SOFTWARE – TOOLS FOR DATA

Luke James

AG LEADER'S ROLE

To provide precision technologies tools, while educating users that the long-term solution for use of technology in agriculture is making decisions that are driven by the grower and based on their data.

The Value of Data

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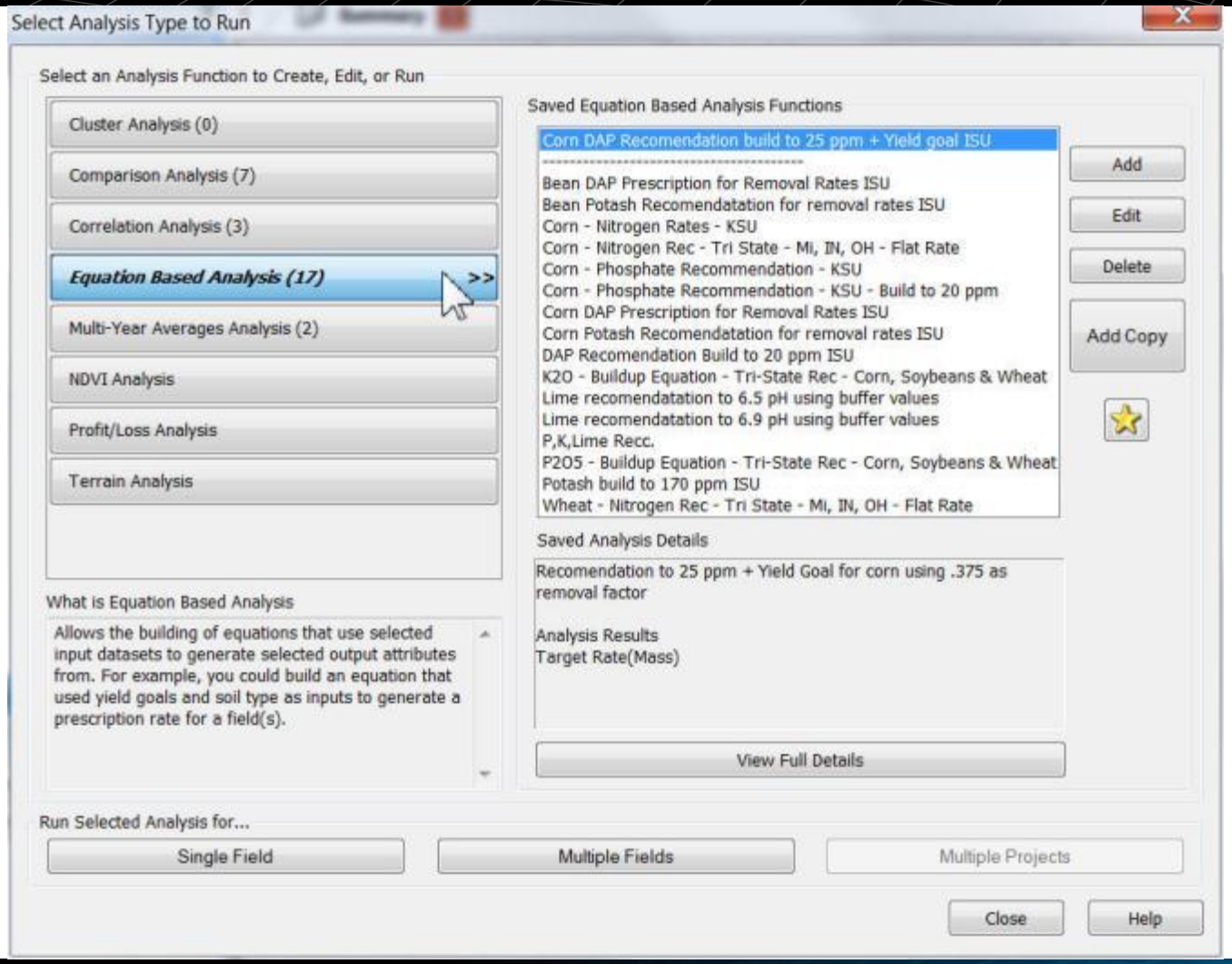
WE VALUE THE DATA

We value the data. Our files strive to record the information that is available and provide tools so that the data can be useful for decisions. This has taken much work.

