



Photograph PP247 view West



Photograph PP248 view Northwest



Photograph PP248 view Southeast



Photograph PP249 view East



Photograph PP249 view North



Photograph PP249 view South



Photograph PP249 view West



Photograph PP250 view Northeast



Photograph PP250 view Northwest



Photograph PP250 view Southeast



Photograph PP250 view Southwest



Photograph PP251 view North



Photograph pp250 view Northwest



Photograph pp250 view Southeast



Photograph pp250 view Southwest



Photograph pp251 view North



Photograph pp251 view South



Photograph pp252 view East



Photograph pp252 view North



Photograph pp252 view West



Photograph pp253 view East



Photograph pp253 view North



Photograph pp253 view West



Photograph pp254 view Northeast



Photograph pp255 view Southeast



Photograph pp256 view South



Photograph pp257 view East



Photograph pp257 view West



Photograph pp258 view Northeast



Photograph pp258 view South



Photograph pp259 view North



Photograph pp259 view Southwest



Photograph pp260 view North



Photograph pp260 view South



Photograph pp261 view North



Photograph pp261 view South



Photograph pp262 view South



Photograph pp263 view North



Photograph pp264 view North



Photograph pp264 view Northeast



Photograph pp265 view Northwest



Photograph pp266 view Northeast



Photograph pp266 view Southwest



Photograph pp267 view North



Photograph pp268 view South



Photograph pp269 view West



Photograph pp270 view North



Photograph pp271 view West



Photograph pp272 view West



Photograph pp273 view East



Photograph pp274 view North



Photograph pp275 view North



Photograph pp276 view North



Photograph pp277 view South



Photograph pp278 view Northwest



Photograph pp279 view North



Photograph pp279 view South



Photograph pp280 view East



Photograph pp281 view East



Photograph pp282 view East



Photograph pp282 view South



Photograph pp282 view West



Photograph pp283 view North



Photograph pp283 view South



Photograph pp283 view West



Photograph pp284 view Northwest



Photograph pp285 view East



Photograph pp285 view North



Photograph pp285 view South



Photograph pp285 view West



Photograph pp286 view Southwest



Photograph pp287 view South



Photograph pp288 view East



Photograph pp288 view North



Photograph pp288 view South



Photograph pp288 view West



Photograph pp289 view North



Photograph pp289 view South



Photograph pp290 view North



Photograph pp290 view South



Photograph pp291 view North



Photograph pp292 view North



Photograph pp293 view South



Photograph pp294 view East



Photograph pp295 view South



Photograph pp296 view South



Photograph pp297 view West



Photograph pp298 view Southwest



Photograph pp299 view South



Photograph pp300 view North



Photograph pp301 view of tank



Photograph pp302 view West



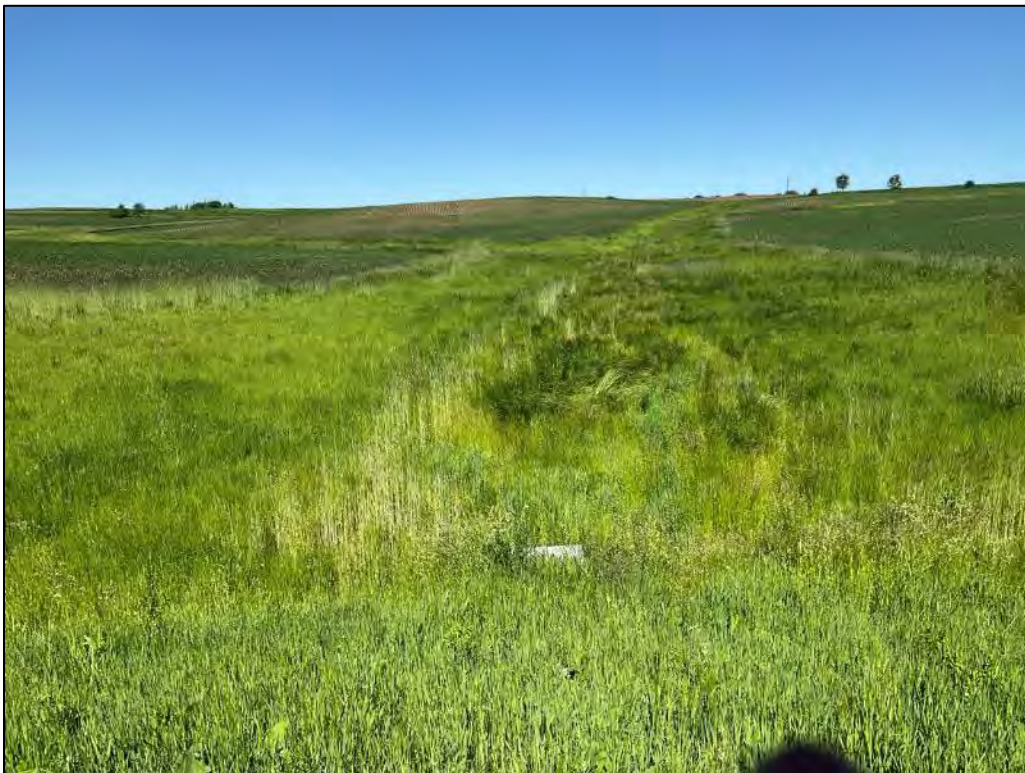
Photograph pp303 view of debris



Photograph pp304 view South



Photograph pp305 view East



Photograph pp305 view West



Photograph pp306 view North



Photograph pp306 view South



Photograph pp306 view West



Photograph pp307 view North



Photograph pp307 view Southeast



Photograph pp307 view Southwest



Photograph pp308 view East



Photograph pp309 view South



Photograph pp310 view North



Photograph pp310 view South



Photograph pp311 view Northwest



Photograph pp311 view Southwest



Photograph pp311 view West



Photograph pp312 view South



