

## 319 NONPOINT SOURCE MANAGEMENT GOALS & ACCOMPLISHMENTS FORM

This form represents (choose one):

- ☐ Project Goals  
☒ Project Accomplishments (to be submitted with final report)

**Project Title:** WIP Implementation Phase V South Branch Plum Creek

**State Project Number:** 2005

**Contract Number:** C990000000

**Primary Subgrantee:** Indiana County Conservation District

**Project Manager Name:** John Smith  
**Project Manager Phone:** 724-555-5555

**Grant Amount** (319(h) Federal Funds): \$280,000

**Project Start Date:** 4/1/2021

**Project End Date:** 6/30/2023

### Key Partners:

Partner Name* (Add additional rows if needed)	Role	Organization Type	Match/Partner Contributions Amount	Cash or In-Kind
Indiana County Conservation District	Grant Admin.	County/Municipal Agencies	\$10,000	Cash
Americorps	Education	Non-Government Org. (NGO)	\$2,000	In-Kind
Contractor X	Materials	Private Sector	\$5,000	Cash
landowners	Assistance	Private Land Holders	\$1,700	In-Kind
		Choose an item.	\$	

\*Do not list individual volunteer or private land holder names.

### Work Categories:

Primary	Non-Primary	(Check all that apply. One must be marked primary. The rest of the applicable work categories are to be marked non-primary)
<input type="checkbox"/>	<input type="checkbox"/>	<b>319(h) National Monitoring Project</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>BMP Design</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>BMP Effectiveness Monitoring</b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>BMP Implementation</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Education/Information</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>GIS/Modeling</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Monitoring Design</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>NPS State Staff Activities</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Regulatory/Enforcement</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Water Quality Assessment/Monitoring</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Watershed Planning</b>

**Sources of NPS Pollution:** (Provide **Category** percentages and check all applicable **Secondary Categories**.)

80%	<b>Agriculture</b> <input type="checkbox"/> Aquaculture <input checked="" type="checkbox"/> Grazing Related Sources <input type="checkbox"/> Irrigated Crop Production <input type="checkbox"/> Non-Irrigated Crop Production <input type="checkbox"/> Pasture Grazing <input type="checkbox"/> Range Grazing <input type="checkbox"/> Specialty Crop Production (e.g. horticulture/citrus/nuts/fruits)	%	<b>Marinas and Recreational Boating</b> <input type="checkbox"/> Boat Construction <input type="checkbox"/> Boat Maintenance <input type="checkbox"/> Dredging <input type="checkbox"/> Fueling <input type="checkbox"/> Other On-Vessel Discharges <input type="checkbox"/> Pumpouts <input type="checkbox"/> Sanitary On-Vessel Discharges <input type="checkbox"/> Shoreline Erosion
%	<b>Animal Feeding Operations</b> (no secondary category)	%	<b>Other NPS Pollution</b> <input type="checkbox"/> Atmospheric Deposition <input type="checkbox"/> Erosion From Derelict Land <input checked="" type="checkbox"/> Forest fire/Wildfire <input type="checkbox"/> Groundwater Loadings <input type="checkbox"/> Natural Sources <input type="checkbox"/> Rec. & Tourism Activities (non-boating) <input type="checkbox"/> Spills <input type="checkbox"/> Wildlife
%	<b>Construction</b> <input type="checkbox"/> Highways/Roads/Bridges <input type="checkbox"/> Land Development or Redevelopment		
%	<b>Historical Pollutants</b> <input type="checkbox"/> Clean Sediments <input type="checkbox"/> Contaminated Sediments <input type="checkbox"/> Other Historical Pollutants		
%	<b>Hydromodification</b> <input type="checkbox"/> Channelization <input type="checkbox"/> Dam Construction <input type="checkbox"/> Drainage/Filling of Wetlands <input type="checkbox"/> Dredging <input type="checkbox"/> Flow Regulations/Modification <input type="checkbox"/> Groundwater Withdrawal <input checked="" type="checkbox"/> Other Habitat Modification <input type="checkbox"/> Removal of Riparian Vegetation <input type="checkbox"/> Streambank or Shoreline Modification/Destabilization <input type="checkbox"/> Upstream Impoundment	%	<b>Resource Extraction</b> <input type="checkbox"/> Abandoned Mine Drainage <input type="checkbox"/> Dredge Mining <input type="checkbox"/> Mill Tailings <input type="checkbox"/> Mine Tailings <input type="checkbox"/> Open Pit Mining <input type="checkbox"/> Petroleum Activities <input type="checkbox"/> Placer Mining <input type="checkbox"/> Sand/Gravel Mining <input type="checkbox"/> Subsurface Mining <input type="checkbox"/> Surface Mining
20%	<b>Land Disposal/Storage Treatment</b> <input type="checkbox"/> Hazardous Waste <input type="checkbox"/> Inappropriate Waste Disposal <input type="checkbox"/> Industrial Land Management <input type="checkbox"/> Landfills <input checked="" type="checkbox"/> On-site/Decentralized Wastewater <input type="checkbox"/> Septage Disposal <input type="checkbox"/> Storage Tank Leaks (above ground) <input type="checkbox"/> Storage Tank Leaks (underground) <input type="checkbox"/> Wastewater	%	<b>Silviculture</b> <input type="checkbox"/> Forest Management <input type="checkbox"/> Harvesting/Residue Management <input type="checkbox"/> Reforestation <input type="checkbox"/> Road Construction Maintenance
		%	<b>Turf Management</b> <input type="checkbox"/> Golf Courses <input type="checkbox"/> Other Turf Management <input type="checkbox"/> Yard Maintenance
		%	<b>Urban Runoff/Stormwater</b> <input type="checkbox"/> Commercial <input type="checkbox"/> Dry Weather Flows <input type="checkbox"/> Highway/Road/Bridge Runoff <input type="checkbox"/> Illicit Connections/Illegal Hook-ups <input type="checkbox"/> Municipal <input type="checkbox"/> Post-Development Erosion and Sed. <input type="checkbox"/> Residential <input type="checkbox"/> Salt Storage Sites

