**EXAMPLE AG E&S PLAN**

**SECTION 1: GENERAL INFORMATION**

**Agricultural Erosion & Sediment Control Plan**

Operation Name: *Sample Farm*

Name of Operator/Landowner: *Mr. and Mrs. John and Amy Smith*

Operation Street Address: *3 Sample Road*

City, State, Zip Code: *Farmerville, PA 12345*

Phone Number (Home/Barn): *717-555-4567*

(Cell): *717-555-3456*

Email Address: *samplefarm@email.com*

Name of person preparing the Ag E&S Plan (if other than operator/owner)

Preparer Name: *Ms. R.E. Bell*

Preparer Organization: *Wild Pig Consulting Firm*

Street Address: *22 Chisel Lane*

City, State, Zip Code: *Farm City, PA 23456*

Phone Number: *412-555-4567*

Email Address: *rebell@wildpig.com*

**Date of Development:** *April 1, 2011*

**Date of Update(s):** *April 15, 2019*

**Note:** The operator and landowner shall have the Ag E&S Plan readily available for review and inspection.

## OPERATION INFORMATION

**a) Operation Acres:**

| | | | |
|---|---|---|---|
| Total Owned | *5.6* | Total Rented | *10.5* |
| Cropland Owned | *4.6* | Cropland Rented | *10.5* |
| Pasture Owned | *1* | Pasture Rented | *0* |

**b) Operation Description:**

*Small family farm consisting of 2 donkeys, 3 goats, and 40 chickens (layers). Manure is stacked on a 12' by 16' covered concrete pad beside the barn. 1 AHUA is located on the western side of the barn. Produces grain, soybeans, mixed hay, oats, and alfalfa.*

**c)**

| Crop Rotation(s) Used on the Operation | Tillage and Planting Method(s) for Crop Rotation(s) |
|---|---|
| *1-year corn grain, 1-year soybeans* | *Corn: No-till*<br>*Soybeans: Chisel* |
| *1-year corn grain, 1-year oats/wheat cover crop, 4-year hay* | *Oats/Wheat: Chisel*<br>*Corn/Hay: No-till* |
| *1-year corn grain/rye cover crop, 1-year corn grain, 2-year alfalfa* | *All no-till* |
| *Continuous mixed hay* | *No-till* |
| | |
| | |

