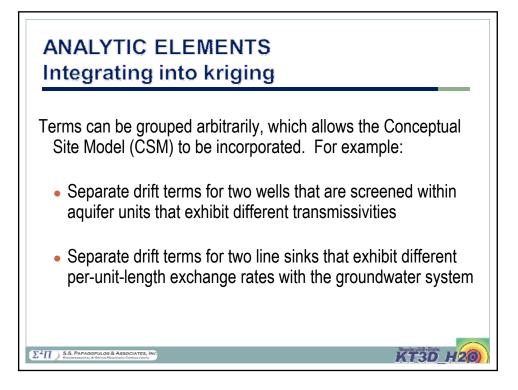
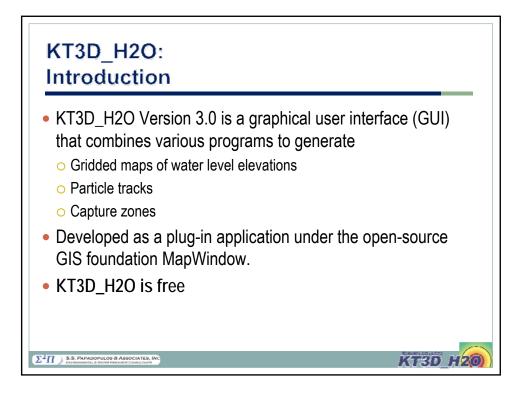
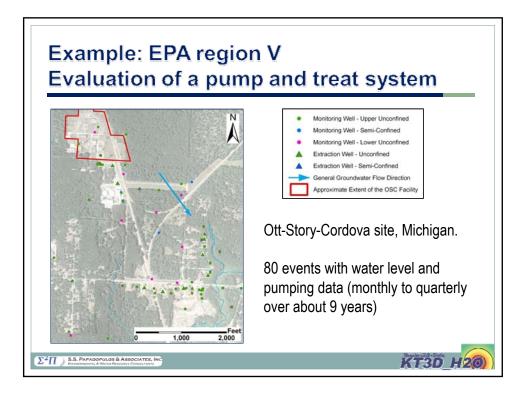
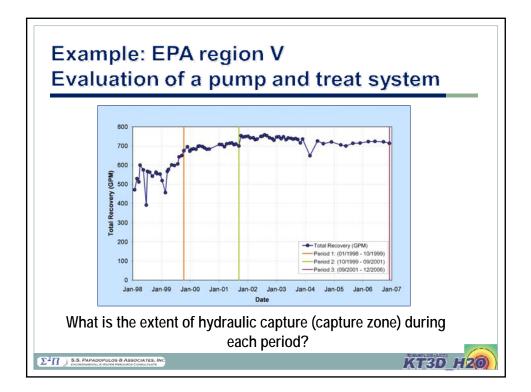


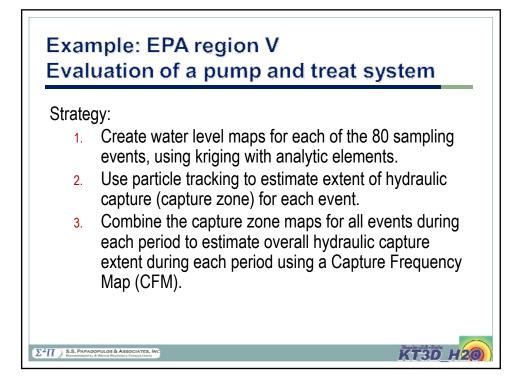
## ANALYTIC ELEMENTS Integrating into kriging Combine with superposition: h(x,y) = a + bx + cy + d∑1clog10(ri) + e∑1L(ri) + f∑1P(ri) + ε(x,y) These expressions contain variables assumed constant for a set of drift terms (e.g., transmissivity), and variables that can change for each drift term (e.g., extraction rate) • Variables that are constant for a set of drift terms lie outside of summations • Variables that can change for each drift term lie inside summations

