COMMERCIAL FERTILIZER MANAGEMENT PLAN

Farm Summary Information

Mizzou Dairy Farm

EXAMPLE

COMMERCIAL FERTILIZER MANAGEMENT PLAN

Farm Summary Information

Mizzou Dairy Farm

Farm Contact Information:

New Franklin, MO
Contact:
Home Phone:
Office Phone:
E-mail:

Planner Name:

Planner Certification (if needed):

Plan Starting Date: October, 2007

Plan Duration: 4 year(s)

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This Farm Summary is the first part of the CFMP document. The next section contains year by year Farmer Plans and field recommendations.

Created by Missouri Commercial Fertilizer Management Plan (CFMP) Document Generator v. 0.20.24 on July 25, 2007

Revisions and reviews:

Date of Review or Revision	Planner ID	Planner Certification	Revision Page Number(s)	Comments

Comments:

EXAMPLE

Farm Contact Information: Mizzou Dairy Farm

New Franklin, MO
Home Phone:
Office Phone:
E-mail:

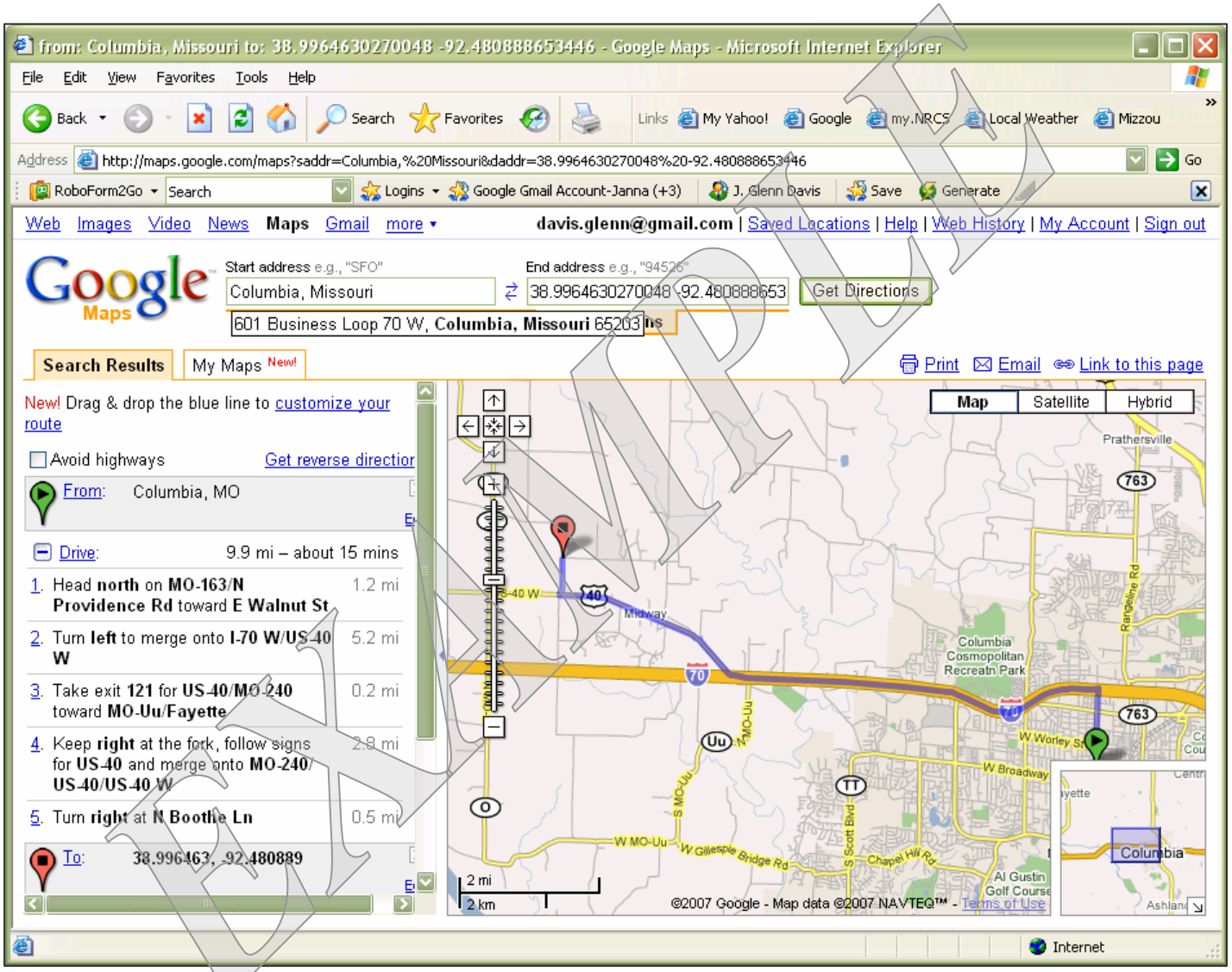
Table 1. Geographic information

Farm	County, State	FSA Tract Number	Legal Description (S-T-R)	Latitude-Longitude	Digital Ortho-photo Quads
	Boone County, MO		Sec. 26, T49N, R14W, Sec. 33, T49N, R14W, LG2835:Sec. 35, T49N, R14W, Sec. 3, T48N, R14W, Sec. 2, T48N, R14W, LG2800:Sec. 27, T49N, R14W,	38° 59' 47.3" N, 92° 28' 51.2" W	Sturgeon SW SW Huntsdale NW

Spatial information available from the CARES Map Room web site at http://www.cares.missouri.edu.

