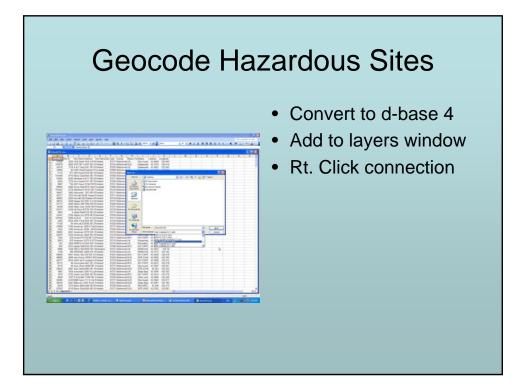
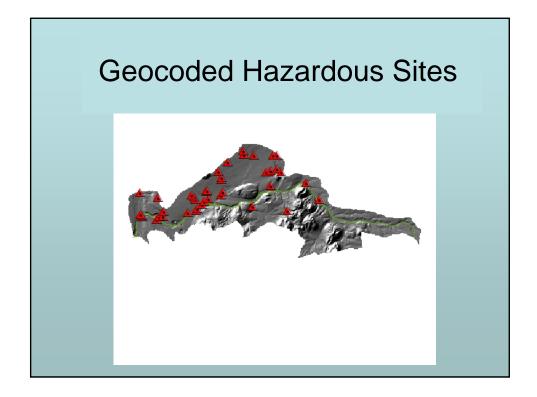


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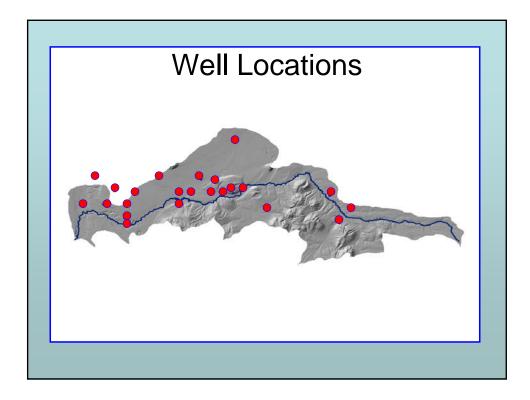
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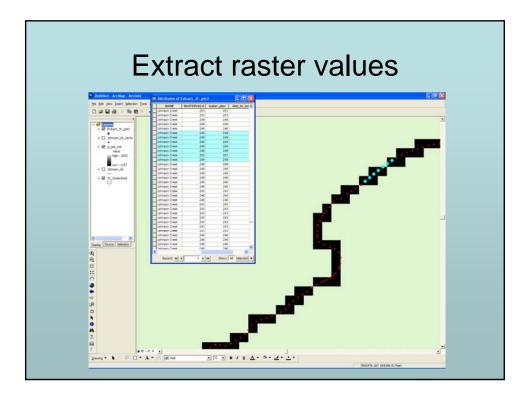
- Obtain & geocode hazardous site data from DEQ
- · Create table of well points
 - Convert Lat/Long to Decimal Degrees
 - Import X-Y data
- Create surface water point data
- Determine semivariogram
- Perform data Interpolation
 - Kriging, Cokriging, Spline, IDW
- Reclassify to get 10 ft DTW
- Intersect hazardous sites where the DTW is 10 ft or less