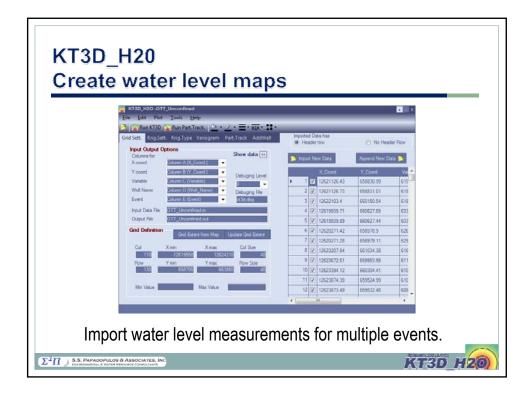


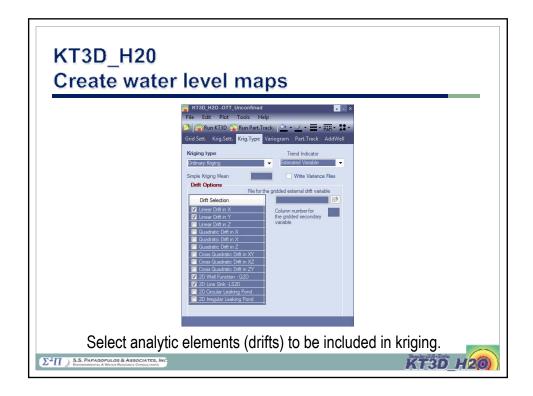




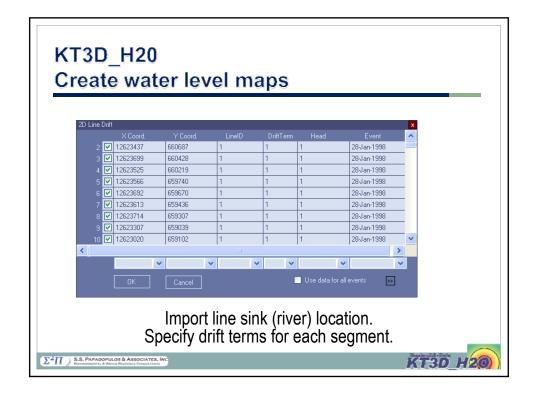


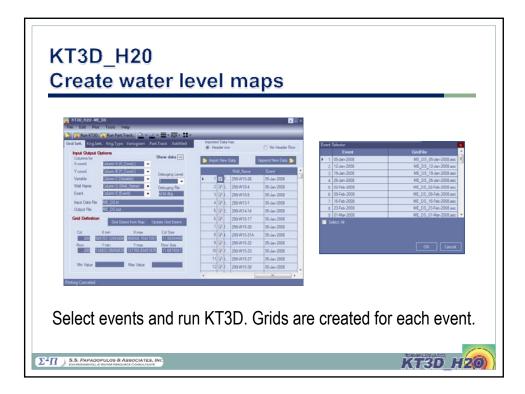


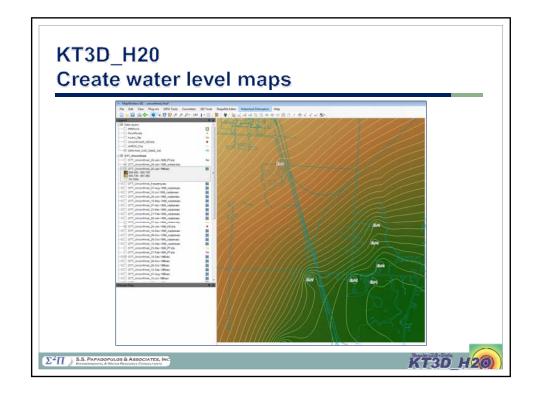


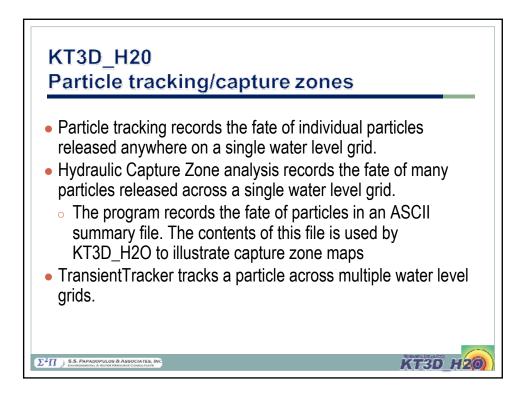


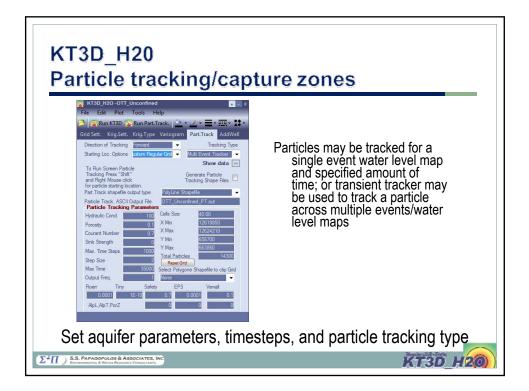
2D Well	Drift					0				-		X
	<b>V</b>	X Coord. 566613.4375		Y Coord.		Q	Well Name 299-W15-34		Drift Term	Recovery	Event	Ê
	_	566490.125	_	136210 03125	_	39.974781	299-W15-43	-	1		05-Jan-2008	-
		566697		136373 0625		23.312256	299-W15-765	-	1		05-Jan-2008	-
		566776.4375		135642.375		54.581201	299-W15-47		1		05-Jan-2008	-
		567634.75	_	135017.04688	_	5.6329032	299-W19-36		1		05-Jan-2008	1
		566652.5	_	136204.96875	_	5.8934173	299-W15-40		1		05-Jan-2008	
		565921.1875	_	135506	_	-78.38692	299-W15-29		2		05-Jan-2008	1
		566432.9375		135961.15625	_	25.233256	299-W15-45		1		05-Jan-2008	1
		565908.625	_	135419.39063	_	-92.41295	299-W18-36		2		05-Jan-2008	1
		565904.375		135323.4375		-67.02119	299-W18-37		2		05-Jan-2008	~
			~		~	~		~	×	~		
		ок		Cancel			Line data	a fo	or all events		ow Data 🔉	
				Cancer			Use data					