WE VALUE THE DATA

SMS Software Supports:			
AGCO	Flexicoil	KINZE	RDS
Ag Leader	Gradient	KML/KMZ	Trimble
ALMACO	HARDI	Mid-Tech	Text files
AutoFarm	Hemisphere GPS (Outback)	New Holland	Image files
Case IH	ISO 11783	Precision Planting	Shape Files
CLAAS	John Deere	Raven	DEM Files

ANALYSIS TOOLS



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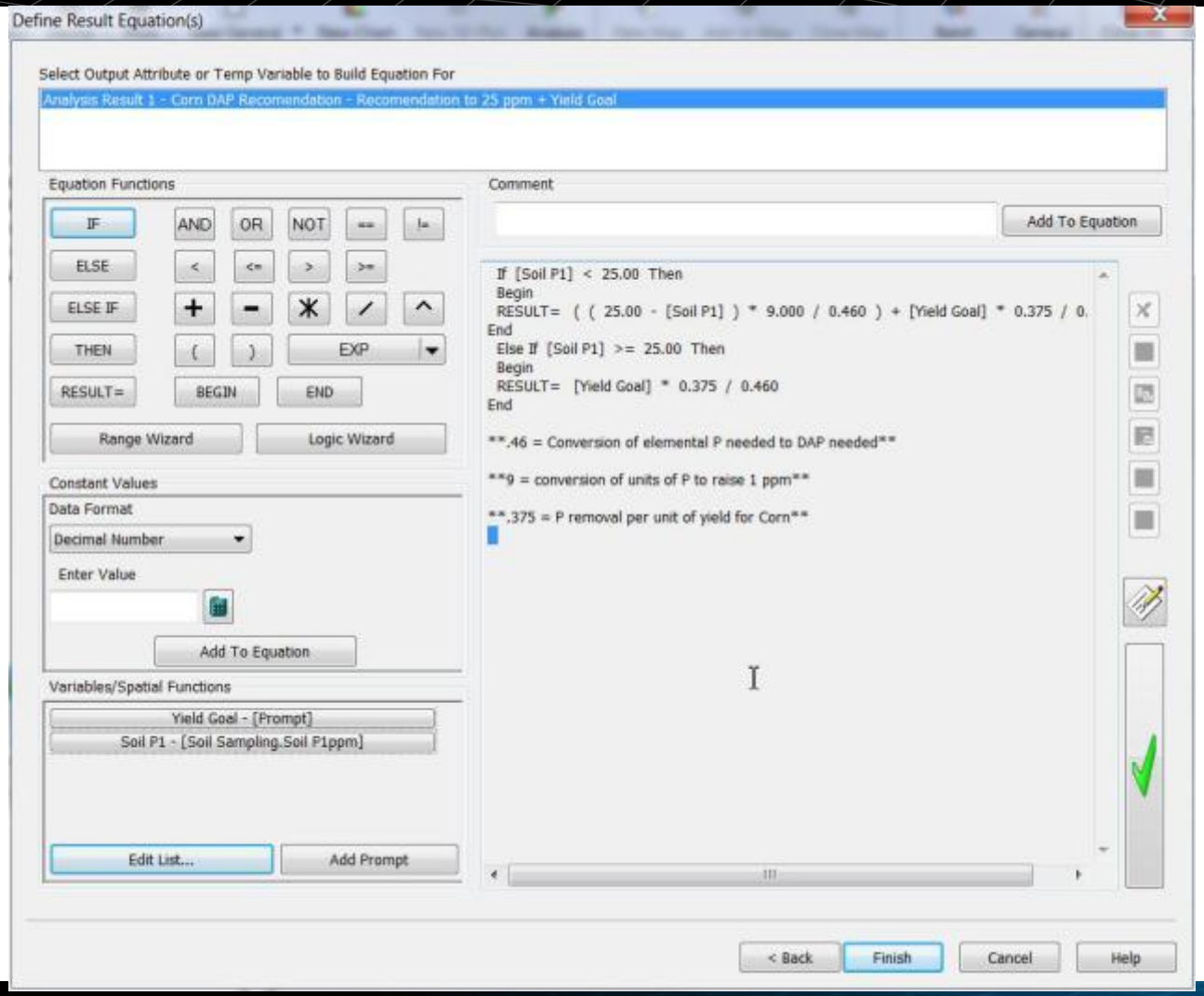
EQUATION BASED ANALYSIS