**Waterbodies:**

Waterbody Name (Add additional rows if needed.)	Type	ATTAINS ID
South Branch Plum Creek	Stream/Creek/River	PA-SCR-123861204
Leisure Run	Stream/Creek/River	PA-SCR-123851636
	Choose an item.	

**Map Location & Drainage Areas:** (Attach map(s) showing the location of the site(s).)

Site (Land Unit) Name (Add additional rows if needed.)	Latitude (decimal degrees)	Longitude (decimal degrees)	HUC12
WIP Site 38	40.772580	-79.109377	050100060901
WIP Site 89	40.770727	-79.129633	050100060901
WIP Site 51A	40.775748	-79.089861	050100060901

**Watershed Plan:**

319 Watershed Implementation Plan (WIP) Name	Status
Watershed Implementation Plan for South Branch Plum Creek	Implementing a Watershed Based Plan

**Pollutants and Load Reductions:**

(Implementation projects only. Check all that apply and complete the required items.)					Post-Implementation	
	Pollutant (Common pollutants are listed first.)	Estimated Load Reduction	Unit of Measure	Load Reduction Model*	Load Reduction Date	TMDL? Yes or No
<input type="checkbox"/>	Acidity		LBS/DAY			
<input type="checkbox"/>	Metals (Aluminum)		LBS/DAY			
<input type="checkbox"/>	Metals (Iron)		LBS/DAY			
<input type="checkbox"/>	Metals (Manganese)		LBS/DAY			
<input type="checkbox"/>	Nitrogen		LBS/YR			
<input type="checkbox"/>	Phosphorus		LBS/YR			
<input checked="" type="checkbox"/>	Sedimentation-Siltation	4.9	TONS/YR	Model My Watershed	6/15/2023	Yes
<input type="checkbox"/>	Algal Growth/Chlorophyll					
<input type="checkbox"/>	Ammonia					
<input type="checkbox"/>	Bacteria					
<input type="checkbox"/>	Biochemical Oxygen Demand (BOD)					
<input type="checkbox"/>	Chemical Oxygen Demand (COD)					
<input type="checkbox"/>	Chlorine					
<input type="checkbox"/>	Conductivity (mohms/cm @ 25 °C)					
<input type="checkbox"/>	Dissolved Oxygen (Low)					
<input type="checkbox"/>	Fecal coliform					
<input type="checkbox"/>	Inorganics (Other)					
<input type="checkbox"/>	Metals (Arsenic)					
<input type="checkbox"/>	Metals (Cadmium)					
<input type="checkbox"/>	Metals (Chromium)					
<input type="checkbox"/>	Metals (Copper)					
<input type="checkbox"/>	Metals (Lead)					

<input type="checkbox"/>	Metals (Mercury)					
<input type="checkbox"/>	Metals (Other)					
<input type="checkbox"/>	Metals (Selenium)					
<input type="checkbox"/>	Metals (Zinc)					
<input type="checkbox"/>	Nitrate					
<input type="checkbox"/>	Oil and Grease					
<input type="checkbox"/>	Organics (Other Nonpriority)					
<input type="checkbox"/>	Organics (Other Priority)					
<input type="checkbox"/>	PCBs					
<input type="checkbox"/>	Pathogens (Coliform)					
<input type="checkbox"/>	Pathogens (E Coli)					
<input type="checkbox"/>	Pathogens (Other)					
<input type="checkbox"/>	Pesticides (Chlordane)					
<input type="checkbox"/>	Pesticides (DDT)					
<input type="checkbox"/>	Pesticides (Dianzinon)					
<input type="checkbox"/>	Pesticides (Dieldrin)					
<input type="checkbox"/>	Pesticides (Other)					
<input type="checkbox"/>	Phosphate					
<input type="checkbox"/>	Road Salt or Deicer					
<input type="checkbox"/>	Sulfates					
<input type="checkbox"/>	Suspended solids					
<input type="checkbox"/>	Total Kjeldahl Nitrogen					
<input type="checkbox"/>	Toxics (Total)					
<input type="checkbox"/>	Treated Wastewater					
<input type="checkbox"/>	Turbidity					

\*Model used to generate load reductions should be consistent with WIP or TMDL, where applicable and appropriate.

