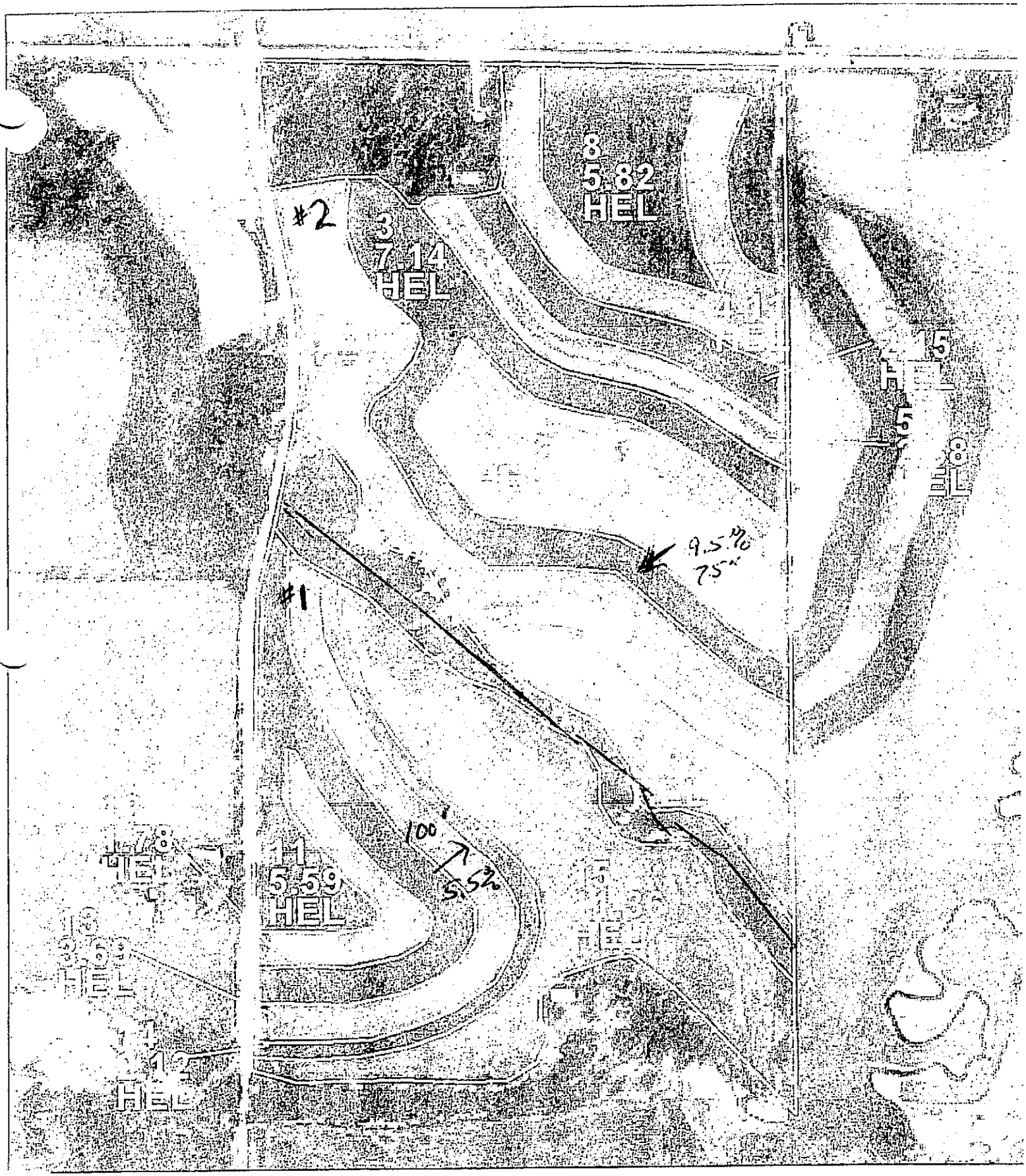
RUSLE 2



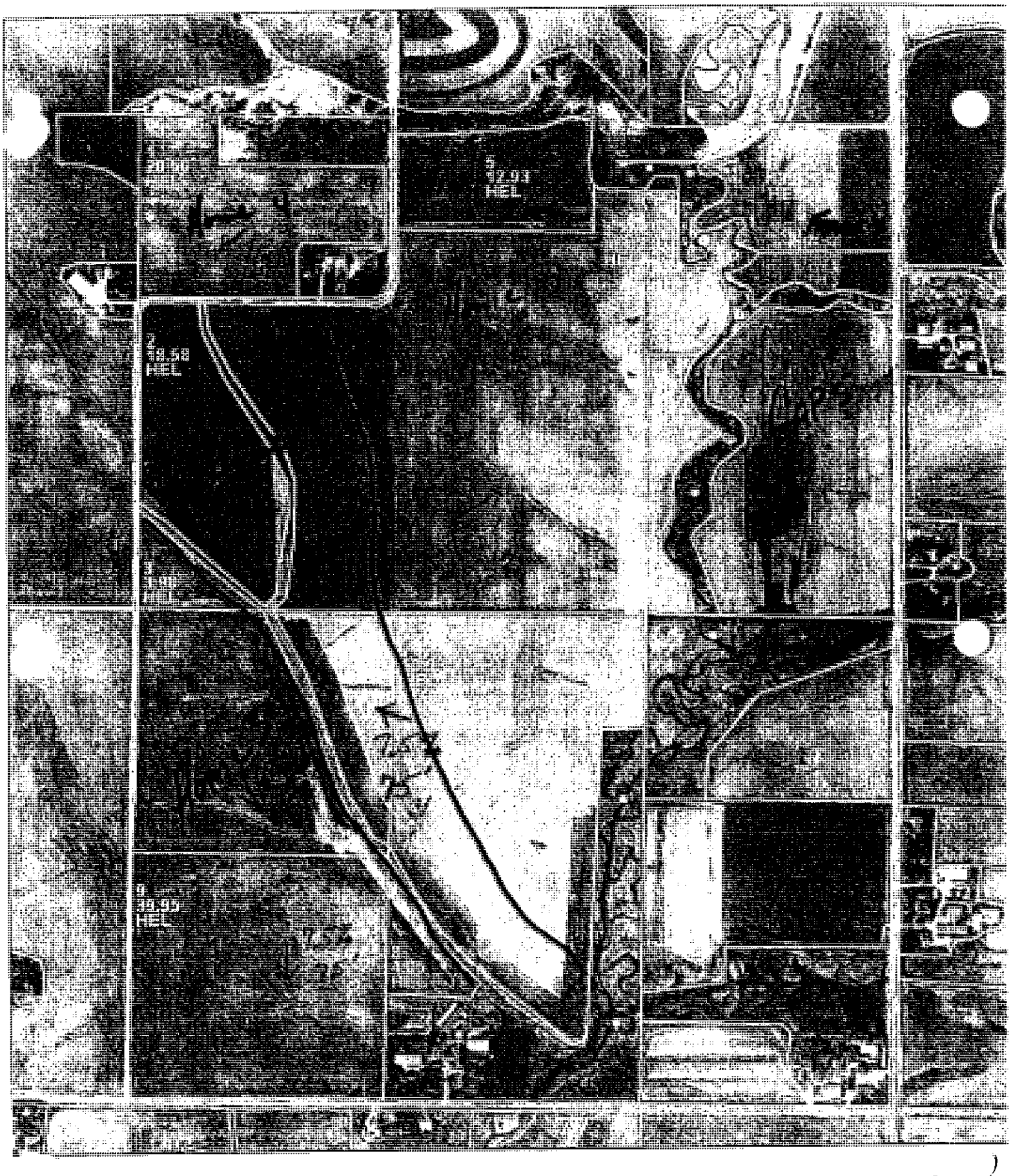
Farm: 3734
Tract: 843

0 200 400 600 800 Feet

N

AEBLEY STRIPS

Clu_a_il177.shp



Farm: 3734
Tract: 1113

0 400 800 1200 1600 Feet

HOME - FRANKS

N

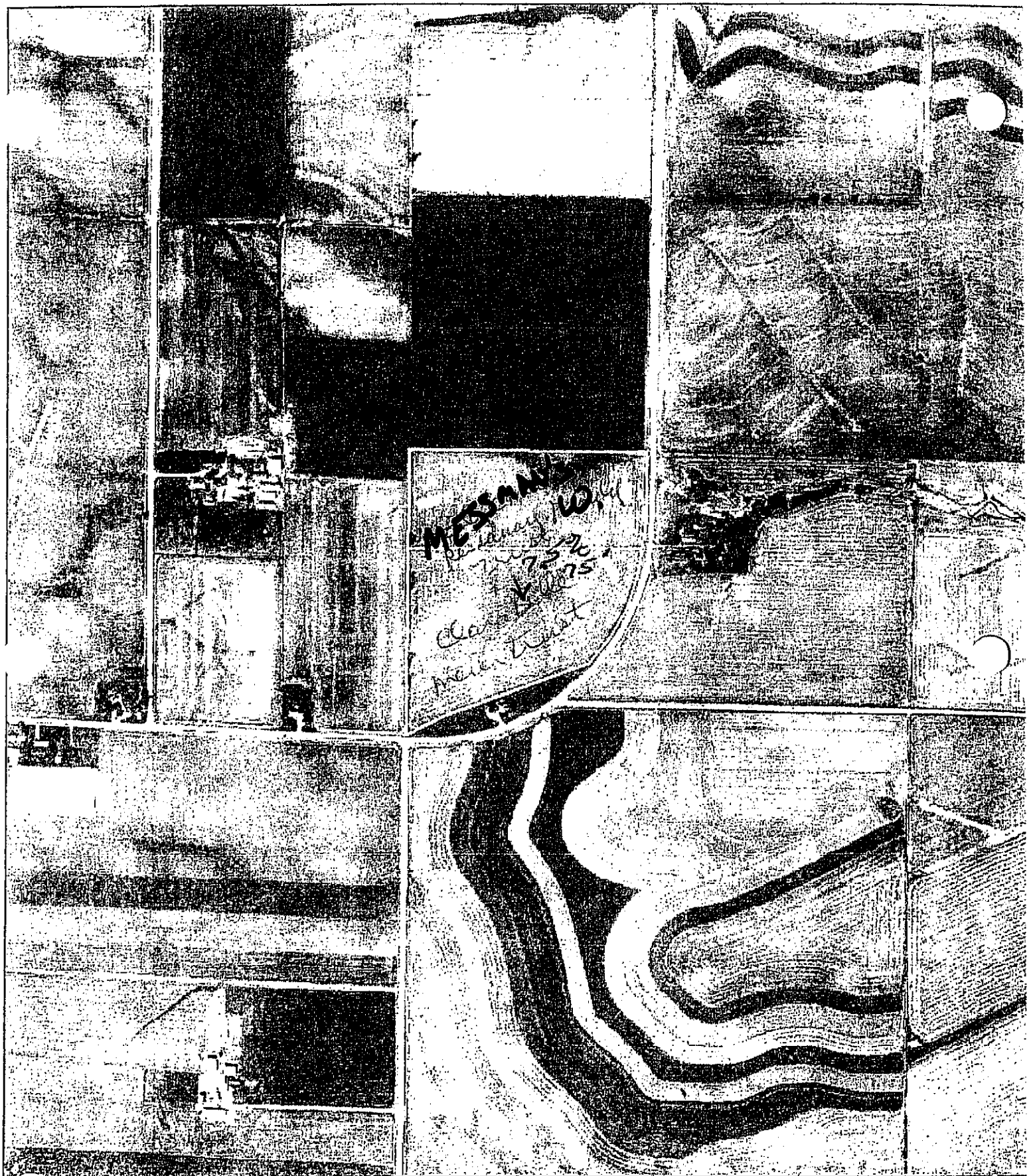
wet_p_ll177.shp
Clu_a_ll177.shp

Farm: 3734
Tract: 1123

0 400 800 1200 1600 Feet

CAP'S

N

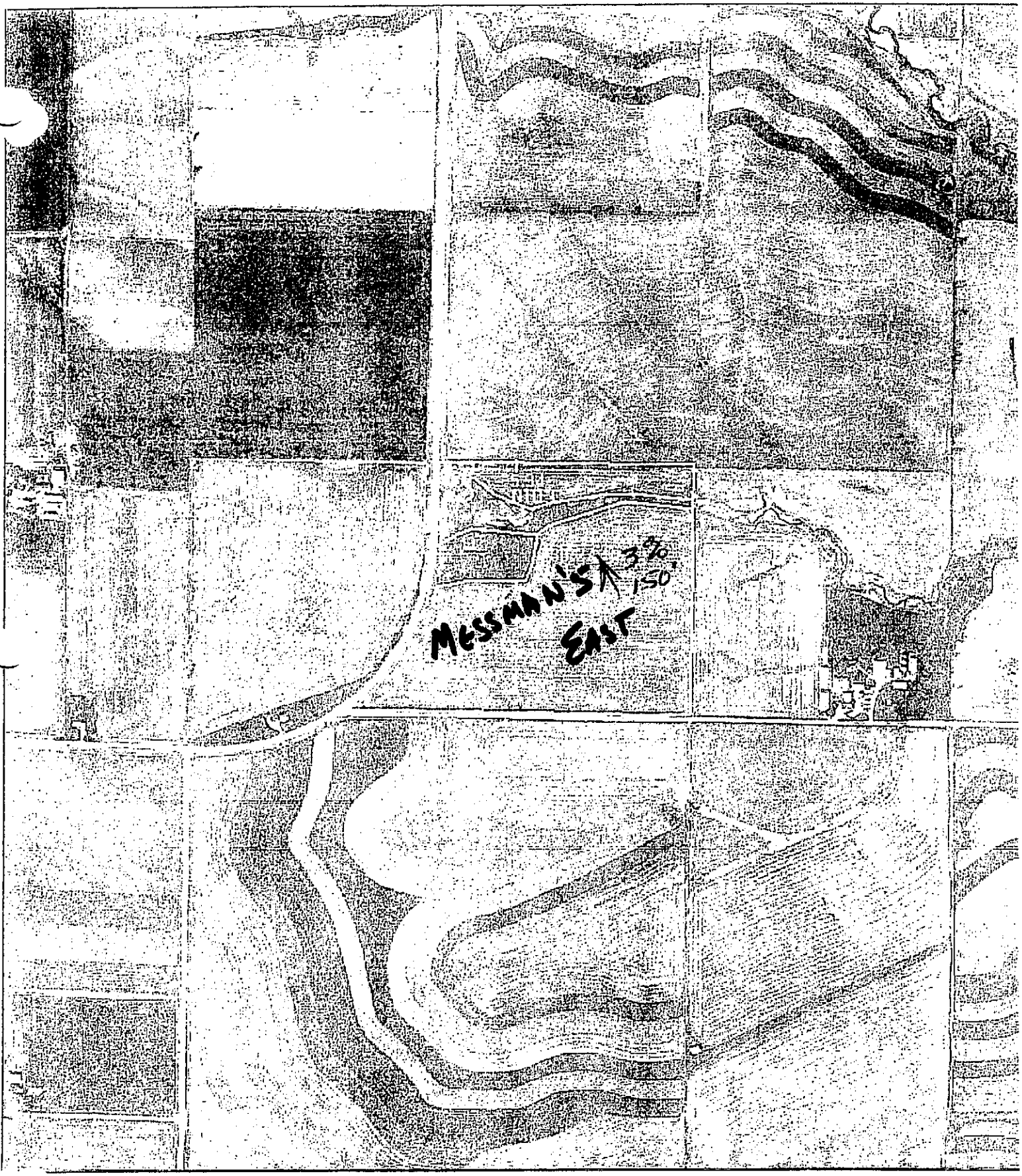


Farm: 3734
Tract: 855

0 400 800 1200 1600 Feet

MESSMAN'S

N

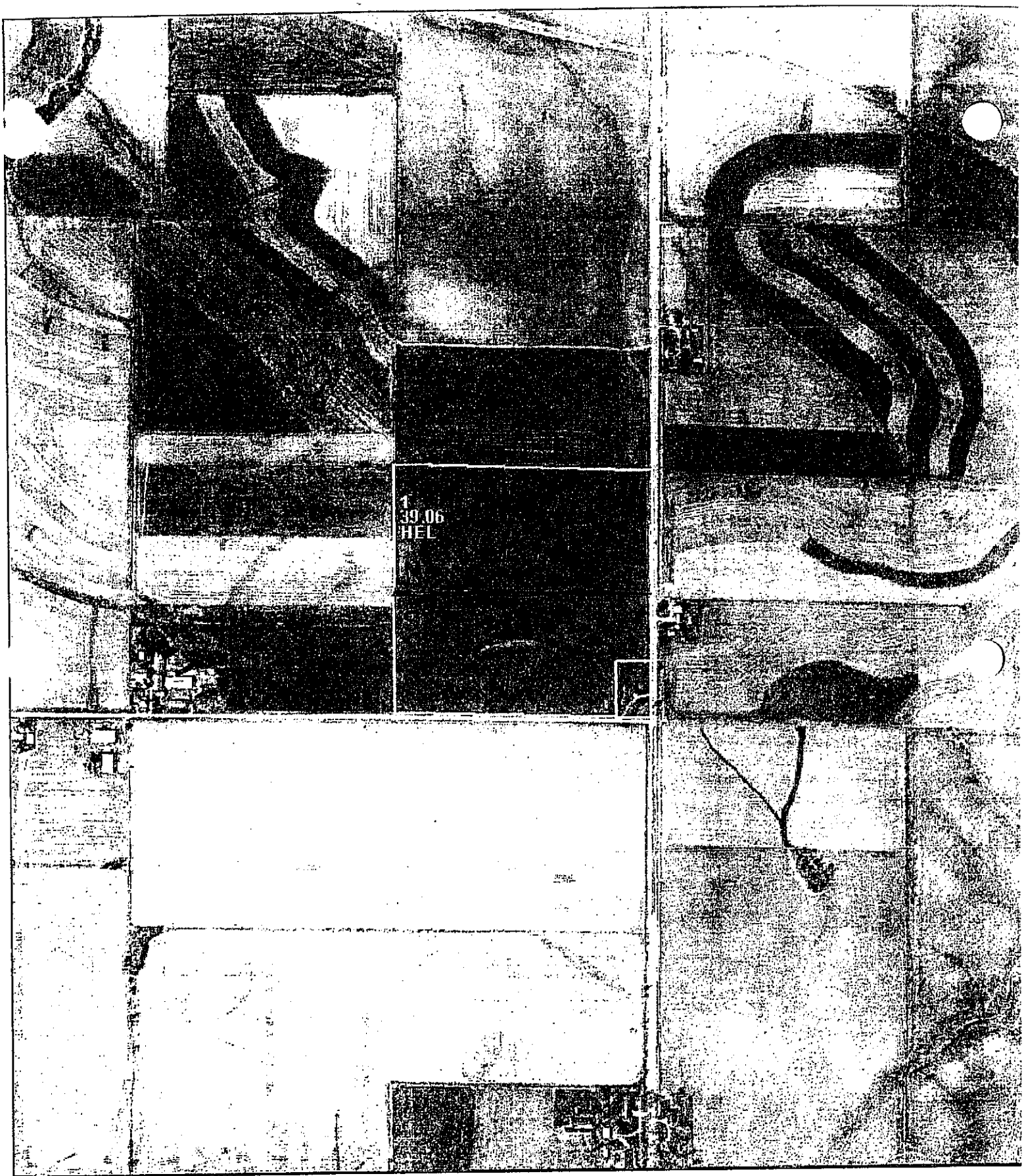


Farm: 5276
Tract: 856

0 400 800 1200 1600 Feet