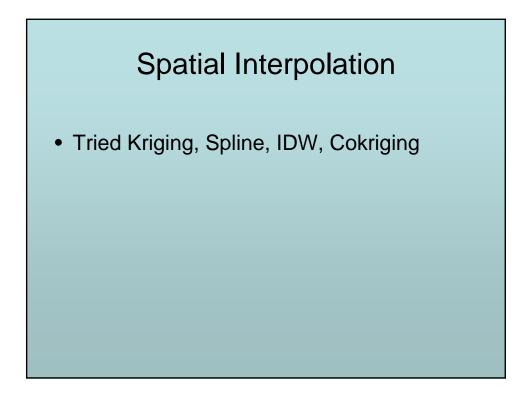


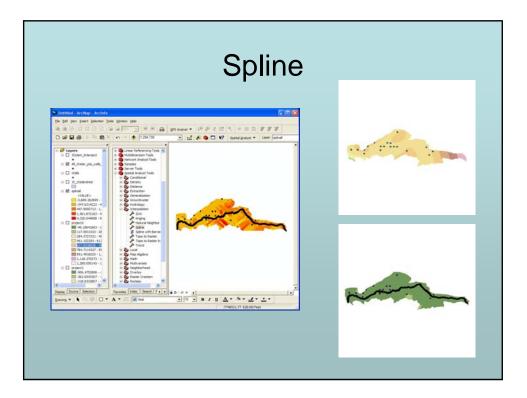


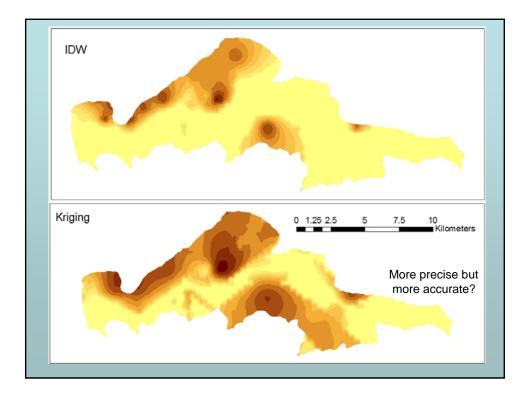
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7	2	45.463		415	22	393	23.27	391.73	20.27	394.73	
8	3	45.469278		382	107.99	274.01	115.2	266.8	109.22	272.78	
9	4	45.472139		481	96.46	384.54	106.5	374.5	95.16	385.84	_
10	5	45.472794		198	97.05	100.95	96.84	101.16	97.2	100.8	-
11	6	45.4733		216	41.86	174.14	41.27	174.73	39.11	176.89	
12	7	45.473589	-122.5986	258	117.16	140.84	115.05	142.95	115.41	142.59	-
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15	11	45 477783		243	7.15	235.85	11.74	231.26	10.02	232.98	-
16	12	45.477163		243	13.59	233.65	16.45	229.55	11.95	232.96	
18	13	45 477936		206	-1.33	207.33	D	D	-0.34	206.34	
19	14	45 478472		243	7.8	235.2	13.64	229.36	9.55	233.45	
20	15	45.478667		339	2.67	336.33	6.17	332.83	2.63	336.37	
21	16	45,48095		235	87.42	147.58	84.98	150.02	82.67	152.33	
22	17	45.481758		276	41.81	234.19	46.5	229.5	42.52	233.48	
23	18	45.482894	-122.54118	203	22.67	180.33	23.1	179.9	19.19	183.81	
24	19	45.482986	-122.51944	273	64.13	208.87	65.34	207.66	57.11	215.89	
25	20	45.483153		241	127.72	113.28	127.14	113.86	127.61	113.39	
26	21	45.485903		129	61.24	67.76	61.22	67.78	61.22	67.78	
27	22		-122.52466	229	43.49	185.51	43.95	185.05	39.76	189.24	
28	23		-122.56777	252	106.76	145.24	110.85	141.15	102.96	149.04	
29	24		-122 51615	401	208 76	192.24	208.42	192.58	205.18	195.82	_
30	25	45.488697		191	7.7	183.3	9.56	181,44	4.04	186.96	
31	26	45.489031	-122.5678	261	90.36	170.64	89.56	171.44	82 39	178.61	-
32	27	45.516233	-122.49973	247	62.34	184.66	64.23	182.77	57.5	189.5	