Photograph pp312 view Southeast



Photograph pp312 view West



Photograph pp313 view Northwest



Photograph pp314 view East



Photograph pp314 view North



Photograph pp314 view South



Photograph pp314 view West



Photograph pp315 view North



Photograph pp316 view North



Photograph pp316 view South



Photograph pp316 view West



Photograph pp317 view North



Photograph pp317 view South



Photograph pp317 view West



Photograph pp318 view Northeast



Photograph pp318 view Northwest



Photograph pp318 view Southeast



Photograph pp318 view Southwest



Photograph pp319 view East



Photograph pp319 view Northwest



Photograph pp319 view Southwest



Photograph pp320 view Northeast



Photograph pp320 view Northwest



Photograph pp320 view Southeast



Photograph pp320 view Southwest



Photograph pp321 view North



Photograph pp322 view of trash pile



Photograph pp323 view south



Photograph pp324 view of trash pile



Photograph pp325 view Northeast



Photograph pp326 view East



Photograph pp327 view Northeast



Photograph pp328 view Northeast



Photograph pp329 view Southeast



Photograph pp329 view Southwest



Photograph pp330 view North



Photograph pp330 view Southeast



Photograph pp330 view Southwest



Photograph pp331 view Southwest



Photograph pp332 view Northwest



Photograph pp333 view Southwest



Photograph pp334 view Northeast



Photograph pp334 view Northwest



Photograph pp334 view Southeast



Photograph pp334 view Southwest



Photograph pp335 view Northeast



Photograph pp335 view Northwest



Photograph pp335 view Southeast



Photograph pp335 view Southwest



Photograph pp336 view North



Photograph pp336 view South



Photograph pp337 view South



Photograph pp338 view North



Photograph pp339 view South



Photograph pp339 view Southeast



Photograph pp339 view Southwest



Photograph pp340 view North



Photograph pp340 view West



Photograph pp341 view North



Photograph pp342 view North



Photograph pp343 view Northwest



Photograph pp344 view East



Photograph pp345 view Northeast



Photograph pp346 view East



Photograph pp346 view West



Photograph pp347 view Northwest



Photograph pp348 view North



Photograph pp349 view Northwest



Photograph pp350 view Northwest



Photograph pp351 view West



Photograph pp352 view West



Photograph pp353 view South



Photograph pp354 view West



Photograph pp355 view Northeast



Photograph pp356 view West



Photograph pp357 view East



Photograph pp358 view East



Photograph pp358 view West



Photograph pp359 view Southeast



Photograph pp360 view South



Photograph pp361 view Southeast



Photograph pp361 view Southwest



Photograph pp362 view South



Photograph pp363 view East



Photograph pp364 view North



Photograph pp364 view South



Photograph pp365 view North



Photograph pp365 view West



Photograph pp366 view East



Photograph pp366 view West



Photograph pp367 view South



Photograph pp368 view North



Photograph pp368 view South



Photograph pp369 view South



Photograph pp370 view North



Photograph pp370 view South



Photograph pp371 view Southwest



Photograph pp372 view East



Photograph pp373 view North



Photograph pp373 view South



Photograph pp374 view South



Photograph pp375 view North



Photograph pp375 view West



Photograph pp376 view East



Photograph pp376 view West



Photograph pp377 view Northwest



Photograph pp378 view North



Photograph pp378 view South



Photograph pp379 view North



Photograph pp380 view East