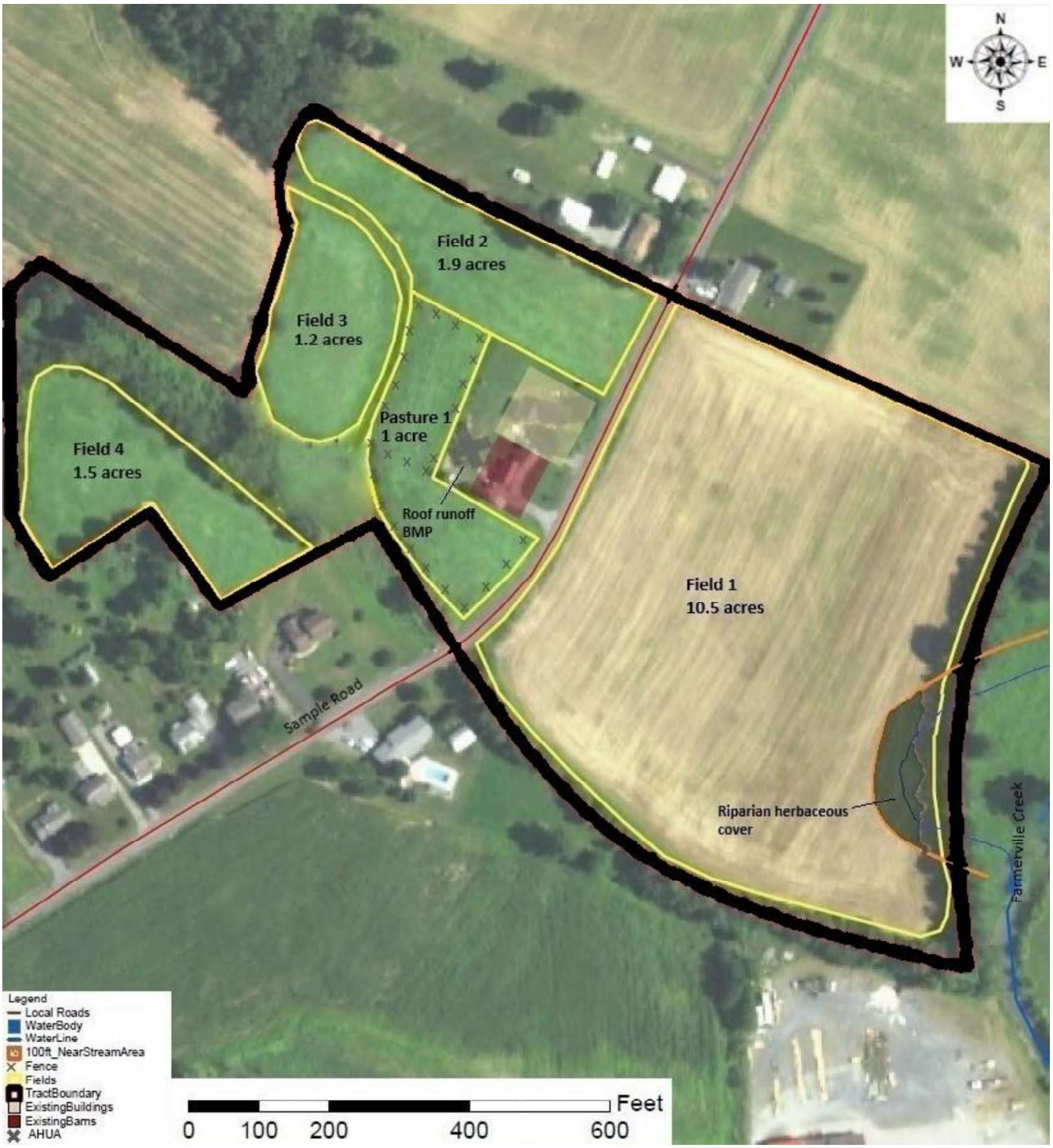
**d) Are there crop fields within 100 feet of a stream or river?** ☒ Yes ☐ No
If yes, complete Section 4.