#### Related Best Management Practices (BMPs)

Check all that apply and attach map(s) detailing BMP locations within the site(s):

	AMD Treatment/AML Practices	Planned On (date)	Implemented On (date)	Implemented Amount	Implemented Units of Measure
<input type="checkbox"/>	AMD treatment system, <input type="checkbox"/> subtype active				quantity
<input type="checkbox"/>	AMD treatment system, <input type="checkbox"/> subtype passive				quantity
<input type="checkbox"/>	land reconstruction, abandoned mined land (NRCS 543)				acres
	Agricultural Practices	Planned On (date)	Implemented On (date)	Implemented Amount	Implemented Units of Measure
<input type="checkbox"/>	access control (NRCS 472)				acres
<input type="checkbox"/>	access road (NRCS 560)				feet
<input type="checkbox"/>	agrichemical handling facility (NRCS 309)				quantity
<input type="checkbox"/>	alley cropping (NRCS 311)				acres
<input type="checkbox"/>	animal mortality facility (NRCS 316)				quantity
<input type="checkbox"/>	closure of waste impoundment (NRCS 360)				quantity
<input type="checkbox"/>	composting facility (NRCS 317)				quantity

<input type="checkbox"/>	<b>comprehensive nutrient management plan – written</b> (NRCS 102)				quantity
<input type="checkbox"/>	<b>comprehensive nutrient management plan – applied</b> (NRCS 103)				quantity
<input type="checkbox"/>	<b>conservation cover</b> (NRCS 327)				acres
<input type="checkbox"/>	<b>conservation crop rotation</b> (NRCS 328)				acres
<input type="checkbox"/>	<b>continuous cover crops</b> (SQL02)				acres
<input type="checkbox"/>	<b>contour buffer strips</b> (NRCS 332)				acres
<input type="checkbox"/>	<b>contour farming</b> (NRCS 330)				acres
<input type="checkbox"/>	<b>cover crop</b> (NRCS 340)				acres
<input checked="" type="checkbox"/>	<b>critical area planting</b> (NRCS 342)	3/1/2023	4/1/2023	0.50	acres
<input type="checkbox"/>	<b>deep tillage</b> (NRCS 324)				acres
<input type="checkbox"/>	<b>diversion</b> (NRCS 362)				feet
<input type="checkbox"/>	<b>drainage water management</b> (NRCS 554)				acres
<input type="checkbox"/>	<b>feed management</b> (NRCS 592)				animal units
<input checked="" type="checkbox"/>	<b>fence</b> (NRCS 382)	9/1/2021	10/1/2021	15,500	feet
<input type="checkbox"/>	<b>field border</b> (NRCS 386)				acres
<input type="checkbox"/>	<b>filter strip</b> (NRCS 393)				acres
<input type="checkbox"/>	<b>forage and biomass planting</b> (NRCS 512)				acres
<input type="checkbox"/>	<b>forage harvest management</b> (NRCS 511)				acres
<input type="checkbox"/>	<b>grazing land mechanical treatment</b> (NRCS 548)				acres
<input checked="" type="checkbox"/>	<b>heavy use area protection</b> (NRCS 561)	10/1/2021	10/1/2021	4,950	square feet
<input type="checkbox"/>	<b>intercropping to improve soil quality &amp; increase biodiversity</b> (SQL08)				acres
<input type="checkbox"/>	<b>irrigation water conveyance</b> (NRCS 430)				feet
<input type="checkbox"/>	<b>irrigation reservoir</b> (NRCS 436)				gallons
<input type="checkbox"/>	<b>irrigation system, microirrigation</b> (NRCS 441)				acres
<input type="checkbox"/>	<b>irrigation system, sprinkler</b> (NRCS 442)				acres
<input type="checkbox"/>	<b>irrigation system, surface and subsurface</b> (NRCS 443)				acres
<input type="checkbox"/>	<b>irrigation water management</b> (NRCS 449)				acres
<input type="checkbox"/>	<b>lined waterway or outlet</b> (NRCS 468)				feet
<input type="checkbox"/>	<b>livestock shelter structure</b> (NRCS 576)				square feet
<input type="checkbox"/>	<b>monitoring well</b> (NRCS 535)				quantity
<input type="checkbox"/>	<b>nutrient management</b> (NRCS 590)				acres
<input type="checkbox"/>	<b>pasture &amp; hayland management</b>				acres
<input checked="" type="checkbox"/>	<b>pipeline</b> (NRCS 516)	8/1/2022	7/1/2022	5,000	feet
<input checked="" type="checkbox"/>	<b>prescribed grazing</b> (NRCS 528)	10/1/2021	10/1/2021	50	acres
<input type="checkbox"/>	<b>residue and tillage management, no-till/strip till/direct seed</b> (NRCS 329)				acres
<input type="checkbox"/>	<b>roofs and covers</b> (NRCS 367)				quantity
<input type="checkbox"/>	<b>silvopasture establishment</b> (NRCS 381)				acres
<input checked="" type="checkbox"/>	<b>spring development</b> (NRCS 574)	8/1/2022	7/1/2022	1	quantity
<input type="checkbox"/>	<b>stormwater runoff control</b> (NRCS 570)				acres
<input checked="" type="checkbox"/>	<b>stream crossing</b> (NRCS 578)	9/1/2021	10/1/2021	1	quantity