Photograph pp381 view Southeast



Photograph pp382 view Northeast



Photograph pp382 view Northwest



Photograph pp382 view South



Photograph pp383 view East



Photograph pp383 view North



Photograph pp383 view South



Photograph pp383 view West



Photograph pp384 view East



Photograph pp384 view North



Photograph pp384 view South



Photograph pp384 view West



Photograph pp385 view East



Photograph pp385 view North



Photograph pp385 view South



Photograph pp385 view West



Photograph pp386 view East



Photograph pp386 view North



Photograph pp386 view South



Photograph pp387 view East



Photograph pp387 view South



Photograph pp387 view West



Photograph pp388 view East



Photograph pp388 view North



Photograph pp388 view South



Photograph pp388 view West



Photograph pp389 view East



Photograph pp389 view North



Photograph pp389 view South



Photograph pp389 view West



Photograph pp390 view Northeast



Photograph pp390 view Northwest



Photograph pp390 view Southeast



Photograph pp390 view Southwest



Photograph pp391 view Northeast



Photograph pp391 view Southeast



Photograph pp392 view West



Photograph pp393 view East



Photograph pp393 view North



Photograph pp393 view South



Photograph pp393 view West



Photograph pp394 view North



Photograph pp394 view South



Photograph pp395 view West



Photograph pp396 view East



Photograph pp396 view North



Photograph pp396 view South



Photograph pp396 view West



Photograph pp397 view Northwest



Photograph pp398 view East



Photograph pp398 view North



Photograph pp398 view South



Photograph pp398 view West



Photograph pp399 view East



Photograph pp399 view North



Photograph pp399 view South



Photograph pp399 view West



Photograph pp400 view Northeast



Photograph pp400 view Northwest



Photograph pp401 view Northeast



Photograph pp401 view Northwest



Photograph pp401 view Southwest



Photograph pp402 view East



Photograph pp402 view North



Photograph pp402 view West



Photograph pp403 view East



Photograph pp403 view North



Photograph pp403 view West



Photograph pp404 view East



Photograph pp404 view Northeast



Photograph pp405 view East



Photograph pp405 view West



Photograph pp406 view East



Photograph pp406 view West



Photograph pp407 view East



Photograph pp407 view North



Photograph pp407 view South



Photograph pp408 view East



Photograph pp408 view North



Photograph pp408 view South



Photograph pp408 view West



Photograph pp409 view Northeast



Photograph pp409 view Northwest



Photograph pp409 view Southeast



Photograph pp410 view East



Photograph pp410 view South



Photograph pp410 view West



Photograph pp411 view East



Photograph pp411 view North



Photograph pp411 view South



Photograph pp411 view West



Photograph pp412 view Northeast



Photograph pp412 view Southeast



Photograph pp412 view Southwest



Photograph pp413 view East



Photograph pp413 view North



Photograph pp413 view South



Photograph pp413 view West



Photograph pp414 view East



Photograph pp415 view North



Photograph pp415 view South



Photograph pp416 view East



Photograph pp416 view West



Photograph pp417 view North



Photograph pp417 view South



Photograph pp418 view North



Photograph pp418 view South



Photograph pp419 view Northwest



Photograph pp419 view Southeast



Photograph pp419 view West



Photograph pp420 view East



Photograph pp420 view West