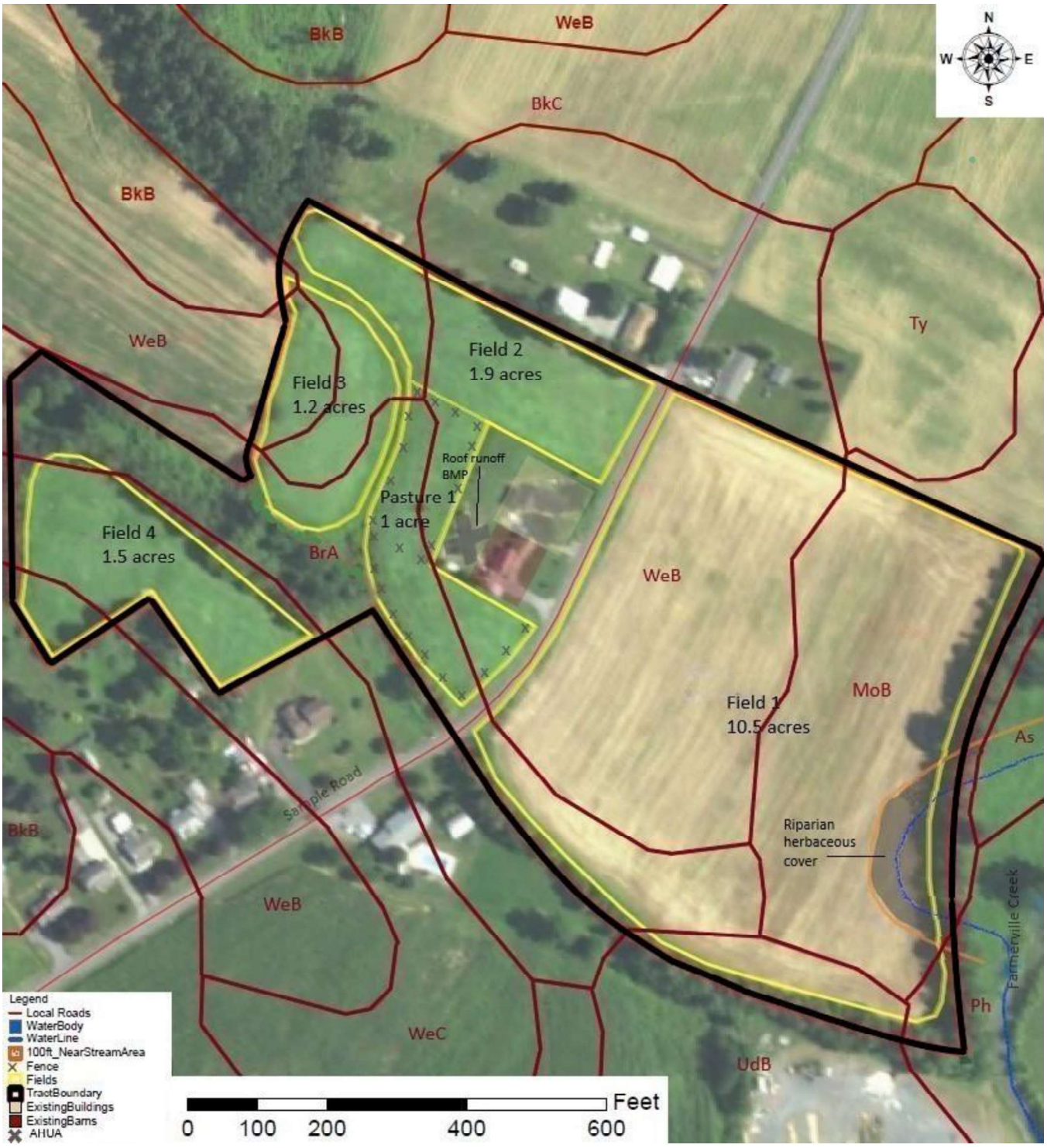
**e) Animals: Are there animal heavy use areas on the farm?** ☒ Yes ☐ No
If yes, complete Section 5.

**f) Operation Map(s): Provided with all required information?** ☒ Yes ☐ No
*Included on page 35.*

**g) Soil Information: Provided for entire operation?** ☒ Yes ☐ No
*Included on page 36 and 37.*

**h) Topographic Map: Provided for entire operation?** ☒ Yes ☐ No
*Included on page 38.*


N
W
E
S
Field 2
1.9 acres
Field 3
1.2 acres
Pasture 1
1 acre
Field 4
1.5 acres
Roof runoff
BMP
Field 1
10.5 acres
Sample Road
Riparian herbaceous
cover
Farmerville Creek
Legend
Local Roads
WaterBody
WaterLine
100ft_NearStreamArea
Fence
Fields
TractBoundary
ExistingBuildings
ExistingBarns
AHUA
Feet
0
100
200
400
600