<input type="checkbox"/>	<b>stripcropping</b> (NRCS 585)				acres
<input type="checkbox"/>	<b>structure for water control</b> (NRCS 587)				quantity
<input checked="" type="checkbox"/>	<b>subsurface drain</b> (NRCS 606)	8/1/2022	7/1/2022	200	feet
<input type="checkbox"/>	<b>surface drain, field ditch</b> (NRCS 607)				feet
<input type="checkbox"/>	<b>terrace</b> (NRCS 600)				feet
<input checked="" type="checkbox"/>	<b>trails and walkways</b> (NRCS 575)	9/1/2021	10/1/2021	60	feet
<input type="checkbox"/>	<b>transition to organic cropping systems</b> (WQL20)				acres
<input type="checkbox"/>	<b>transition to organic grazing systems</b> (WQL19)				acres
<input type="checkbox"/>	<b>waste storage facility</b> (NRCS 313)				quantity
<input type="checkbox"/>	<b>waste transfer</b> (NRCS 634)				quantity
<input type="checkbox"/>	<b>waste treatment lagoon</b> (NRCS 359)				quantity
<input type="checkbox"/>	<b>waste utilization</b> (NRCS 633)				quantity
<input type="checkbox"/>	<b>water and sediment control basin</b> (NRCS 638)				acres
<input type="checkbox"/>	<b>water well</b> (NRCS 642)				quantity
<input type="checkbox"/>	<b>water well decommissioning</b> (NRCS 351)				quantity
<input checked="" type="checkbox"/>	<b>watering facility</b> (NRCS 614)	8/1/2022	7/1/2022	13	quantity
	<b>Stormwater Practices</b>	<b>Planned On (date)</b>	<b>Implemented On (date)</b>	<b>Implemented Amount</b>	<b>Implemented Units of Measure</b>
<input type="checkbox"/>	<b>catch basin vacuum truck or unit</b>				quantity
<input type="checkbox"/>	<b>constructed wetland</b> (NRCS 656), <input type="checkbox"/> subtype aerobic				acres
<input type="checkbox"/>	<b>constructed wetland</b> (NRCS 656), <input type="checkbox"/> subtype anaerobic				acres
<input type="checkbox"/>	<b>dry extended detention basin</b>				acres
<input type="checkbox"/>	<b>impervious surface removal</b>				square feet
<input type="checkbox"/>	<b>infiltration basin</b>				acres
<input type="checkbox"/>	<b>planter boxes</b>				quantity
<input type="checkbox"/>	<b>pervious pavement</b>				square feet
<input type="checkbox"/>	<b>rain garden/bio-retention</b>				square feet
<input type="checkbox"/>	<b>rooftop disconnection</b>				acres
<input type="checkbox"/>	<b>sediment basin</b> (NRCS 350)				quantity
<input type="checkbox"/>	<b>sediment fore bay</b>				square feet
<input type="checkbox"/>	<b>street sweeping</b>				square feet
<input type="checkbox"/>	<b>subsurface infiltration bed</b>				acres
<input type="checkbox"/>	<b>vegetated roof</b>				square feet
<input type="checkbox"/>	<b>vegetated swale</b>				feet
<input type="checkbox"/>	<b>water quality inserts/inlets</b>				quantity
	<b>Streams/Lakes/Ponds Practices</b>	<b>Planned On (date)</b>	<b>Implemented On (date)</b>	<b>Implemented Amount</b>	<b>Implemented Units of Measure</b>
<input type="checkbox"/>	<b>channel bed stabilization</b> (NRCS 584)				feet
<input type="checkbox"/>	<b>channel floodplain restoration</b>				feet
<input type="checkbox"/>	<b>dam removal</b>				quantity
<input type="checkbox"/>	<b>dredging</b>				acres