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COMPARISON ANALYSIS

Yield by Hybrid by Soil Type

Product - Name	Soil Type	Avg. Estimated Volume (Dry) bu/ac	Total Estimated Volume (Dry) bu	Min. Estimated Volume (Dry) bu/ac	Max. Estimated Volume (Dry) bu/ac	Avg. Moisture %	Total Moisture %	Min. Moisture %	Max. Moisture %	Area ac
209-76	Clearfield	123.91	14.70	74.48	153.26	13.67	150.07	13.53	13.79	0.119
	Clinton	169.25	927.81	107.00	195.86	13.92	3,988.0	13.34	14.59	5.482
	Colo	120.11	804.52	44.84	168.48	14.45	4,832.3	13.80	15.76	6.698
	Gara	138.09	788.74	29.94	181.26	14.48	4,054.9	13.95	15.35	5.712
	Hedrick	154.71	560.21	57.93	186.48	14.23	2,550.2	13.58	15.28	3.621
	Ladoga	206.20	225.78	147.96	247.92	18.35	972.40	13.63	24.96	1.095
	Lamoni	133.08	99.91	57.04	168.90	14.84	625.79	14.58	15.48	0.751
	Mahaska	192.28	1,638.9	142.60	247.92	14.91	6,402.1	13.43	25.69	8.524
	Otley	192.95	3,213.1	60.87	247.92	20.37	16,667	13.54	27.82	16.65
	Radford	103.68	125.84	50.18	126.13	14.35	904.74	13.99	14.76	1.214
	(All)	**168.44**	**8,399.6**	**29.94**	**247.92**	**16.52**	**41,148**	**13.34**	**27.82**	**49.87**
210-57STX	Clarinda	197.99	335.41	110.97	232.46	24.08	1,974.5	22.01	25.80	1.694
	Clearfield	166.77	478.94	82.94	230.39	24.40	3,391.5	23.21	26.09	2.872
	Clinton	209.95	1,192.8	104.56	247.56	25.45	6,999.0	23.12	27.76	5.681
	Ladoga	211.95	721.14	98.01	243.07	23.99	4,074.1	20.49	26.24	3.402
	Lamoni	205.36	33.94	185.08	225.47	24.72	197.73	24.36	25.12	0.165
	Mahaska	225.01	2,119.8	187.66	245.11	25.32	11,547	23.11	27.57	9.421
	Otley	215.93	2,806.1	137.53	243.07	25.60	16,101	23.03	27.50	13.00
	(All)	**212.20**	**7,688.1**	**82.94**	**247.56**	**25.18**	**44,285**	**20.49**	**27.76**	**36.23**
213-32VT3	Clarinda	199.50	956.22	106.91	253.88	23.10	5,360.2	20.93	25.23	4.793
	Clearfield	92.35	58.64	45.82	185.08	24.89	795.60	23.44	26.02	0.635
	Colo	159.21	3,489.5	61.69	245.27	17.42	18,496	13.82	25.76	21.92
	Gara	137.76	3,717.0	38.22	194.16	14.81	19,501	13.69	16.18	26.98
	Ladoga	166.69	644.21	68.02	247.92	20.92	4,360.0	13.86	25.68	3.865
	Lamoni	184.09	2,233.1	58.22	243.21	22.58	13,280	18.69	26.10	12.13
	Mahaska	195.84	109.86	104.22	240.91	23.74	708.65	21.57	25.75	0.561