BkB
WeB
BkC
BkB
WeB
Ty
Field 2
1.9 acres
Field 3
1.2 acres
Roof runoff
BMP
Pasture 1
1 acre
Field 4
1.5 acres
BrA
WeB
MoB
Field 1
10.5 acres
As
Riparian
herbaceous
cover
Sample Road
BkB
WeB
Farmerville Creek
Ph
WeC
UdB
N
W
E
S
Legend
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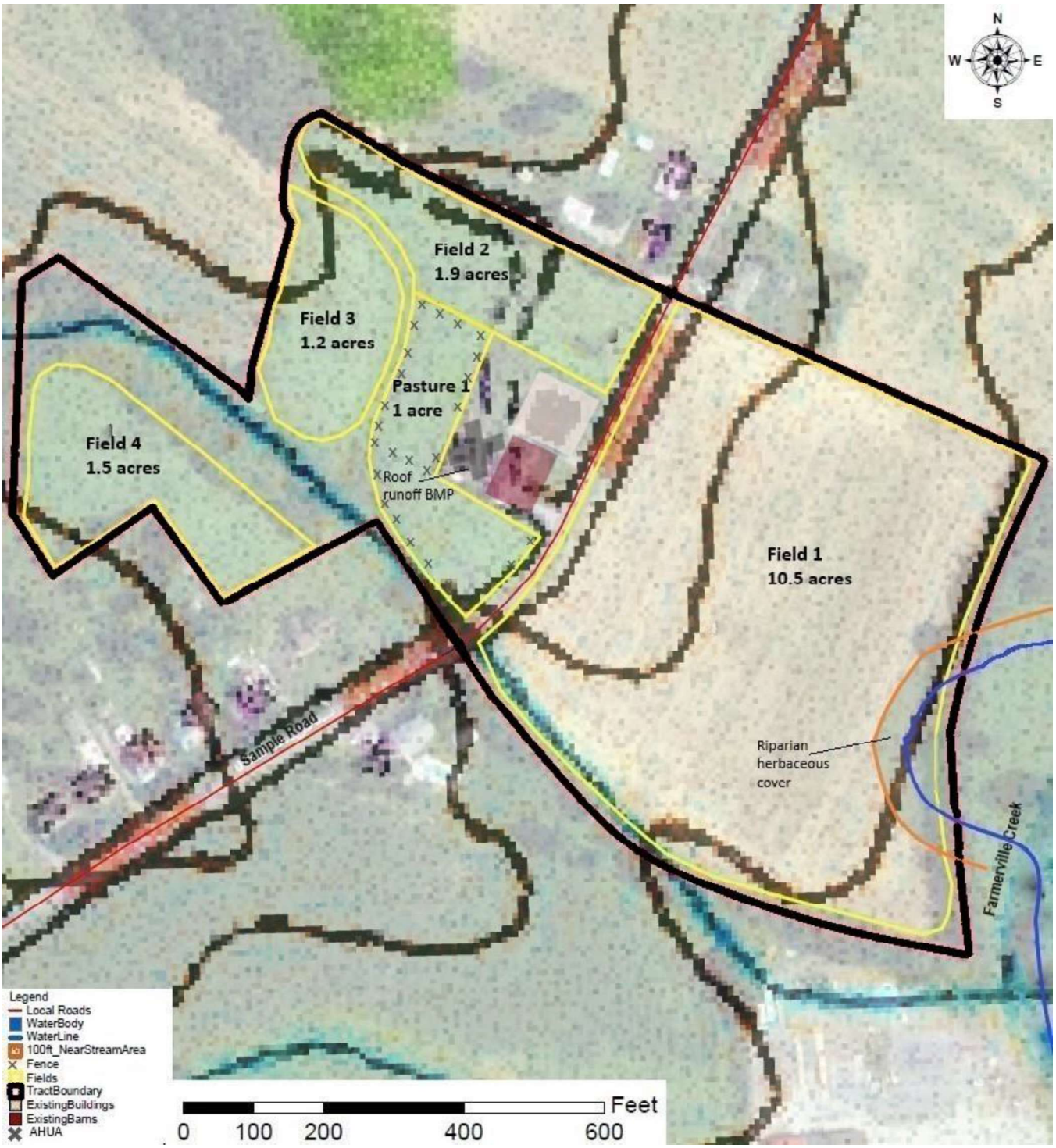
WaterBody
WaterLine
100ft_NearStreamArea
Fence
Fields
TractBoundary
ExistingBuildings
ExistingBarns
AHUA
0
100
200
400
600
Feet

**Major/Dominant Soil Type and Information for Each Field on Operation**

| ***Field Name*** | ***Soil*** | ***Slope T Value*** | ***Slope Length, ft*** | ***Slope Steepness, %*** |
|---|---|---|---|---|
| *Field 1* | *MoB, Monongahela silt loam, 3 to 8 percent slopes* | *4.0* | *150* | *6.0* |
| *Field 2* | *WeB, Weikert channery silt loam, 3 to 8 percent slopes* | *2.0* | *150* | *6.0* |
| *Field 3* | *BkC, Berks channery silt loam, 8 to 15 percent slopes* | *2.0* | *89* | *13.0* |
| *Field 4* | *WeC, Weikert channery silt loam, 8 to 15 percent slopes* | *1.0* | *110* | *11.0* |
| *Pasture 1* | *BrA, Brinkerton silt loam, 0 to 3 percent slopes* | *3.0* | *110* | *3.0* |