<input type="checkbox"/>	<b>fish passage</b> (NRCS 396)				quantity
<input type="checkbox"/>	<b>in-lake alum treatment</b>				acres
<input type="checkbox"/>	<b>lake aeration</b>				acres
<input type="checkbox"/>	<b>pond</b> (NRCS 378)				acres
<input type="checkbox"/>	<b>pond sealing or lining, flexible membrane</b> (NRCS 521A)				square feet
<input type="checkbox"/>	<b>riparian forest buffer</b> (NRCS 391)				acres
<input type="checkbox"/>	<b>riparian herbaceous cover</b> (NRCS 390)				acres
<input checked="" type="checkbox"/>	<b>streambank and shoreline protection</b> (NRCS 580)	6/30/2023	6/15/2023	2,500	feet
	<b>Wetland Practices</b>	<b>Planned On (date)</b>	<b>Implemented On (date)</b>	<b>Implemented Amount</b>	<b>Implemented Units of Measure</b>
<input type="checkbox"/>	<b>wetland acquisition for protection</b>				acres
<input type="checkbox"/>	<b>wetland creation</b> (NRCS 658)				acres
<input type="checkbox"/>	<b>wetland enhancement</b> (NRCS 659)				acres
<input type="checkbox"/>	<b>wetland restoration</b> (NRCS 657)				acres
<input type="checkbox"/>	<b>wetland wildlife habitat management</b> (NRCS 644)				acres
	<b>Forestry Practices</b>	<b>Planned On (date)</b>	<b>Implemented On (date)</b>	<b>Implemented Amount</b>	<b>Implemented Units of Measure</b>
<input type="checkbox"/>	<b>forest stand improvement</b> (NRCS 666)				acres
<input type="checkbox"/>	<b>forest trails and landings</b> (NRCS 655)				acres
<input type="checkbox"/>	<b>prescribed burning</b> (NRCS 338)				acres
	<b>Miscellaneous Practices</b>	<b>Planned On (date)</b>	<b>Implemented On (date)</b>	<b>Implemented Amount</b>	<b>Implemented Units of Measure</b>
<input type="checkbox"/>	<b>dirt/gravel road maintenance</b>				feet
<input type="checkbox"/>	<b>grade stabilization structure</b> (NRCS 410)				quantity
<input type="checkbox"/>	<b>grassed waterway</b> (NRCS 412)				acres
<input type="checkbox"/>	<b>hedgerow planting</b> (NRCS 422)				feet
<input checked="" type="checkbox"/>	<b>integrated pest management</b> (NRCS 595)				acres
<input type="checkbox"/>	<b>invasive species removal</b>				square feet
<input type="checkbox"/>	<b>land reclamation, landslide treatment</b> (NRCS 453)				acres
<input type="checkbox"/>	<b>land reclamation, toxic discharge control</b> (NRCS 455)				acres
<input type="checkbox"/>	<b>mulching</b> (NRCS 484)				acres
<input checked="" type="checkbox"/>	<b>pumping plant</b> (NRCS 533)	8/1/2022	7/1/2022	1	quantity
<input type="checkbox"/>	<b>restoration and management of rare or declining habitats</b>				quantity
<input type="checkbox"/>	<b>roof runoff structure</b> (NRCS 558)				feet
<input type="checkbox"/>	<b>tree/shrub establishment</b> (NRCS 612)				acres
<input type="checkbox"/>	<b>upland wildlife habitat management</b> (NRCS 645)				acres



**ACCOMPLISHMENTS ONLY (Post-Grant Completion)**

**What differed between the final approved workplan and what was finally accomplished for this project? (eg. Clarify any amendments, project changes, deliverables.)**

The original construction contractor, chosen via a competitive bidding process, was able to fulfill the contract obligations. Thus, the second lowest bidder was chosen and was able to complete the project. We were able to stay within budget while receiving additional match funds and increasing the size of a BMP as described below.

**Best Management Practices (Implementation projects only):**

**If applicable, please explain why Installed BMPs were different than what was stated in the final approved work plan.**

The final workplan anticipated the installation of 200 linear feet of streambank stabilization on the mainstem at WIP site 51A. Due to contractor changes and landowner willingness, the length of streambank stabilized at site 51A was doubled to 400 linear feet, bringing the total sediment load reduction from the anticipated 4.5 tons/yr. to 4.9 ton/yr.