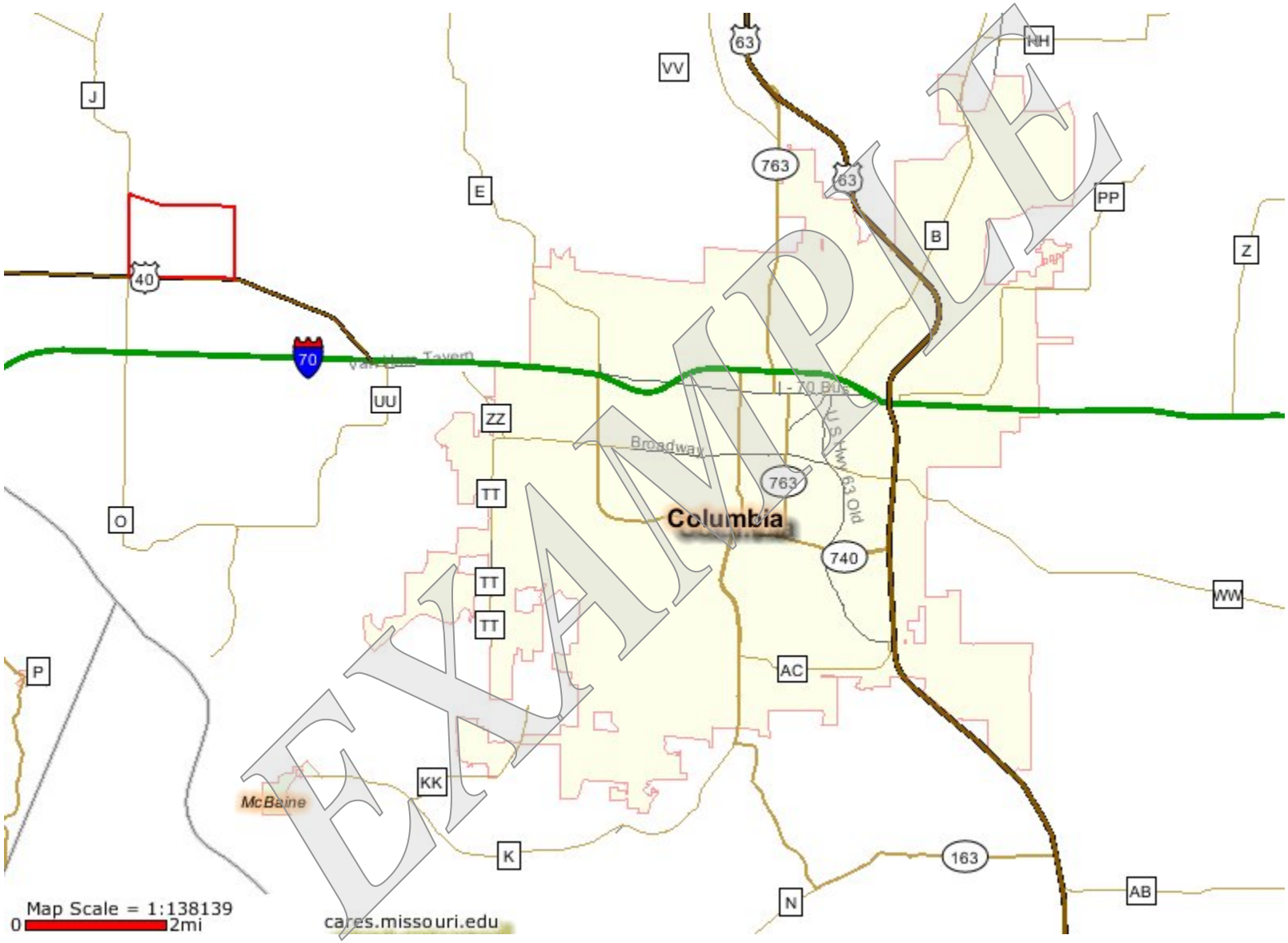
EXAMPLE

Driving instructions:



