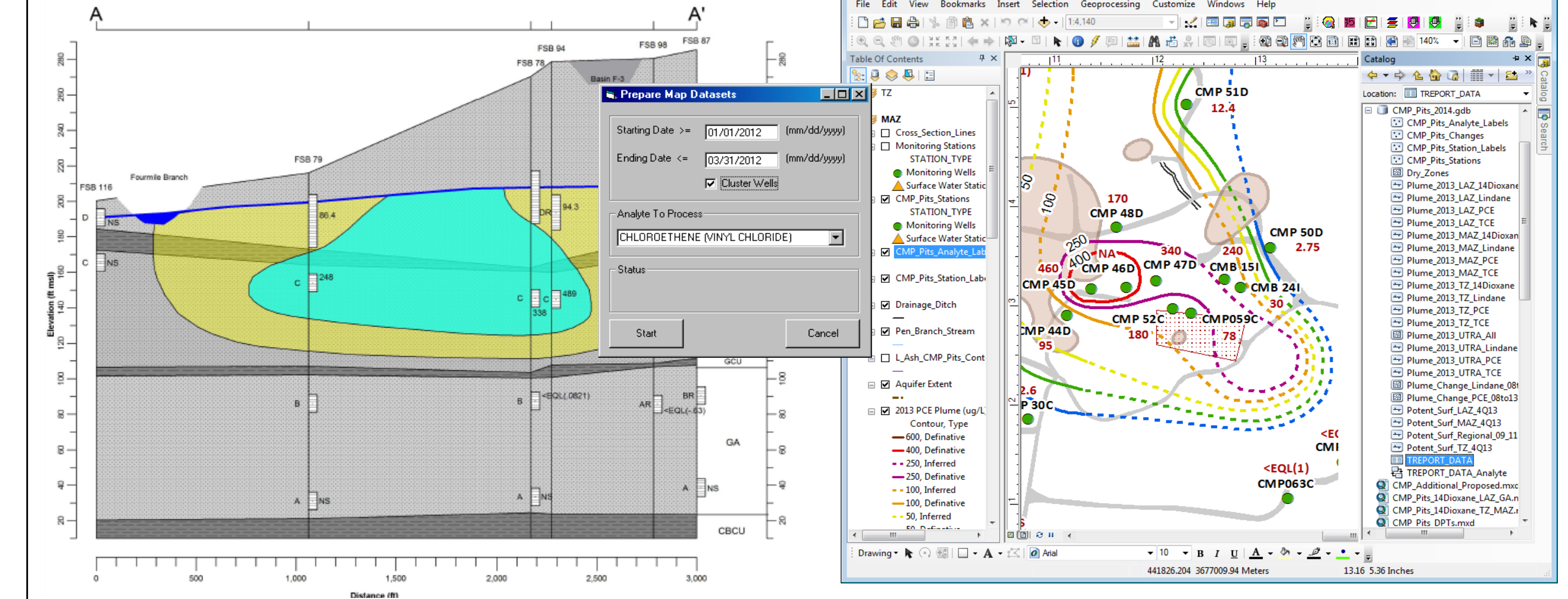
Well Use: Background Well

Well LFW 430

Well LFW 430

Well Use: Groundwater Remediation Well

### Mapping Tools



### Matrix Table Tool

Table B-3. SLF Corrective Action/ACL MZ Constituent Results, 3rd Quarter 2014

Station	Well Use	Aquifer Zone	06-Aug-2014	07-Aug-2014	08-Aug-2014	09-Aug-2014	10-Aug-2014	11-Aug-2014	12-Aug-2014	13-Aug-2014	14-Aug-2014	15-Aug-2014	16-Aug-2014	17-Aug-2014	18-Aug-2014	19-Aug-2014	20-Aug-2014	21-Aug-2014	22-Aug-2014	23-Aug-2014	24-Aug-2014	25-Aug-2014	26-Aug-2014	27-Aug-2014	28-Aug-2014	29-Aug-2014	30-Aug-2014	31-Aug-2014	
LFW 23R	Background Well	SPAU	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

### Chart Tool