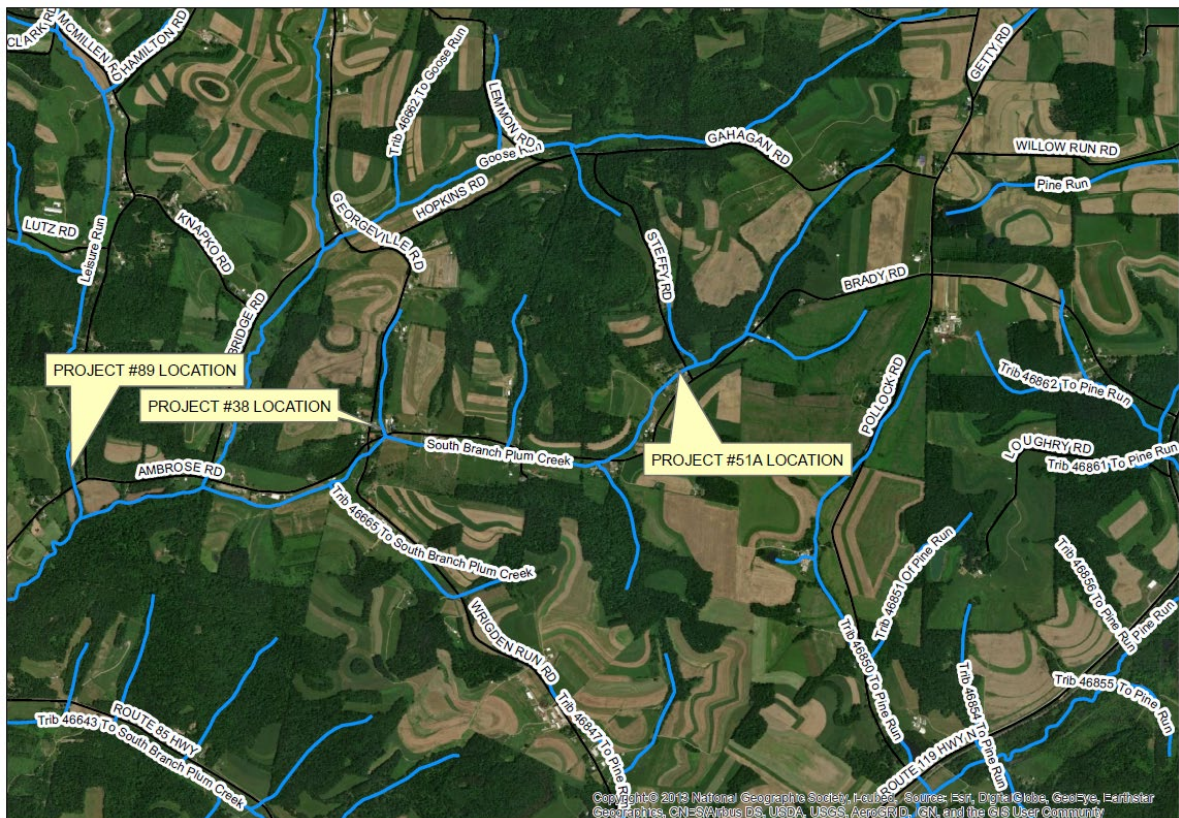
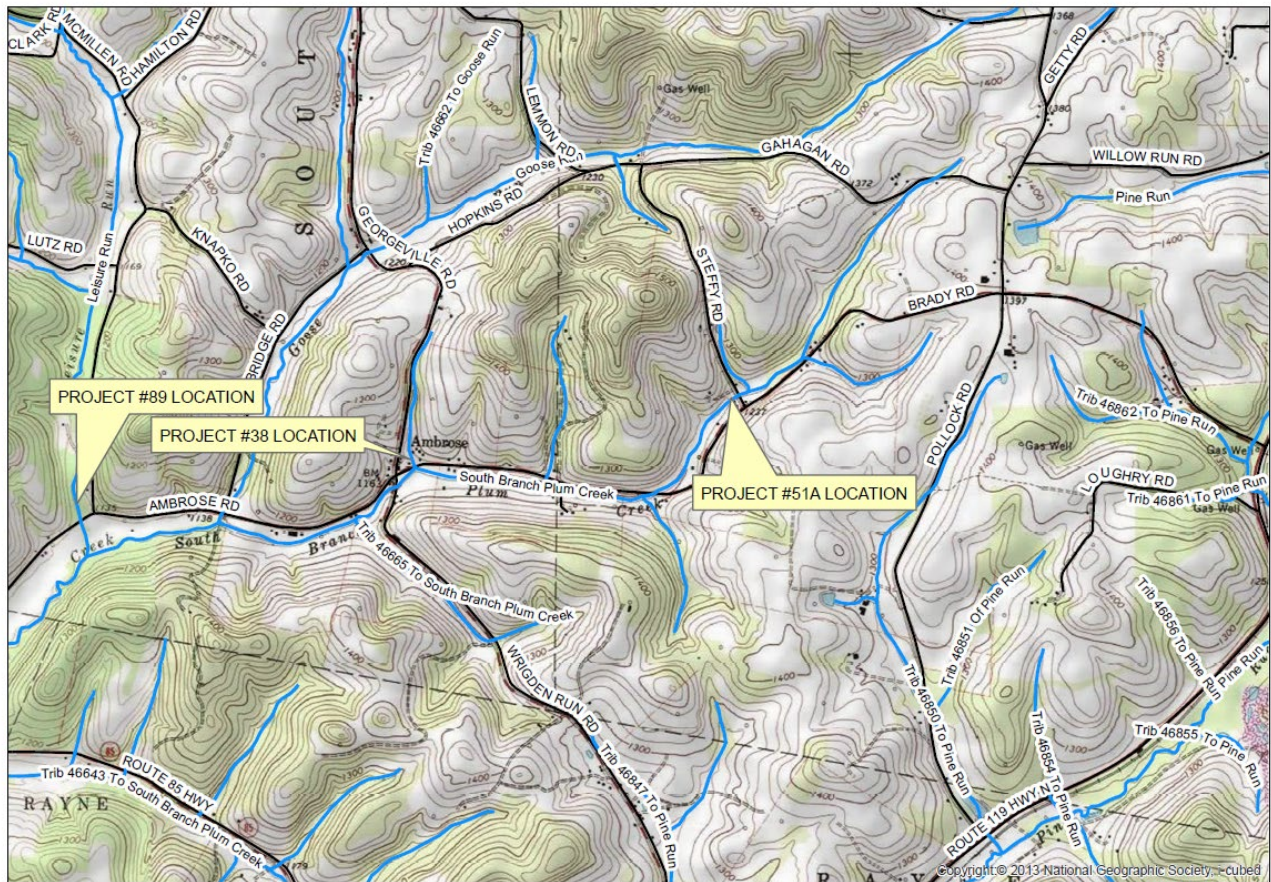
**Deliverables:**