MESSMAN'S

N



Farm: 3734
Tract: 1125

0 400 800 1200 1600 Feet

N

STANLEY'S

Clu_a_il177.shp

Printed: May 23, 2005

Information About RUSLE2 Soil Loss

Field: Aebley 1 843
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/26/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\Aebley 1 843
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\Aebley 1 843

Field's RUSLE2 Profile

Climate Location: USA\Illinois\Stephenson County
Soil Survey: Stephenson Soils, Illinois
Soil Type: 752C2 Oneco silt loam, 5 to 10 percent slopes, eroded\Oneco silt loam 90&per;
Slope: 5.5%
Slope Length: 100 feet
Rock Cover: (Not entered -- 0% assumed)
Subsurface Drainage: (No patterned drainage -- none used)
Contouring: b. absolute row grade 2 percent
Strips/Barriers: Strip cropping\2strip rotational 0-3
Diversion/Terrace: (Not selected -- none assumed)
Residue Burial: (Not selected -- normal burial assumed)
Notes:

Field's RUSLE2 Management

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
~~*07/20/2007*~~	~~*Harvest, killing crop 50pct standing stubble*~~			
11/01/2007	Chisel, st. pt.			
04/15/2008	Manure injector, liquid high disturb.30 inch		Manure, liquid	364 lbs
05/05/2008	Cultivator, field 6-12 in sweeps			
05/05/2008	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2008	Harvest, killing crop 50pct standing stubble			4372 lbs
05/15/2009	Planter, double disk opnr w/fluted coulter	Soybean, mw 30 in rows	55 bu	
10/10/2009	Harvest, killing crop 20pct standing stubble			1515 lbs
10/25/2009	Drill or airseeder, double disk, w/ fluted coulters	Wheat, winter 7in rows	80 bushels	
07/20/2010	Harvest, killing crop 50pct standing stubble			3740 lbs
09/15/2010	Manure injector, liquid high disturb.30 inch		Manure, liquid	360 lbs
05/10/2011	Cultivator, field 6-12 in sweeps			
05/10/2011	Planter, double disk opnr	Corn, grain	160 bushels	

Field: Aebley 1 843
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/26/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\Aebley 1 843
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\Aebley 1 843

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
10/20/2011	Harvest, killing crop 50pct standing stubble			4372 lbs

Note: Operations for the field's assumed previous crop (in italics) were included to initialize RUSLE2.