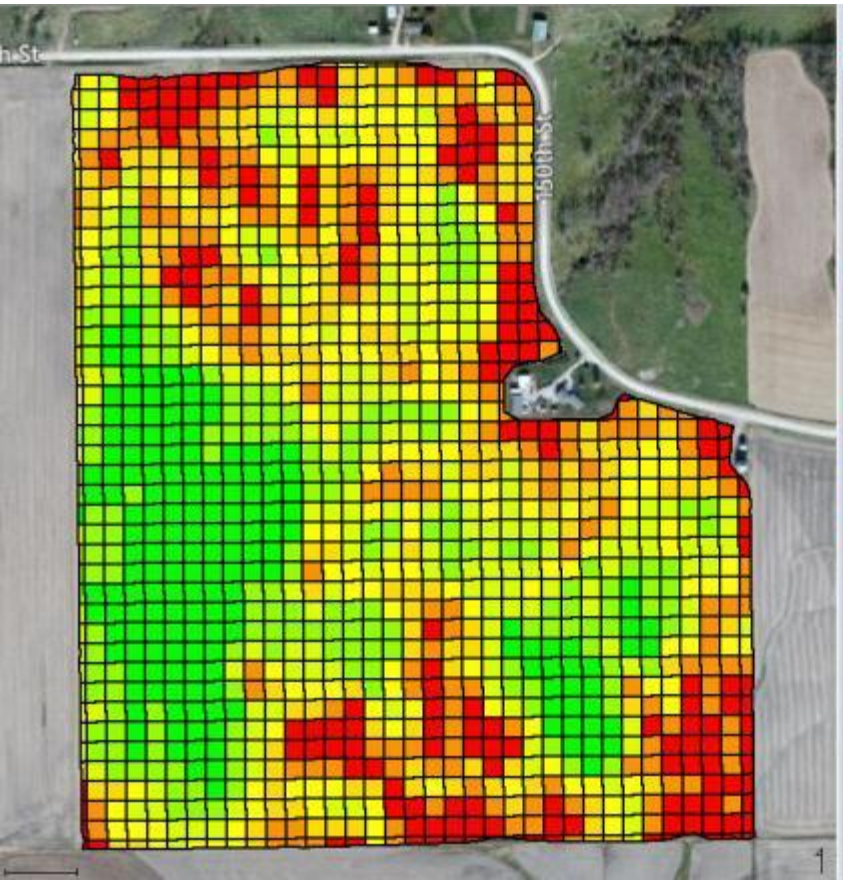
CORRELATION ANALYSIS

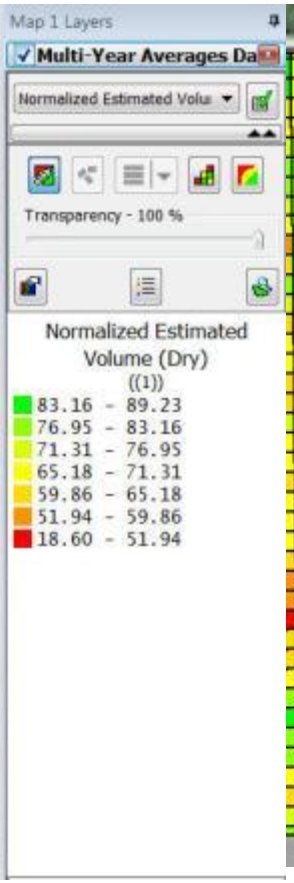
Yield correlation by soil OM, P1, K

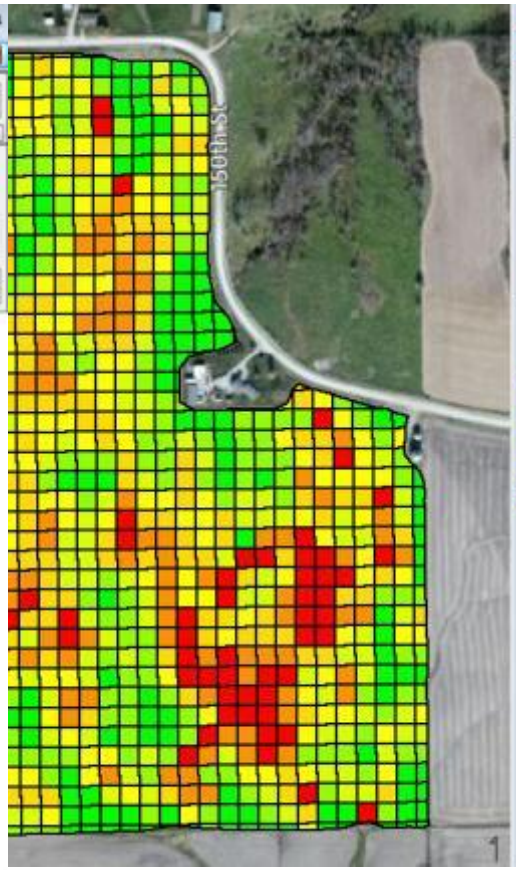
Analysis Description
2010 Harvest and Soil Sampling Data
(All) | (All) | (All) | 2008, 2009, 2010, 2011 | Grain Harvest | Corn | (All) | (All) | (All)