Photograph pp421 view East



Photograph pp421 view West



Photograph pp422 view North



Photograph pp422 view South



Photograph pp423 view Northwest



Photograph pp423 view Southeast



Photograph pp424 view Northwest



Photograph pp424 view Southeast



Photograph pp425 view North



Photograph pp426 view South



Photograph pp427 view North



Photograph pp428 view of tank



Photograph pp429 view West



Photograph pp430 view North



Photograph pp430 view of tank



Photograph pp431 view East



Photograph pp432 view West



Photograph pp433 view East



Photograph pp433 view West



Photograph pp434 view West



Photograph pp435 view South



Photograph pp436 view East



Photograph pp436 view South



Photograph pp436 view West



Photograph pp437 view Southwest



Photograph pp438 view North



Photograph pp439 view East



Photograph pp440 view East



Photograph pp440 view South



Photograph pp440 view West



Photograph pp441 view East



Photograph pp442 view North



Photograph pp442 view South



Photograph pp443 view East



Photograph pp443 view West



Photograph pp444 view Northwest



Photograph pp444 view South



Photograph pp445 view North



Photograph pp445 view South



Photograph pp446 view West



Photograph pp447 view Southeast



Photograph pp448 view North



Photograph pp448 view South



Photograph pp449 view Southwest



Photograph pp450 view Southeast



Photograph pp451 view East



Photograph pp452 view Northwest



Photograph pp453 view Northeast



Photograph pp454 view Southeast



Photograph pp455 view Northeast



Photograph pp456 view Southeast



Photograph pp457 view North



Photograph pp457 view South



Photograph pp457 view West



Photograph pp458 view North



Photograph pp458 view South



Photograph pp459 view North



Photograph pp459 view South



Photograph pp459 view West



Photograph pp460 view Northeast



Photograph pp460 view Northwest



Photograph pp460 view Southeast



Photograph pp460 view Southwest



Photograph pp461 view East



Photograph pp461 view North



Photograph pp461 view South



Photograph pp461 view West



Photograph pp462 view East



Photograph pp462 view South



Photograph pp462 view West



Photograph pp463 view East



Photograph pp463 view North



Photograph pp463 view South



Photograph pp463 view West



Photograph pp464 view Southeast



Photograph pp464 view Southwest



Photograph pp465 view East



Photograph pp465 view North



Photograph pp465 view South



Photograph pp465 view West



Photograph pp466 view North



Photograph pp466 view South



Photograph pp467 view East



Photograph pp467 view West



Photograph pp468 view West



Photograph pp469 view South



Photograph pp469 view West



Photograph pp470 view West



Photograph pp471 view East



Photograph pp471 view North



Photograph pp471 view South



Photograph pp471 view West



Photograph pp472 view Southeast



Photograph pp472 view Northeast



Photograph pp472 view West



Photograph pp473 view North



Photograph pp473 view Southeast



Photograph pp473 view Southwest



Photograph pp474 view North



Photograph pp474 view South



Photograph pp474 view West



Photograph pp475 view North



Photograph pp475 view South



Photograph pp475 view West



Photograph pp476 view North



Photograph pp476 view South



Photograph pp477 view North



Photograph pp477 view South



Photograph pp478 view East



Photograph pp479 view North



Photograph pp479 view South



Photograph pp480 view East



Photograph pp480 view South