Field's RUSLE2 Soil Loss Estimates

Crop Year	*Starting Date mm/dd/yyyy*	*Ending Date mm/dd/yyyy*	*Soil Loss Tons/Acre*	*Crop(s)*
2008	07/21/2007	10/20/2008	~~5.5~~ 1.6 *	Corn
2009	10/21/2008	10/10/2009	1.4	Soybean
2010	10/11/2009	07/20/2010	0.5	Wheat
2011	07/21/2010	10/20/2011	1.3	Corn

* MMP generated report assumed 2007 crop was wheat, which was incorrect. Correct 2007 crop is corn. Program/report does not allow change. Required manual change using RUSLE 2 program outside MMP. See next page.

USDA NRCS

RUSLE2 Erosion Calculation Record

Info:

profiles\Meier Aebley 1

Inputs:
Location: Illinois\Stephenson County
Soil: 752C2 Oneco silt loam, 5 to 10 percent slopes, eroded\Oneco silt loam 90%
Slope length (horiz): 100 ft
Avg. slope steepness: 5.5 %
Contouring: b. absolute row grade 2 percent
Strips/barriers: 2strip rotational 0-3
Diversion/terrace, sediment basin: (none)

Base management: c.Other Local Mgt Records\corn grain;Manure FC, st pt, fcult, 160 bu

Date	*Operation*	*Vegetation*	*Surf. res. cov. after op, %*
4/15/0	Manure injector, liquid high disturb.30 inch		81
5/5/0	Cultivator, field 6-12 in sweeps		74
5/5/0	Planter, double disk opnr	Corn, grain	74
10/20/0	Harvest, killing crop 50pct standing stubble		86
4/15/0	Manure injector, liquid high disturb.30 inch		81
5/5/0	Cultivator, field 6-12 in sweeps		74
5/5/0	Planter, double disk opnr	Corn, grain	74
10/20/0	Harvest, killing crop 50pct standing stubble		86

Outputs:
T value: 4.0 t/ac/yr
Soil loss for cons. plan: 1.6 t/ac/yr

Information About RUSLE2 Soil Loss

Field: Aebley 2 843
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/27/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\Aebley 2 843
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\Aebley 2 843

Field's RUSLE2 Profile

Climate Location: USA\Illinois\Stephenson County
Soil Survey: Stephenson Soils, Illinois
Soil Type: 40C2 Dodgeville silt loam, 5 to 10 percent slopes, eroded\Dodgeville silt loam 90&per;
Slope: 9.5%
Slope Length: 75 feet
Rock Cover: (Not entered -- 0% assumed)
Subsurface Drainage: (No patterned drainage -- none used)
Contouring: b. absolute row grade 2 percent
Strips/Barriers: Strip cropping\2strip rotational 0-2
Diversion/Terrace: (Not selected -- none assumed)
Residue Burial: (Not selected -- normal burial assumed)
Notes:

Field's RUSLE2 Management

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
05/05/2007	*Cultivator, field 6-12 in sweeps*			
05/05/2007	*Planter, double disk opnr*	*Corn, grain*	*160 bushels*	
10/20/2007	*Harvest, killing crop 50pct standing stubble*			*4372 lbs*
05/15/2008	Planter, double disk opnr w/fluted coulter	Soybean, mw 30 in rows	55 bu	
10/10/2008	Harvest, killing crop 20pct standing stubble			1515 lbs
10/25/2008	Drill or airseeder, double disk, w/ fluted coulters	Wheat, winter 7in rows	80 bushels	
07/20/2009	Harvest, killing crop 50pct standing stubble			3740 lbs
10/15/2009	Manure injector, liquid high disturb.30 inch		Manure, liquid	272 lbs
11/15/2009	Manure injector, liquid high disturb.30 inch		Manure, liquid	91 lbs
05/10/2010	Cultivator, field 6-12 in sweeps			
05/10/2010	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2010	Harvest, killing crop 50pct standing stubble			4372 lbs
10/31/2010	Manure injector, liquid high disturb.30 inch		Manure, liquid	346 lbs

Field: Aebley 2 843
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/27/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\Aebley 2 843
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\Aebley 2 843

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
11/01/2010	Chisel, st. pt.			
05/05/2011	Cultivator, field 6-12 in sweeps			
05/05/2011	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2011	Harvest, killing crop 50pct standing stubble			4372 lbs

Note: Operations for the field's assumed previous crop (in italics) were included to initialize RUSLE2.