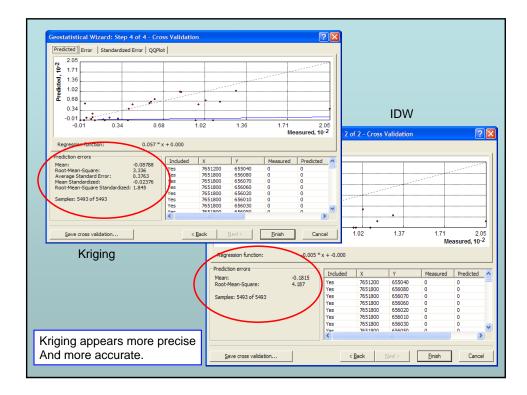






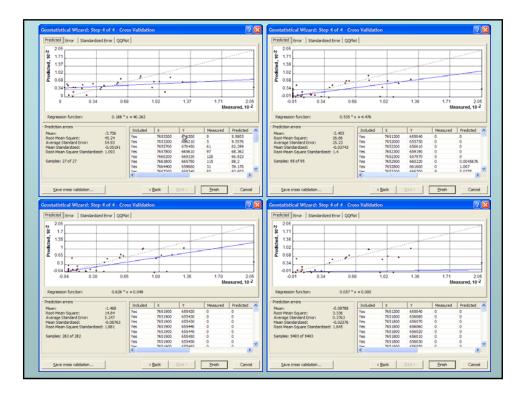


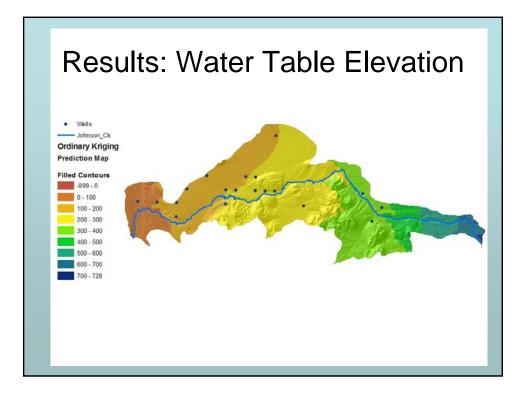


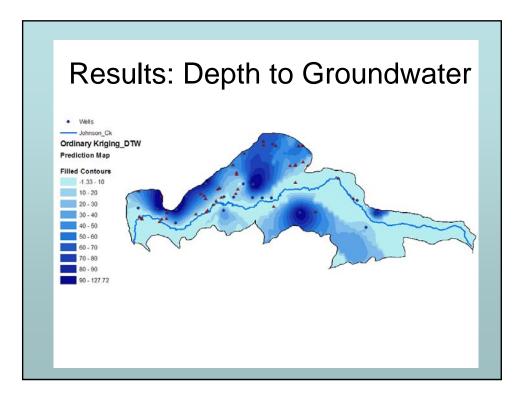


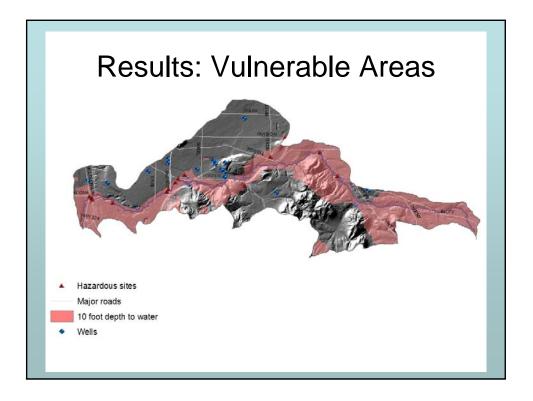
Determine semivariogram for Kriging

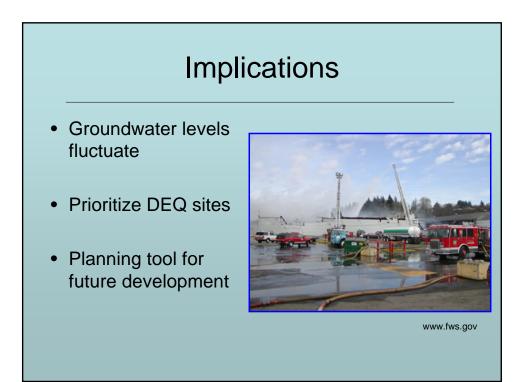
- Lag distance
- # of lags
- Anisotropy
- De-trend
- Model types
- # of known points











Limitations and possible sources of error

- Number and location of wells
- Soil type / permeability
- Semivariogram issues
- Toxicity unknown at DEQ sites