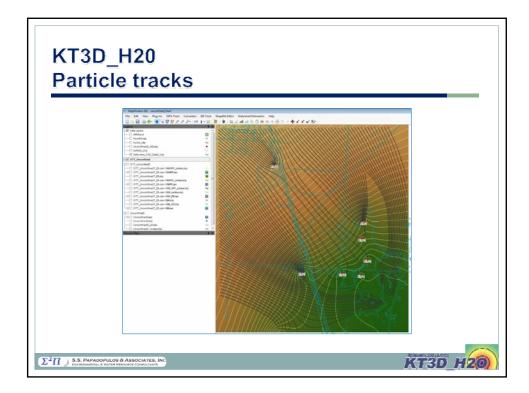


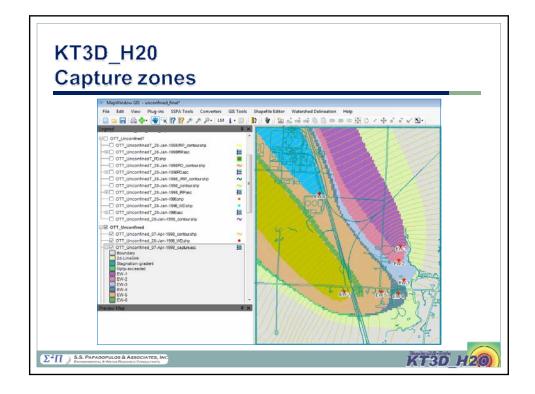


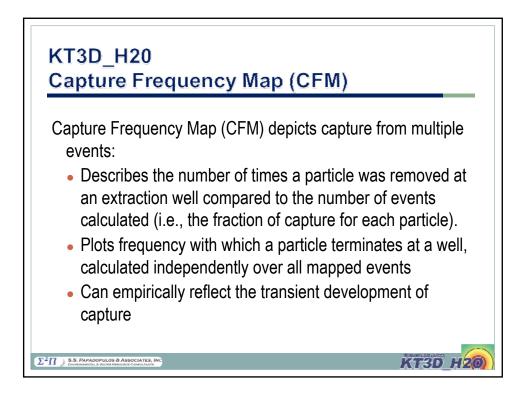


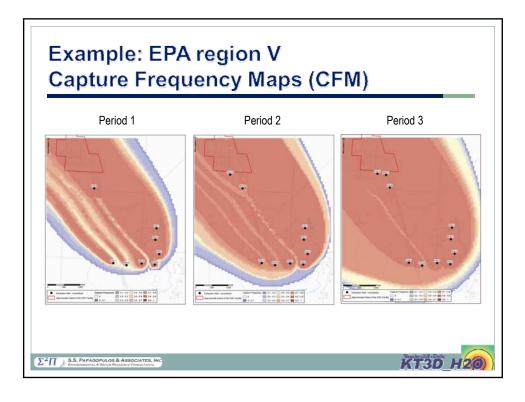


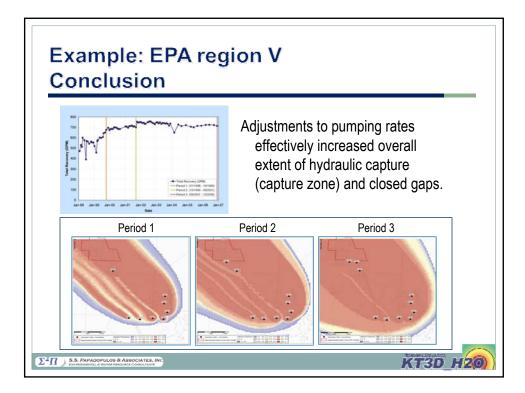












## Summary

Σ<sup>2</sup>Π ) 5.5. PAPADOPULOS & ASS

- Incorporation of analytic elements into kriging produces a more accurate water elevation map, resulting in better estimates of hydraulic capture (capture zones)
- A Capture Frequency Map (CFM), which represents the combination of capture zone maps for multiple events, illustrates the transient development of capture
- KT3D\_H20, a free, open-source plug-in for MapWindows GIS, provides a simple user interface for the implementation of these analysis methods.

KT3D H20