Field's RUSLE2 Soil Loss Estimates

Crop Year	*Starting Date mm/dd/yyyy*	*Ending Date mm/dd/yyyy*	*Soil Loss Tons/Acre*	*Crop(s)*
2008	10/21/2007	10/10/2008	0.9	Soybean
2009	10/11/2008	07/20/2009	0.3	Wheat
2010	07/21/2009	10/20/2010	1.1	Corn
2011	10/21/2010	10/20/2011	1.0	Corn

Information About RUSLE2 Soil Loss

Field: CAPS 1 1123
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/27/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\CAPS 1 1123
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\CAPS 1 1123

Field's RUSLE2 Profile

Climate Location: USA\Illinois\Stephenson County
Soil Survey: Stephenson Soils, Illinois
Soil Type: 8074A Radford silt loam, 0 to 2 percent slopes, occasionally flooded\Radford silt loam 88&per;
Slope: 1%
Slope Length: 200 feet
Rock Cover: (Not entered -- 0% assumed)
Subsurface Drainage: (No patterned drainage -- none used)
Contouring: b. absolute row grade 2 percent
Strips/Barriers: (none)
Diversion/Terrace: (Not selected -- none assumed)
Residue Burial: (Not selected -- normal burial assumed)
Notes:

Field's RUSLE2 Management

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
07/20/2007	*Harvest, killing crop 50pct standing stubble*			
04/15/2008	Manure injector, liquid high disturb.30 inch		Manure, liquid	364 lbs
05/10/2008	Cultivator, field 6-12 in sweeps			
05/10/2008	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2008	Harvest, killing crop 50pct standing stubble			4372 lbs
10/21/2008	Manure injector, liquid high disturb.30 inch		Manure, liquid	347 lbs
11/01/2008	Chisel, st. pt.			
05/05/2009	Cultivator, field 6-12 in sweeps			
05/05/2009	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2009	Harvest, killing crop 50pct standing stubble			4372 lbs
05/15/2010	Planter, double disk opnr w/fluted coulter	Soybean, mw 30 in rows	55 bu	
10/10/2010	Harvest, killing crop 20pct standing stubble			1515 lbs
10/25/2010	Drill or airseeder, double disk, w/ fluted coulters	Wheat, winter 7in rows	80 bushels	

Field: CAPS 1 1123
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/27/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\CAPS 1 1123
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\CAPS 1 1123

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
07/20/2011	Harvest, killing crop 50pct standing stubble			3740 lbs
09/15/2011	Manure injector, liquid high disturb.30 inch		Manure, liquid	364 lbs

Note: Operations for the field's assumed previous crop (in italics) were included to initialize RUSLE2.

Field's RUSLE2 Soil Loss Estimates

Crop Year	*Starting Date mm/dd/yyyy*	*Ending Date mm/dd/yyyy*	*Soil Loss Tons/Acre*	*Crop(s)*
2008	07/21/2007	10/20/2008	1.3	Corn
2009	10/21/2008	10/20/2009	0.5	Corn
2010	10/21/2009	10/10/2010	0.4	Soybean
2011	10/11/2010	07/20/2011	0.2	Wheat

Information About RUSLE2 Soil Loss

Field: CAPS 2 1123
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/27/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\CAPS 2 1123
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\CAPS 2 1123

Field's RUSLE2 Profile

Climate Location: USA\Illinois\Stephenson County
Soil Survey: Stephenson Soils, Illinois
Soil Type: 414C2 Myrtle silt loam, 5 to 10 percent slopes, eroded\Myrtle silt loam 90&per;
Slope: 7.5%
Slope Length: 75 feet
Rock Cover: (Not entered -- 0% assumed)
Subsurface Drainage: (No patterned drainage -- none used)
Contouring: b. absolute row grade 2 percent
Strips/Barriers: (Not selected -- none assumed)
Diversion/Terrace: (Not selected -- none assumed)
Residue Burial: (Not selected -- normal burial assumed)
Notes:

Field's RUSLE2 Management

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
07/20/2007	*Harvest, killing crop 50pct standing stubble*			
05/10/2008	Cultivator, field 6-12 in sweeps			
05/10/2008	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2008	Harvest, killing crop 50pct standing stubble			4372 lbs
10/21/2008	Manure injector, liquid high disturb.30 inch		Manure, liquid	364 lbs
11/01/2008	Chisel, st. pt.			
05/05/2009	Cultivator, field 6-12 in sweeps			
05/05/2009	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2009	Harvest, killing crop 50pct standing stubble			4372 lbs
05/15/2010	Planter, double disk opnr w/fluted coulter	Soybean, mw 30 in rows	55 bu	
10/10/2010	Harvest, killing crop 20pct standing stubble			1515 lbs
10/25/2010	Drill or airseeder, double disk, w/ fluted coulters	Wheat, winter 7in rows	80 bushels	
07/20/2011	Harvest, killing crop 50pct standing stubble			3740 lbs