Analysis Results Estimated Volume (Dry) Soil OM Soil P1 Soil K

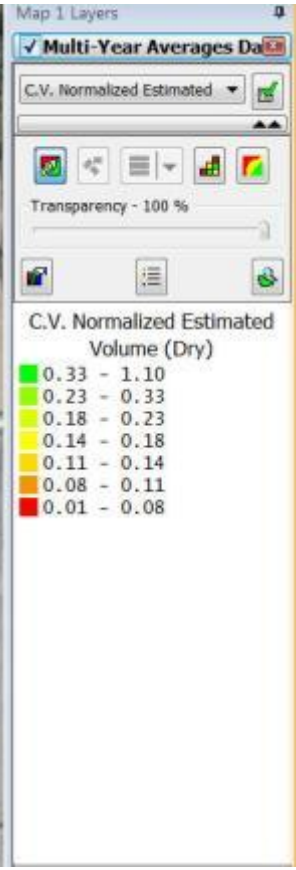
ATTRIBUTE	Estimated Volume (Dry)	Soil OM	Soil P1	Soil K
Estimated Volume (Dry)	1.000	-0.101	-0.135	-0.063
Soil OM	-0.101	1.000	0.264	0.326
Soil P1	-0.135	0.264	1.000	0.560
Soil K	-0.063	0.326	0.560	1.000