**Note:** This information may be provided on a map or in a tabular form as shown on this page.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AHUA
0
100
200
400
600
Feet

## SECTION 2: SOIL LOSS

| Major/Dominant Soil Types on Farm | T Value (tons soil loss/acre/year) |
|---|---|
| *WeC, Weikert channery silt loam, 8-15% slopes* | *1* |
| *BrA, Brinkerton silt loam, 0-3% slopes* | *3* |
| *BkC, Berks channery silt loam, 8-15% slopes* | *2* |
| *MoB, Monongahela silt loam, 3-8% slopes* | *4* |
| *WeB, Weikert channery silt loam, 3-8% slopes* | *2* |
| | |
| | |

**SOIL LOSS CALCULATIONS**

*Predicted Average Annual Soil Loss Based on Planned Crop Rotation and Management:*

| Field | Rotation Year(s) | Management(s) – Crop Rotations and Tilling/Planting Methods | Predicted Average Annual Soil Loss | Soil Type T Value |
|---|---|---|---|---|
| *1* | *1* | *Corn grain, no-till* | *3.24* | *4* |
| *1* | *2* | *Soybeans, chisel* | *3.24* | *4* |
| *2* | *1* | *Corn grain, no-till* | *1.85* | *2* |
| *2* | *2* | *Oats, chisel* | *1.85* | *2* |
| *2* | *2* | *Wheat cover crop, chisel* | *1.85* | *2* |
| *2* | *3 – 6* | *Mixed hay, no-till* | *1.85* | *2* |
| *3* | *1* | *Corn grain, no-till* | *0.90* | *2* |
| *3* | *1* | *Rye cover crop, no-till* | *0.90* | *2* |
| *3* | *2* | *Corn grain, no-till* | *0.90* | *2* |
| *3* | *3 & 4* | *Alfalfa, no-till* | *0.90* | *2* |
| *4* | *All* | *Mixed hay, no-till* | *0.34* | *1* |
| | | | | |
| | | | | |
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**Method Used to Determine Predicted Soil Loss:** *PAOneStop*

**Note:** Calculations/report printouts must be included for all methods used. If your report printouts list the information above, you do not need to duplicate the information on this chart. If Appendix B is used, note this above for that field(s)/rotation(s); the "Predicted Average Annual Soil Loss" column does not need to be completed and calculations are not necessary.

Please copy this page as needed to document additional soil types and/or crop rotations.

## SECTION 3: CROPLAND, HAYLAND, AND PASTURE BMPs

| Summary of BMPs | | |
|---|---|---|
| **Field(s) #** | **BMP** | **Date Implemented (or Scheduled Date for Proposed BMP)** |
| *1 & 2* | *Contour farming* | *4/1/2011* |
| *2 & 3* | *Cover crop* | *4/1/2015* |
| *1 - 4* | *No-till* | *4/1/2015* |
| *Pasture 1* | *Fence* | *5/15/2017* |
| *Pasture 1* | *Prescribed grazing* | *4/1/2011* |
| | | |

**Note:** If any dates listed above are for proposed BMPs and they are not implemented by that scheduled date, the Ag E&S Plan will need to be updated with the correct implementation date.

Please copy this page as needed to document additional BMPs.