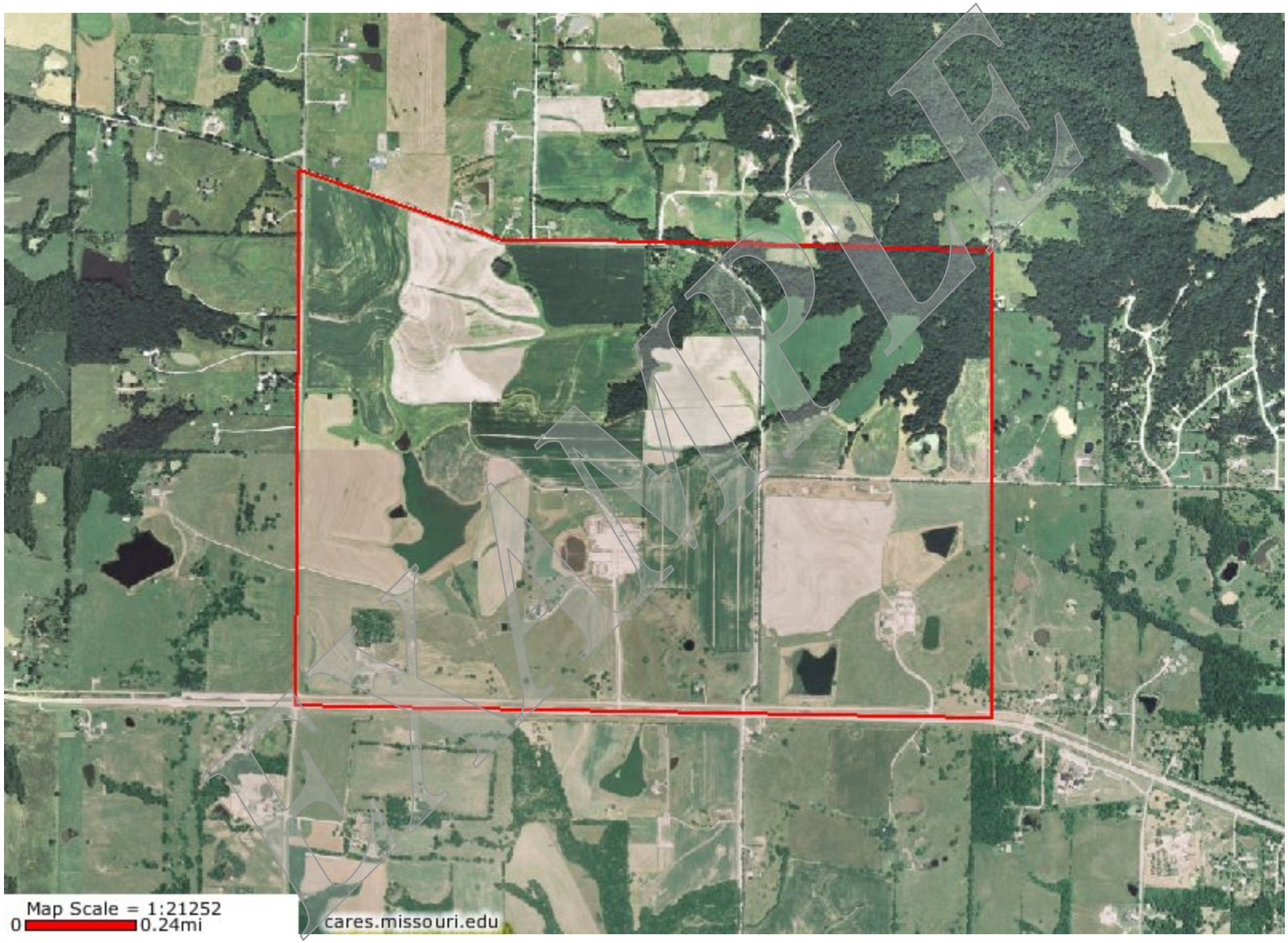
SAMPLE

Map 1. Farm location

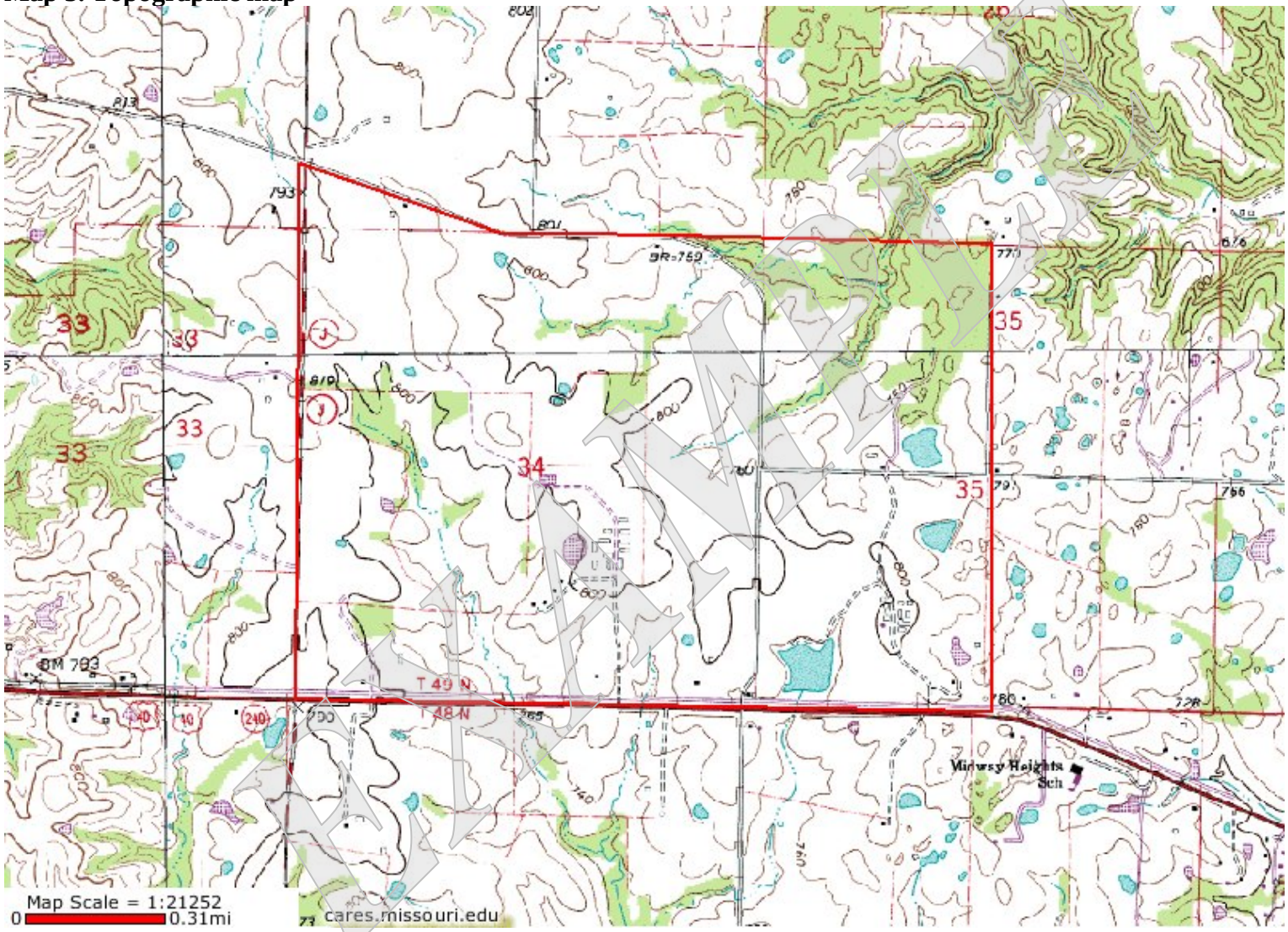


EXAMPLE

Map 2. Aerial photo



Map 3. Topographic map



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Map 4. Soil types