Photograph pp480 view West



Photograph pp481 view East



Photograph pp481 view North



Photograph pp481 view South



Photograph pp481 view West



Photograph pp482 view East



Photograph pp482 view South



Photograph pp483 view Northwest



Photograph pp483 view Southwest



Photograph pp484 view East



Photograph pp484 view North



Photograph pp484 view South



Photograph pp484 view West



Photograph pp485 view North



Photograph pp485 view South



Photograph pp485 view West



Photograph pp486 view East



Photograph pp486 view North



Photograph pp486 view West



Photograph pp487 view East



Photograph pp487 view North



Photograph pp487 view Southwest



Photograph pp488 view North



Photograph pp488 view West



Photograph pp489 view Northeast



Photograph pp489 view Northwest



Photograph pp490 view East



Photograph pp490 view North



Photograph pp490 view West



Photograph pp491 view East



Photograph pp491 view North



Photograph pp492 view East



Photograph pp492 view North



Photograph pp492 view South



Photograph pp492 view West



Photograph pp493 view East



Photograph pp493 view South



Photograph pp494 view Northeast



Photograph pp494 view Northwest



Photograph pp495 view Northeast



Photograph pp495 view Northwest



Photograph pp495 view Southeast



Photograph pp496 view East



Photograph pp496 view North



Photograph pp496 view South



Photograph pp496 view West



Photograph pp497 view East



Photograph pp497 view North



Photograph pp497 view South



Photograph pp497 view West



Photograph pp498 view Northeast



Photograph pp498 view Northwest



Photograph pp498 view South



Photograph pp499 view East



Photograph pp499 view North



Photograph pp499 view South



Photograph pp499 view West



Photograph pp500 view North



Photograph pp500 view South



Photograph pp500 view West

Appendix D
SSURGO Mapped Soils

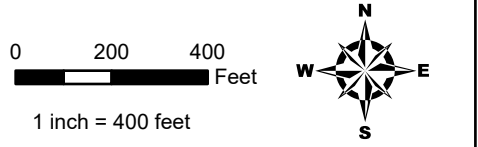
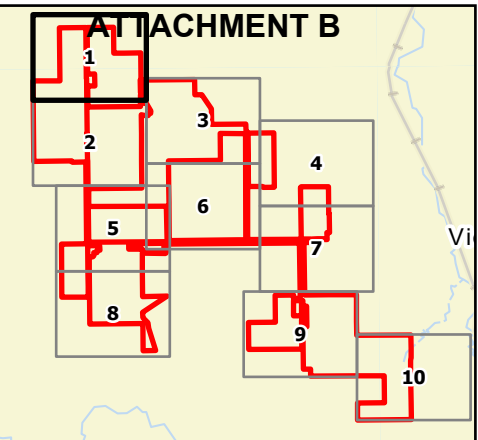
Soil Types within Survey Area			
Symbol	Description	Hydric Soil Unit?	Acres
16	Arenzville silt loam, 0 to 3 percent slopes, occasionally flooded	No	9.62
489A	Atkinson loam, 0 to 1 percent slopes	No	26.36
489B	Atkinson loam, 1 to 6 percent slopes	No	3.19
973D	Brodale-Sogn complex, 12 to 25 percent slopes	No	2.45
N150E	Brodale channery loam, deep, 20 to 30 percent slopes	No	13.10
472C	Channahon loam, 6 to 12 percent slopes	No	6.66
19	Chaseburg silt loam, moderately well drained, 0 to 2 percent slopes	No	62.08
M517A	Clyde silty clay loam, 0 to 3 percent slopes	Yes	43.02
1819G	Dorerton-Rock outcrop complex, very steep	No	2.86
473D	Dorerton loam, 12 to 25 percent slopes	No	23.62
473F	Dorerton loam, 25 to 40 percent slopes	No	15.54
516C	Dowagiac sandy loam, 6 to 12 percent slopes	No	1.28
593D	Elbaville silt loam, 12 to 18 percent slopes	No	31.11
593E	Elbaville silt loam, 18 to 30 percent slopes	No	10.72
479	Floyd silt loam, 1 to 4 percent slopes	No	56.62
476C	Frankville silt loam, 6 to 12 percent slopes	No	49.03
173F	Frontenac loam, 15 to 35 percent slopes	No	0.46
176	Garwin silty clay loam	Yes	60.96
203	Joy silt loam, 1 to 4 percent slopes	No	67.31
24	Kasson silt loam, 1 to 4 percent slopes	No	72.63
1846	Kato silty clay loam, depressional	Yes	17.04
30B	Kenyon loam, 2 to 5 percent slopes	No	19.39
244C	Lilah sandy loam, 6 to 12 percent slopes	No	0.33
301B	Lindstrom silt loam, 2 to 6 percent slopes	No	6.45
301C	Lindstrom silt loam, 6 to 15 percent slopes	No	12.16
477B	Littleton silt loam, 1 to 4 percent slopes	No	28.73