**BMP:** *Contour farming*

**Description of BMP:**

*Aligning ridges, furrows, and roughness formed by tillage, planting, and other operations to alter velocity and/or direction of water flow to around the hillslope to reduce erosion and increase water infiltration. Contour farming is most effective on slopes between 2 – 10% and slopes between 100 – 400 feet long. This is practiced on fields 1 and 2, which both have 6% slopes that are 150 feet in length.*

**Operation & Maintenance Information:**

*Perform all tillage and planting operations parallel to contour lines. Evaluate annually for signs of erosion or deviation from contour.*

**Implementation Schedule:**

| Field # | Amount of BMP (acres, feet, number, etc., as applicable) | Date Implemented (or Scheduled Date for Proposed BMP) |
|---|---|---|
| *1* | *10.5 acres* | *4/1/2011* |
| *2* | *1.9 acres* | *4/1/2011* |
| | | |
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Please copy this page as needed to document additional BMPs.

*In this example, a separate sheet would be submitted for each of the four other BMPs listed on the previous page to document the descriptions, O&M information, and implementation schedules for cover crop, no-till, fence, and prescribed grazing.*

## SECTION 4: FIELDS ALONG STREAMS AND RIVERS

| Summary of BMPs | | |
|---|---|---|
| **Field(s) #** | **BMP** | **Date Implemented (or Scheduled Date for Proposed BMP)** |
| *Field 1* | *Riparian herbaceous cover* | *4/1/2015* |
| | | |
| | | |
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**BMP:** *Riparian herbaceous cover/buffer*

**Description of BMP:**

*Plant a vegetative buffer adjacent to the stream. The riparian cover consists of grasses, sedges, rushes, ferns, legumes, and forbs comprising the ecosystems along riparian areas of water courses. The buffer should be 35 feet wide on each side of the stream as measured from the edge of the stream. This buffer is 100 feet wide on the western side of the stream and 35 – 60 feet wide on the eastern side of the stream. This buffer is also adjacent to forested land on either side of the stream.*

**Operation & Maintenance Information:**

*Inspect periodically and protect to maintain the intended purpose from adverse impacts, such as excessive vehicular/pedestrian traffic, pest infestations, pesticide use on adjacent lands, livestock damage, and fire.*

**Implementation Schedule:**

| Field # | Amount of BMP (acres, feet, number, etc., as applicable) | Date Implemented (or Scheduled Date for Proposed BMP) |
|---|---|---|
| *1* | *0.25 acre* | *4/1/2015* |
| | | |
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## SECTION 5: ANIMAL HEAVY USE AREAS

| Summary of BMPs | | | | |
|---|---|---|---|---|
| **AHUA #** | **Location of AHUA** | **Description/Size** | **BMP** | **Date Implemented (or Scheduled Date for Proposed BMP)** |
| *1* | *Western side of barn* | *Earthen lot, approximately 0.18 acres* | *Roof runoff structure* | *6/15/2019* |
| | | | | |
| | | | | |

Operators/landowners with AHUAs requiring both the development and implementation of BMPs need to immediately contact their local county conservation district and/or a commercial planner and must document that contact and the time frame for developing and implementing those practices. If operators with AHUAs are interested in evaluating all resource concerns and are willing to implement one or more conservation practices to address those resource concerns, you should contact NRCS.

If applicable, list date contact was made to the assisting agency/party to help in these efforts:

*2/15/2019*

If applicable, list who was contacted to assist in these efforts:

*Ms. R.E. Bell, Wild Pig Consulting Firm*

**Note:** If any dates listed above are for proposed BMPs and they are not implemented by that scheduled date, the Ag E&S Plan will need to be updated with the correct implementation date.

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**BMP:** *Roof runoff structure*

**Description of BMP:**

*Installation of structures that will collect, control, and transfer precipitation runoff from the roof (gutters and downspouts). One structure will be installed at the AHUA located on the western side of the barn.*

**Operation & Maintenance Information:**

*Ensure that all gutters/downspouts are directed to a clean and stabilized outlet. Keep roof runoff structures clean and free of obstructions that reduce flow. Make regular inspections and perform cleaning/maintenance as needed. Structures should also be checked after major storms.*

**Implementation Schedule:**

| AHUA # | Amount of BMP (acres, feet, number, etc., as applicable) | Date Implemented (or Scheduled Date for Proposed BMP) |
|---|---|---|
| *1* | *1* | *6/15/2019* |
| | | |
| | | |
| | | |
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| | | |
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| | | |

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