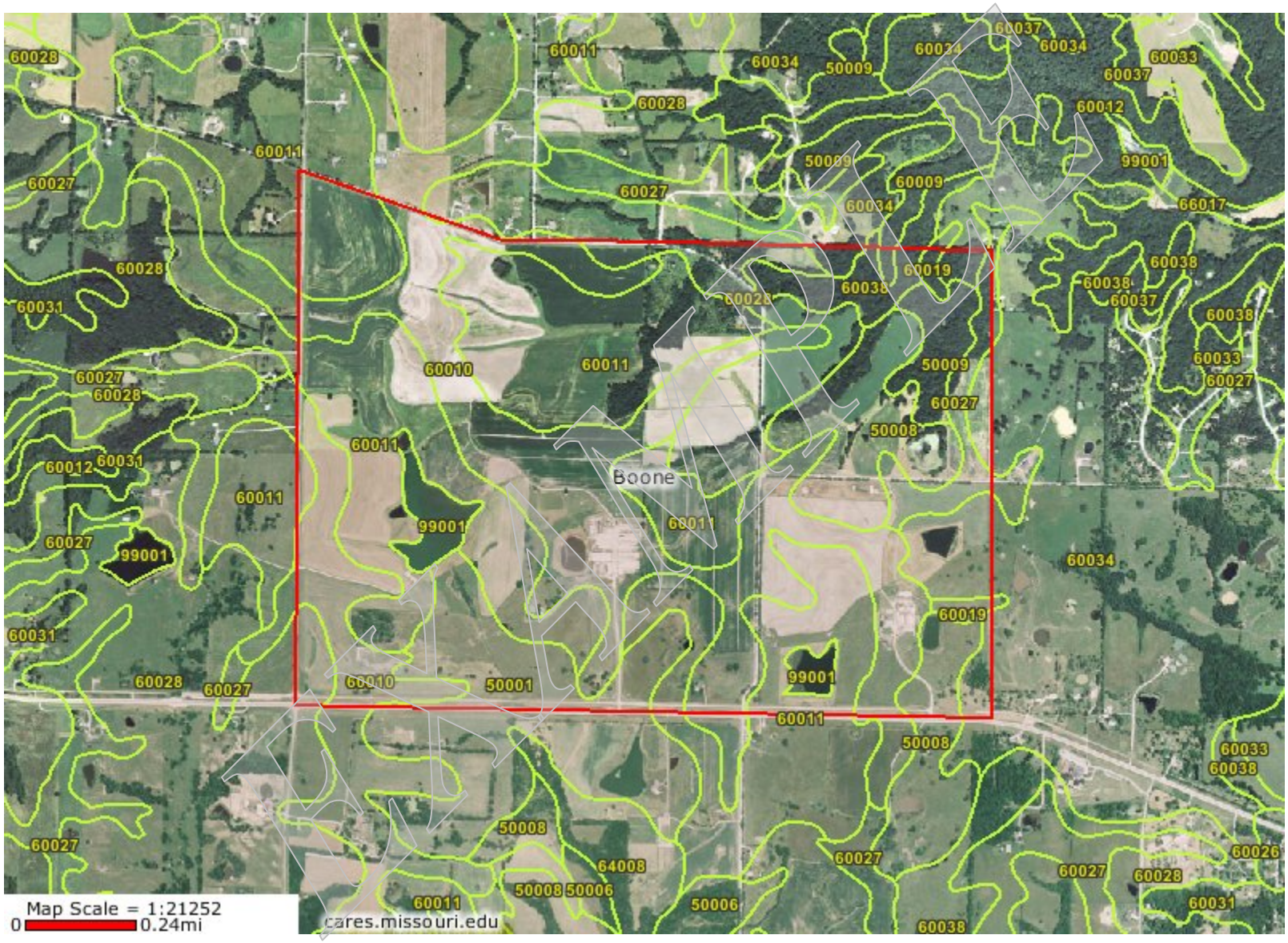

Table 2. Predominant soil type and map unit index

Field Name	Sub Field	Map Unit Name	Map Unit Symbol	Surface Texture	% Slope	Hydrologic Group
Field 1-CSGP		Arisburg	60011	SIL	3-6	
Field 2-CSGH		Arisburg	60011	SIL	3-6	
Field 3-CSGH		Arisburg	60011	SIL	3-6	
Field 4-CSb		Weller	60028	SIL	5-9	
Field 5-CSb		Arisburg	60010	SIL	1-3	
Field 6-SbC		Weller	60028	SIL	5-9	