<b>Deliverables planned in the final approved workplan</b> (Add additional rows if needed.)	<b>Deliverables submitted to PADEP</b>	<b>Date deliverable was submitted to PADEP</b>
Interim progress reports	Interim progress reports	quarterly
Operation and Maintenance Plans	Operation and Maintenance Plans	6/25/2023
Final Report	Final Report	6/25/2023

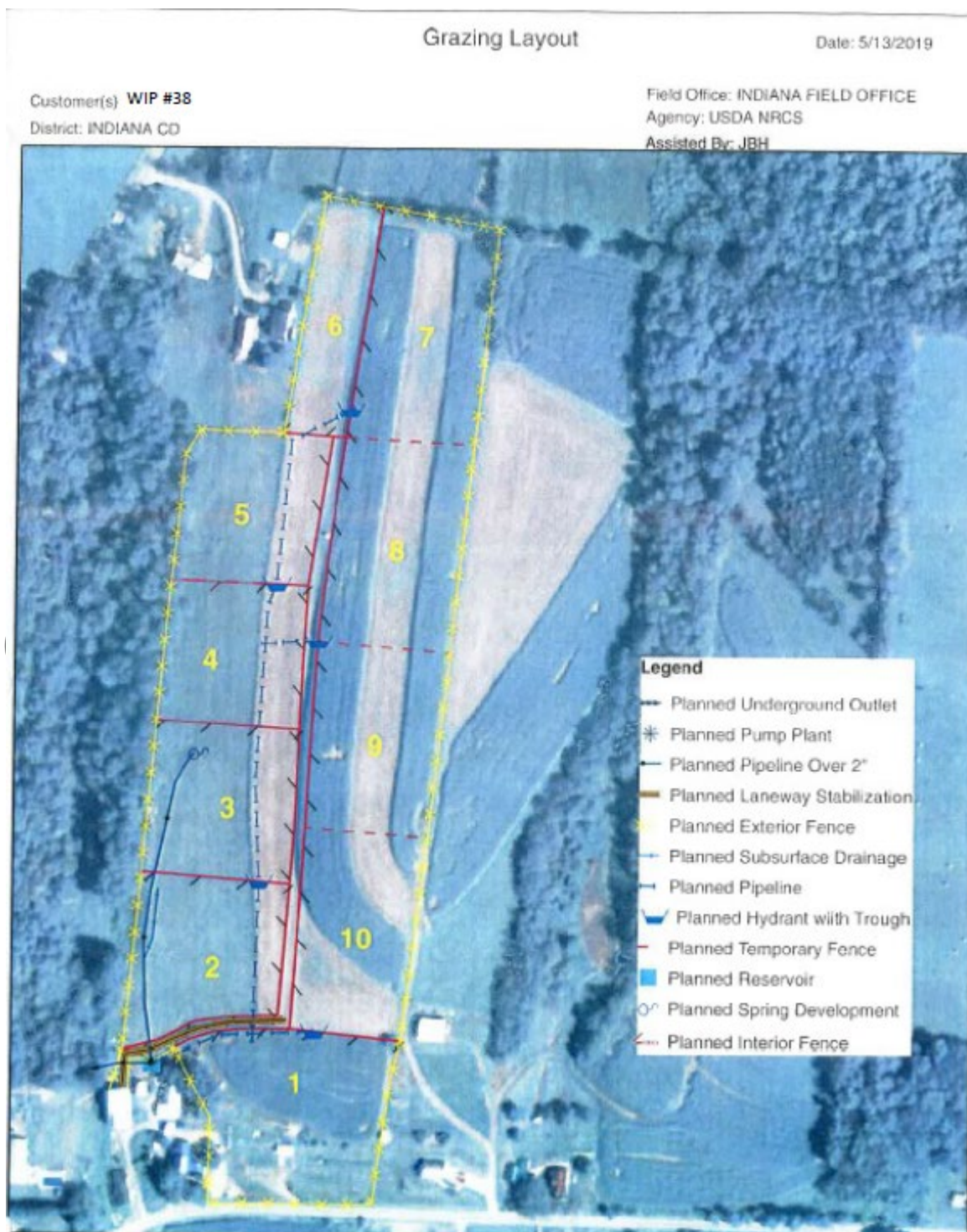
**If applicable, please explain why the deliverables that were submitted to PADEP were different than what was committed to in the final approved workplan.**