MULTI-YEAR AVG ANALYSIS









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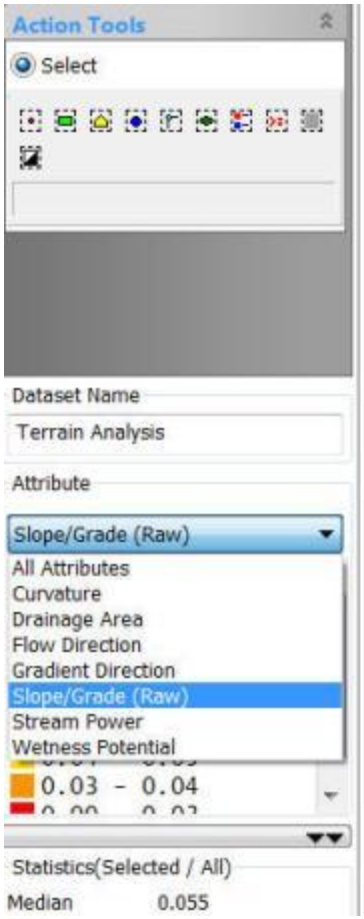
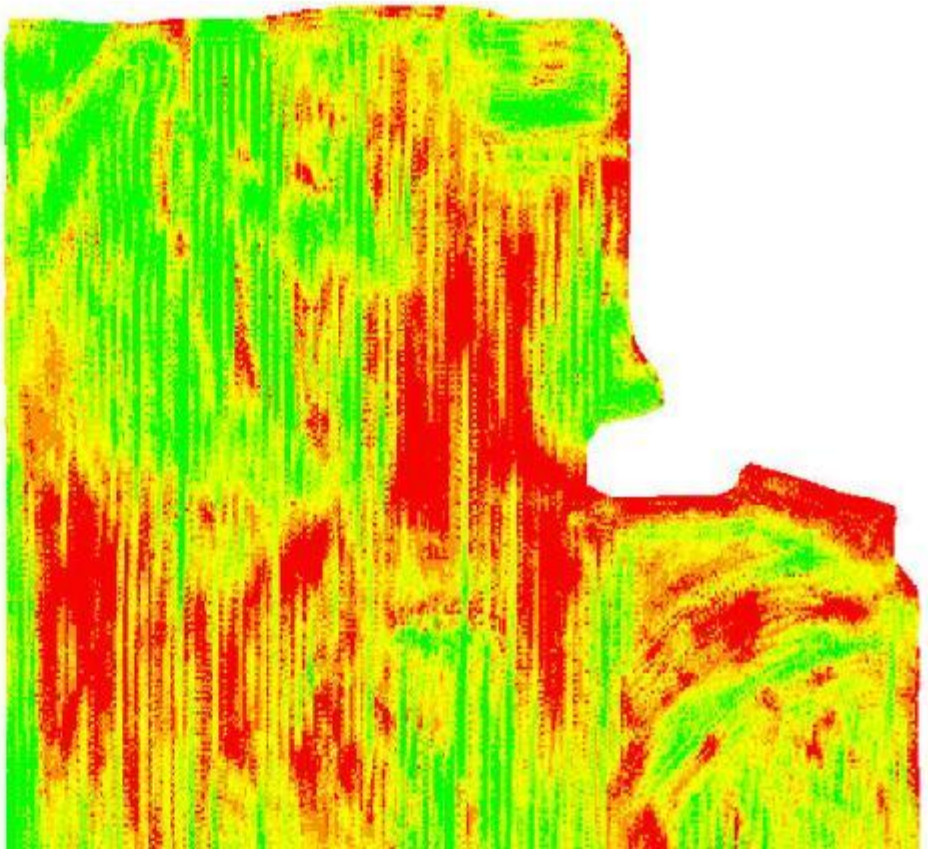
TERRAIN ANALYSIS