Table 3. Soil test results

Field Name	Sub Field	Year	OM (%)	P	K	Mg	Ca	Unit	pH	CEC
Field 1-CSGP		2005	2	46	452	222	2820	lbs/acre	6.3	9.8
Field 2-CSGH		2005	2.3	35	452	168	2820	lbs/acre	6.2	10.2
Field 3-CSGH		2005	2.1	38	350	242	2290	lbs/acre	6	10
Field 4-CSb		2005	2.3	26	316	234	2642	lbs/acre	5.8	9.9
Field 5-CSb		2005	2.1	30	278	174	2422	lbs/acre	6.4	10
Field 6-SbC		2005	1.9	15	292	212	2694	lbs/acre	5.8	9.8

EXAMPLE

Table 4. Annual crop removal/fertilizer recommendation per acre

Field Name	Sub Field	Crop Year	Crop	Yield Goal	Units Per/acre	Crop Removal (lbs/acre)			Fertilizer Rec. (lbs/acre)		
						N	P_2O_5	K_2O	N	P_2O_5	K_2O
Field 1-CSGP		2008	Cool season grass pasture	3	Ton	120	9	34	120	5	0
Field 1-CSGP		2009	Cool season grass pasture	3	Ton	120	9	34	120	5	0
Field 1-CSGP		2010	Cool season grass pasture	3	Ton	120	9	34	120	5	0
Field 1-CSGP		2011	Cool season grass pasture	3	Ton	120	9	34	120	5	0
Total						480	36	136	480	20	0
Field 2-CSGH		2008	Cool season grass hay	3	Ton	120	27	102	120	35	0
Field 2-CSGH		2009	Cool season grass hay	3	Ton	120	27	102	120	35	0
Field 2-CSGH		2010	Cool season grass hay	3	Ton	120	27	102	120	35	0
Field 2-CSGH		2011	Cool season grass hay	3	Ton	120	27	102	120	35	0
Total						480	108	408	480	140	0

EXAMPLE

Table 4. Annual crop removal/fertilizer recommendation per acre

Field Name	Sub Field	Crop Year	Crop	Yield Goal	Units Per/acre	Crop Removal (lbs/acre)			Fertilizer Rec. (lbs/acre)		
						N	P_2O_5	K_2O	N	P_2O_5	K_2O
Field 3-CSGH		2008	Cool season grass hay	3	Ton	120	27	102	120	30	0
Field 3-CSGH		2009	Cool season grass hay	3	Ton	120	27	102	120	30	0
Field 3-CSGH		2010	Cool season grass hay	3	Ton	120	27	102	120	30	0
Field 3-CSGH		2011	Cool season grass hay	3	Ton	120	27	102	120	30	0
Total						480	108	408	480	120	0
Field 4-CSb		2008	Corn grain	160	Bushels	144	72	48	140	95	30
Field 4-CSb		2009	Soybeans	40	Bushels	140	34	58	0	55	40
Field 4-CSb		2010	Corn grain	160	Bushels	144	72	48	140	95	30
Field 4-CSb		2011	Soybeans	40	Bushels	140	34	58	0	55	40
Total						568	212	212	280	300	140

EXAMPLE

Table 4. Annual crop removal/fertilizer recommendation per acre

Field Name	Sub Field	Crop Year	Crop	Yield Goal	Units Per/acre	Crop Removal (lbs/acre)			Fertilizer Rec. (lbs/acre)		
						N	P_2O_5	K_2O	N	P_2O_5	K_2O
Field 5-CSb		2008	Corn grain	160	Bushels	144	72	48	140	90	45
Field 5-CSb		2009	Soybeans	40	Bushels	140	34	58	0	50	55
Field 5-CSb		2010	Corn grain	160	Bushels	144	72	48	140	90	45
Field 5-CSb		2011	Soybeans	40	Bushels	140	34	58	0	50	55
Total						568	212	212	280	280	200
Field 6-SbC		2008	Soybeans	40	Bushels	140	34	58	0	75	50
Field 6-SbC		2009	Corn grain	160	Bushels	144	72	48	140	110	40
Field 6-SbC		2010	Soybeans	40	Bushels	140	34	58	0	75	50
Field 6-SbC		2011	Corn grain	160	Bushels	144	72	48	140	110	40
Total						568	212	212	280	370	180