Field: CAPS 2 1123
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/27/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\CAPS 2 1123
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\CAPS 2 1123

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
09/15/2011	Manure injector, liquid high disturb.30 inch		Manure, liquid	359 lbs

Note: Operations for the field's assumed previous crop (in italics) were included to initialize RUSLE2.

Field's RUSLE2 Soil Loss Estimates

Crop Year	*Starting Date mm/dd/yyyy*	*Ending Date mm/dd/yyyy*	*Soil Loss Tons/Acre*	*Crop(s)*
2008	07/21/2007	10/20/2008	4.2	Corn
2009	10/21/2008	10/20/2009	1.9	Corn
2010	10/21/2009	10/10/2010	1.5	Soybean
2011	10/11/2010	07/20/2011	0.5	Wheat

Information About RUSLE2 Soil Loss

Field: CAPS 3 1123
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/27/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\CAPS 3 1123
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\CAPS 3 1123

Field's RUSLE2 Profile

Climate Location: USA\Illinois\Stephenson County
Soil Survey: Stephenson Soils, Illinois
Soil Type: 105B Batavia silt loam, 2 to 5 percent slopes\Batavia silt loam 90&per;
Slope: 3.5%
Slope Length: 150 feet
Rock Cover: (Not entered -- 0% assumed)
Subsurface Drainage: (No patterned drainage -- none used)
Contouring: b. absolute row grade 2 percent
Strips/Barriers: (Not selected -- none assumed)
Diversion/Terrace: (Not selected -- none assumed)
Residue Burial: (Not selected -- normal burial assumed)
Notes:

Field's RUSLE2 Management

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
07/20/2007	*Harvest, killing crop 50pct standing stubble*			
04/15/2008	Manure injector, liquid high disturb.30 inch		Manure, liquid	363 lbs
05/10/2008	Cultivator, field 6-12 in sweeps			
05/10/2008	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2008	Harvest, killing crop 50pct standing stubble			4372 lbs
10/21/2008	Manure injector, liquid high disturb.30 inch		Manure, liquid	348 lbs
11/01/2008	Chisel, st. pt.			
05/05/2009	Cultivator, field 6-12 in sweeps			
05/05/2009	Planter, double disk opnr	Corn, grain	160 bushels	
10/20/2009	Harvest, killing crop 50pct standing stubble			4372 lbs
05/15/2010	Planter, double disk opnr w/fluted coulter	Soybean, mw 30 in rows	55 bu	
10/10/2010	Harvest, killing crop 20pct standing stubble			1515 lbs
10/25/2010	Drill or airseeder, double disk, w/ fluted coulters	Wheat, winter 7in rows	80 bushels	

Field: CAPS 3 1123
Operation: MEIER FARMS
Plan File: C:\Program Files\MMP 0.26\Madison Consulting Plans\Meier Farm.mmp *Last Saved:* 2/27/2009*
RUSLE2 Database: C:\Program Files\USDA\Rusle2\moses.gdb
Calculated Profile: mmp_calc\Meier Farm.mmp\CAPS 3 1123
Calculated Mgmt: CMZ 04\c.Other Local Mgt Records\mmp_calc\Meier Farm.mmp\CAPS 3 1123

Date mm/dd/yyyy	*Operation*	*Vegetation*	*Yield or Cover Material*	*Cover Material Added/Removed*
07/20/2011	Harvest, killing crop 50pct standing stubble			3740 lbs
09/15/2011	Manure injector, liquid high disturb.30 inch		Manure, liquid	363 lbs

Note: Operations for the field's assumed previous crop (in italics) were included to initialize RUSLE2.

Field's RUSLE2 Soil Loss Estimates

Crop Year	*Starting Date mm/dd/yyyy*	*Ending Date mm/dd/yyyy*	*Soil Loss Tons/Acre*	*Crop(s)*
2008	07/21/2007	10/20/2008	3.7	Corn
2009	10/21/2008	10/20/2009	1.4	Corn
2010	10/21/2009	10/10/2010	1.1	Soybean
2011	10/11/2010	07/20/2011	0.4	Wheat