Soil Types within Survey Area			
Symbol	Description	Hydric Soil Unit?	Acres
251F	Marlean silty clay loam, 25 to 40 percent slopes	No	24.12
131D	Massbach silt loam, 12 to 18 percent slopes	No	0.38
131C	Massbach silt loam, 6 to 12 percent slopes	No	1.45
M510A	Maxfield silt loam, 0 to 2 percent slopes	Yes	4.47
401D2	Mt. Carroll silt loam, 12 to 20 percent slopes, moderately eroded	No	17.87
401B	Mt. Carroll silt loam, 2 to 6 percent slopes, moderately eroded	No	411.35
401C2	Mt. Carroll silt loam, 6 to 12 percent slopes, moderately eroded	No	185.22
492B	Nasset silt loam, 2 to 6 percent slopes	No	0.03
492C	Nasset silt loam, 6 to 12 percent slopes	No	5.13
493B	Oronoco loam, 2 to 6 percent slopes	No	63.32
493C	Oronoco loam, 6 to 12 percent slopes	No	13.31
2B	Ostrander loam, 2 to 5 percent slopes	No	4.35
2A	Ostrander silt loam, 0 to 2 percent slopes	No	11.30
468	Otter silt loam, channeled	Yes	75.66
528B	Palms muck, 1 to 6 percent slopes	Yes	2.58
285A	Port Byron silt loam, 0 to 2 percent slopes	No	101.18
285B	Port Byron silt loam, 2 to 6 percent slopes	No	26.41
99D2	Racine loam, 12 to 18 percent slopes, eroded	No	0.91
99B	Racine loam, 2 to 5 percent slopes	No	25.97
99C	Racine silt loam, 6 to 12 percent slopes	No	21.63
299B	Rockton loam, 1 to 6 percent slopes	No	3.69
471	Root silt loam	Yes	2.52
309D	Schapville silty clay loam, 12 to 25 percent slopes	No	4.97
312C	Shullsburg silt loam, 6 to 12 percent slopes	No	5.88
23	Skyberg silt loam, 0 to 3 percent slopes	No	29.06
322D2	Timula silt loam, 12 to 20 percent slopes, moderately eroded	No	19.52

Soil Types within Survey Area			
Symbol	Description	Hydric Soil Unit?	Acres
333	Vasa silt loam	No	66.17
W	Water	<Null>	0.69
369B	Waubeek silt loam, 1 to 6 percent slopes	No	156.77
369C	Waubeek silt loam, 6 to 12 percent slopes	No	90.10
491B	Waucoma loam, 2 to 6 percent slopes	No	17.80
Total:			2,036.53