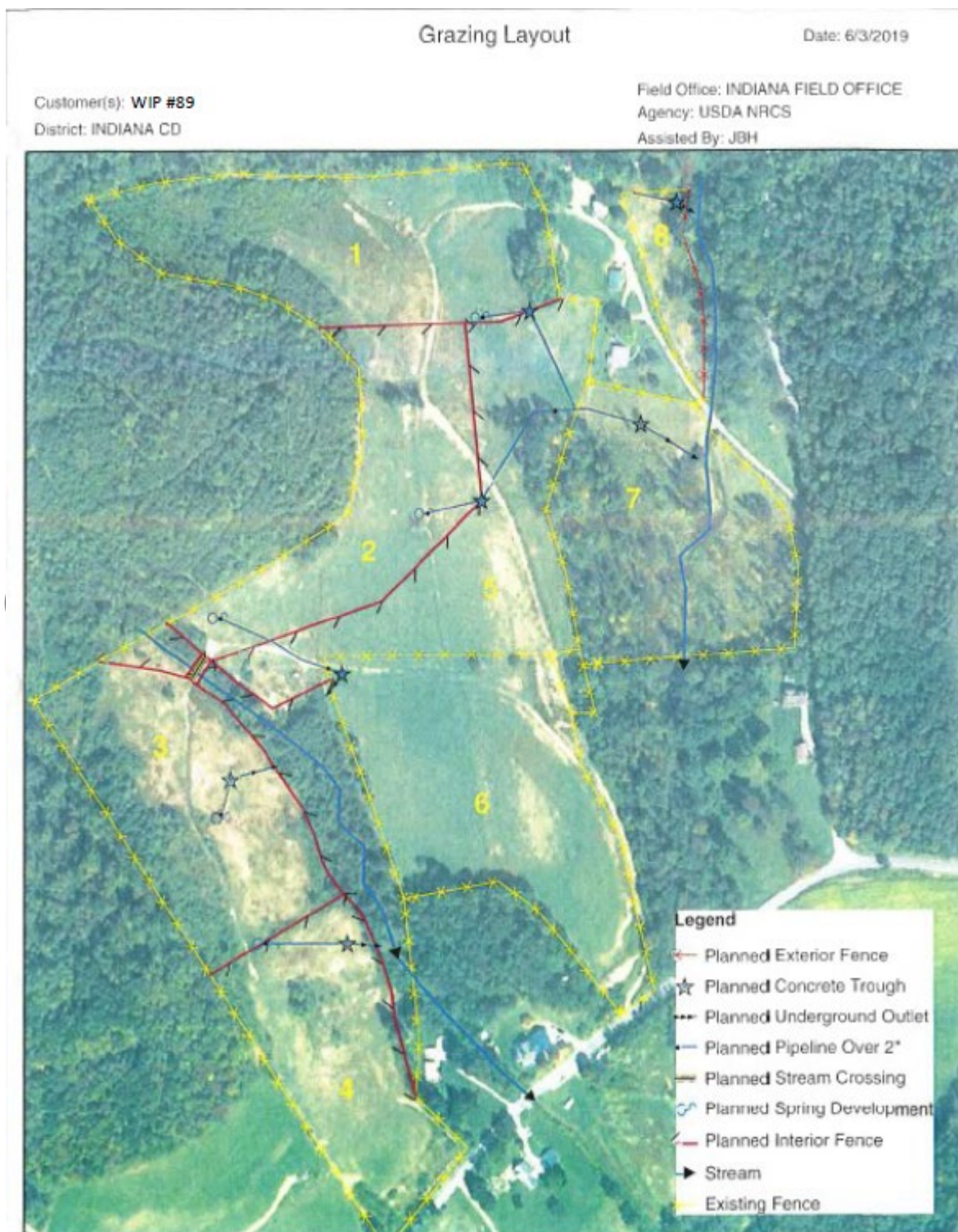
N/A













WIP Site 51A