EXAMPLE

Table 5. Annual nutrient balance per acre[1]

Field Name	Sub Field	Crop Year	Applied Nutrients (lbs/acre)			Balance Based on Crop Removal (lbs/acre)			Balance Based on Fertilizer Rec. (lbs/acre)		
			N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
Field 1-CSGP		2008	120	0	0	0	-9	-34	0	-5	0
Field 1-CSGP		2009	120	0	0	0	-9	-34	0	-5	0
Field 1-CSGP		2010	120	0	0	0	-9	-34	0	-5	0
Field 1-CSGP		2011	120	0	0	0	-9	-34	0	-5	0
Total			480	0	0	0	-36	-136	0	-20	0
Field 2-CSGH		2008	120	70	0	0	43	-102	0	35	0
Field 2-CSGH		2009	0	0	0	-120	-27	-102	-120	-35	0
Field 2-CSGH		2010	15	70	0	-105	43	-102	-105	35	0
Field 2-CSGH		2011	0	0	0	-120	-27	-102	-120	-35	0
Total			135	140	0	-345	32	-408	-345	0	0

[1] Positive numbers indicate more nutrients are being applied than removed. Negative numbers indicate more nutrients are being removed than applied and may require additional fertilizer.

EXAMPLE

Table 5. Annual nutrient balance per acre[1]

Field Name	Sub Field	Crop Year	Applied Nutrients (lbs/acre)			Balance Based on Crop Removal (lbs/acre)			Balance Based on Fertilizer Rec. (lbs/acre)		
			N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
Field 3-CSGH		2008	13	60	0	-107	33	-102	-107	30	0
Field 3-CSGH		2009	0	0	0	-120	-27	-102	-120	-30	0
Field 3-CSGH		2010	13	60	0	-107	33	-102	-107	30	0
Field 3-CSGH		2011	0	0	0	-120	-27	-102	-120	-30	0
Total			26	120	0	-454	12	-408	-454	0	0
Field 4-CSb		2008	143	150	70	-1	78	22	3	55	40
Field 4-CSb		2009	0	0	0	-140	-34	-58	0	-55	-40
Field 4-CSb		2010	144	0	70	0	-72	22	4	-95	40
Field 4-CSb		2011	0	0	0	-140	-34	-58	0	-55	-40
Total			287	150	140	-281	-62	-72	7	-150	0

[1] Positive numbers indicate more nutrients are being applied than removed. Negative numbers indicate more nutrients are being removed than applied and may require additional fertilizer.

EXAMPLE

Table 5. Annual nutrient balance per acre[1]

Field Name	Sub Field	Crop Year	Applied Nutrients (lbs/acre)			Balance Based on Crop Removal (lbs/acre)			Balance Based on Fertilizer Rec. (lbs/acre)		
			N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
Field 5-CSb		2008	144	0	100	0	-72	52	4	-90	55
Field 5-CSb		2009	0	0	0	-140	-34	-58	0	-50	-55
Field 5-CSb		2010	144	0	100	0	-72	52	4	-90	55
Field 5-CSb		2011	0	0	0	-140	-34	-58	0	-50	-55
Total			288	0	200	-280	-212	-12	8	-280	0
Field 6-SbC		2008	39	185	90	-101	151	32	39	110	40
Field 6-SbC		2009	144	0	0	0	-72	-48	4	-110	-40
Field 6-SbC		2010	39	185	90	-101	151	32	39	110	40
Field 6-SbC		2011	144	0	0	0	-72	-48	4	-110	-40
Total			366	370	180	-202	158	-32	86	0	0

[1] Positive numbers indicate more nutrients are being applied than removed. Negative numbers indicate more nutrients are being removed than applied and may require additional fertilizer.

EXAMPLE