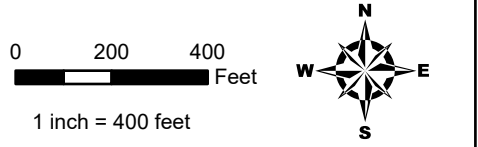
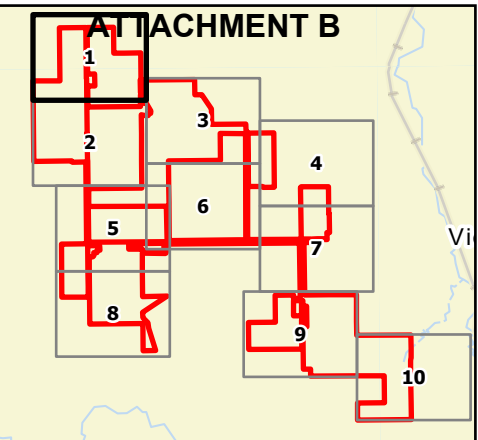
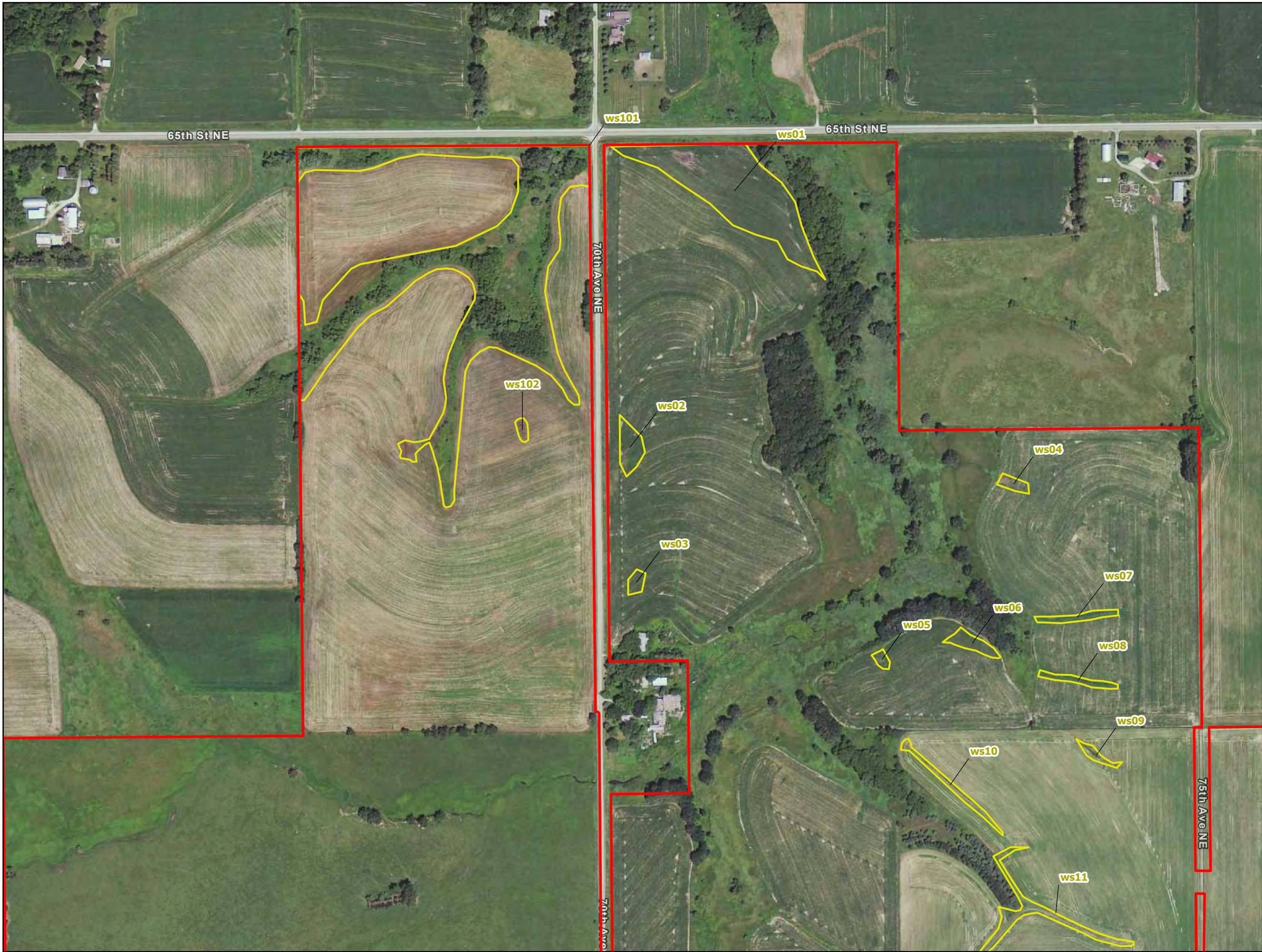
Appendix E