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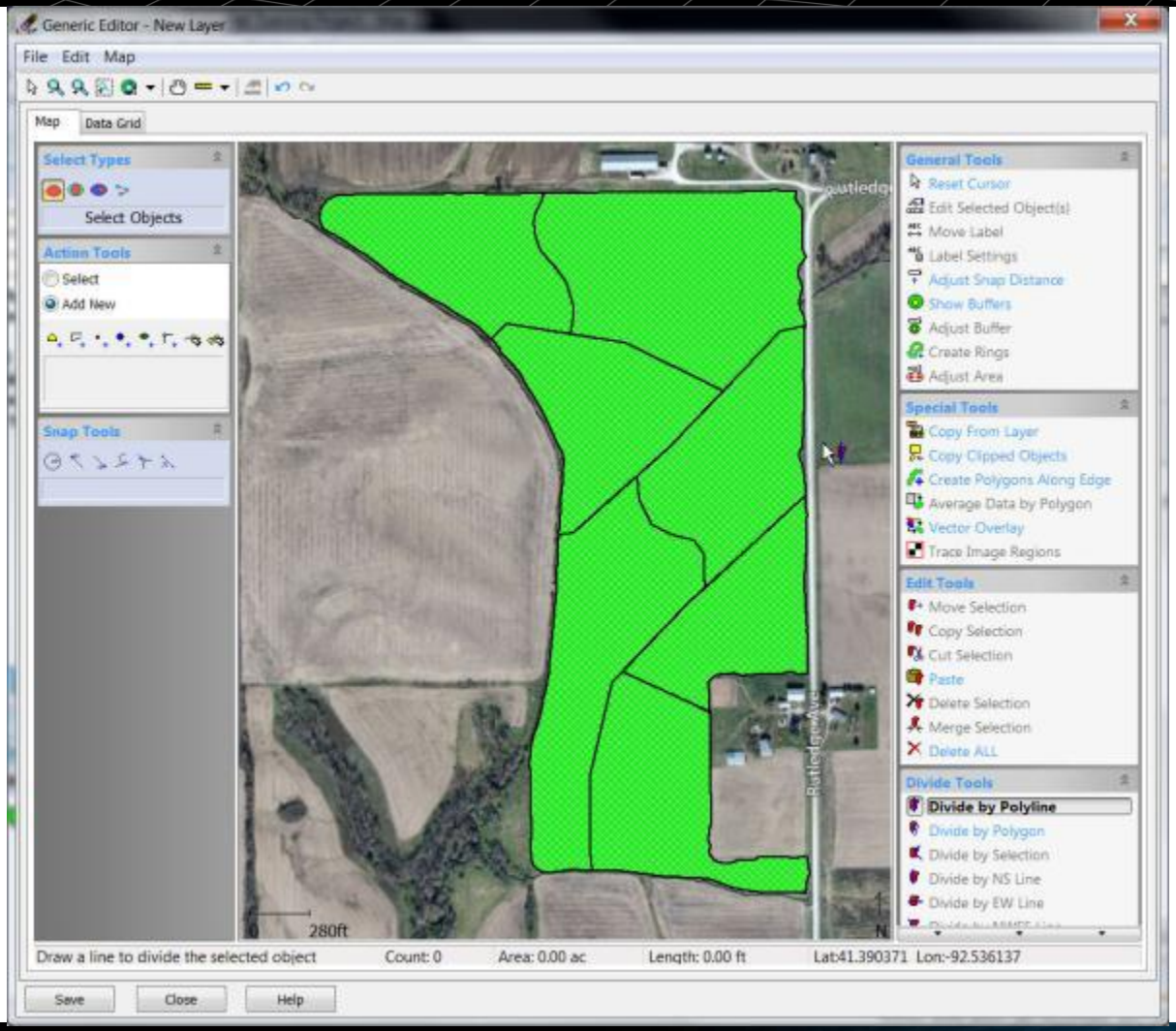

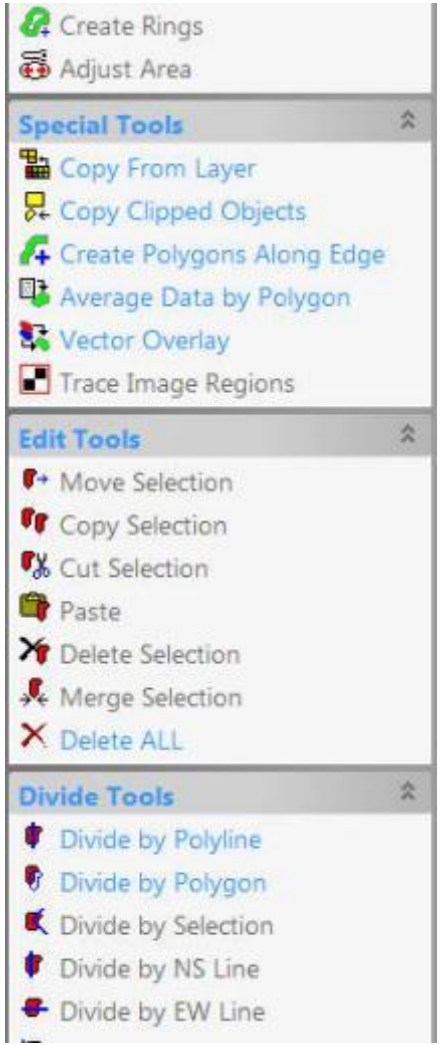

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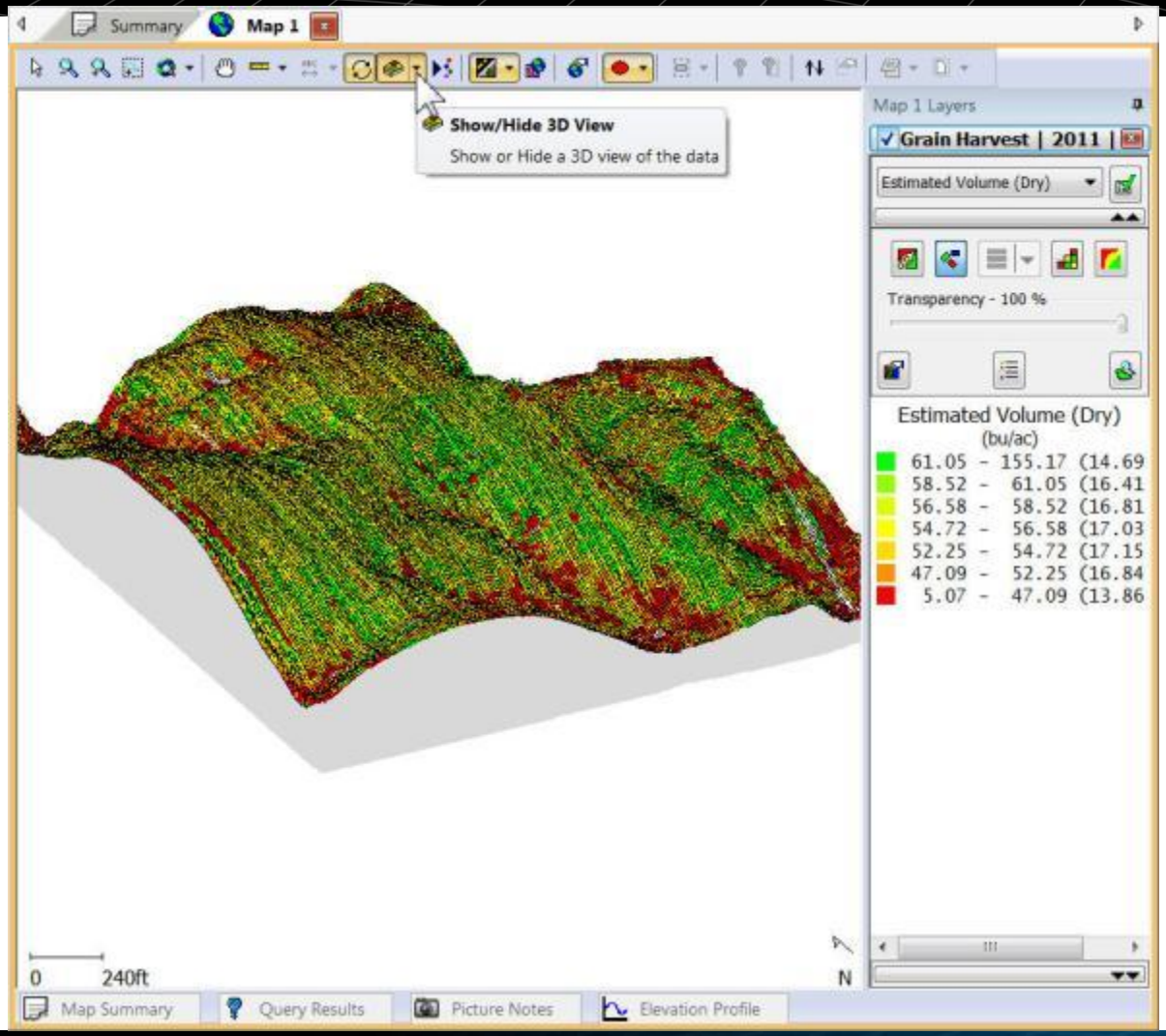
3D MAPPING



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TRAINING OPPORTUNITIES

- Monthly “free” on-line intro sessions for Basic, Advanced and Mobile
- Certified Training 1 and 2
  - The most common comment that we get from experienced and moderate users is “Wow..I wasn’t sure that I would get much out of this, but I learned so much, well worth the time.”
  - SMS.agleader.com
  - http://www.youtube.com/user/AgLeaderSMSTutorials

QUESTIONS?

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