Off-site Hydrology and Wetland Determinations



- Survey Area
- Wetness Signature

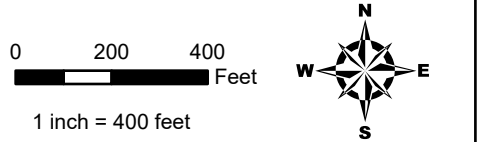
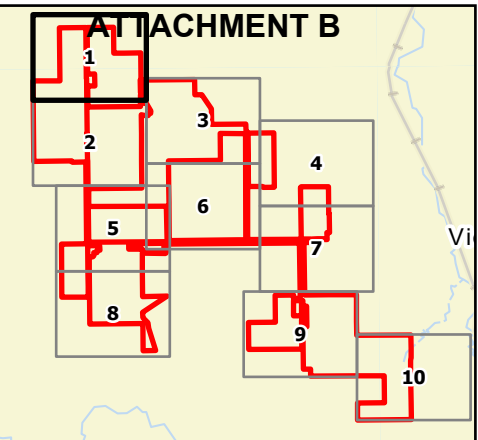
**FSA Slide Review: NAIP Imagery -
August 2009
Lemon Hill Solar Project
Ranger Power
Olmsted County, MN**



- Survey Area
- Wetness Signature

**FSA Slide Review: NAIP Imagery -
July 2010
Lemon Hill Solar Project
Ranger Power
Olmsted County, MN**

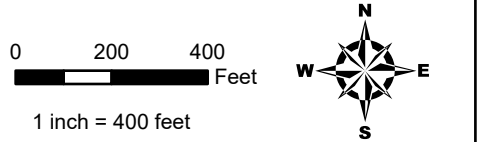
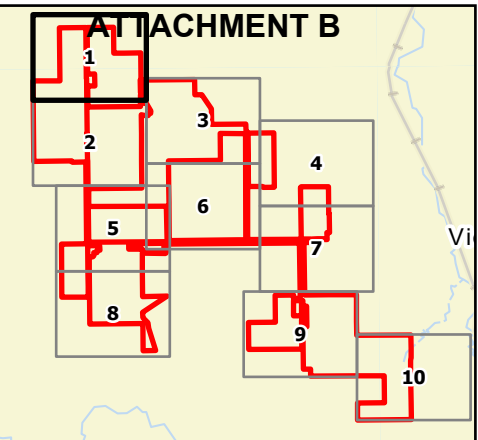




- Survey Area
- Wetness Signature

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- Survey Area
- Wetness Signature

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Ranger Power
Olmsted County, MN**

