Illinois Department of Agriculture

Partners For Conservation Program

State Cost-Share Programs & Technical Assistance

Partners For Conservation Program

Also known as “PFC”; old statue was called CPP or Conservation Practices Program.

- **Objectives of the Program**

- Reduce Sheet and Rill Erosion Exceeding “T” (tolerable soil loss level)
- Ephemeral / Gully Erosion
- Minimize the transport of nutrients
- Address Water Quality issues- Sediment, Nutrients and Non-Point Source Pollutants

Illinois Department of Agriculture

Partners For Conservation Fund Program

PFC Program

- **Highlights**

- All 97 SWCDs are eligible to receive Partners for Conservation Program monies.
- Cost-share or incentive payments are for erosion control practices which address sheet + rill, ephemeral, and or gully erosion.
- Agreements are between the applicants and the local SWCD.

Illinois Department of Agriculture

Partners For Conservation Fund Program

PFC Program

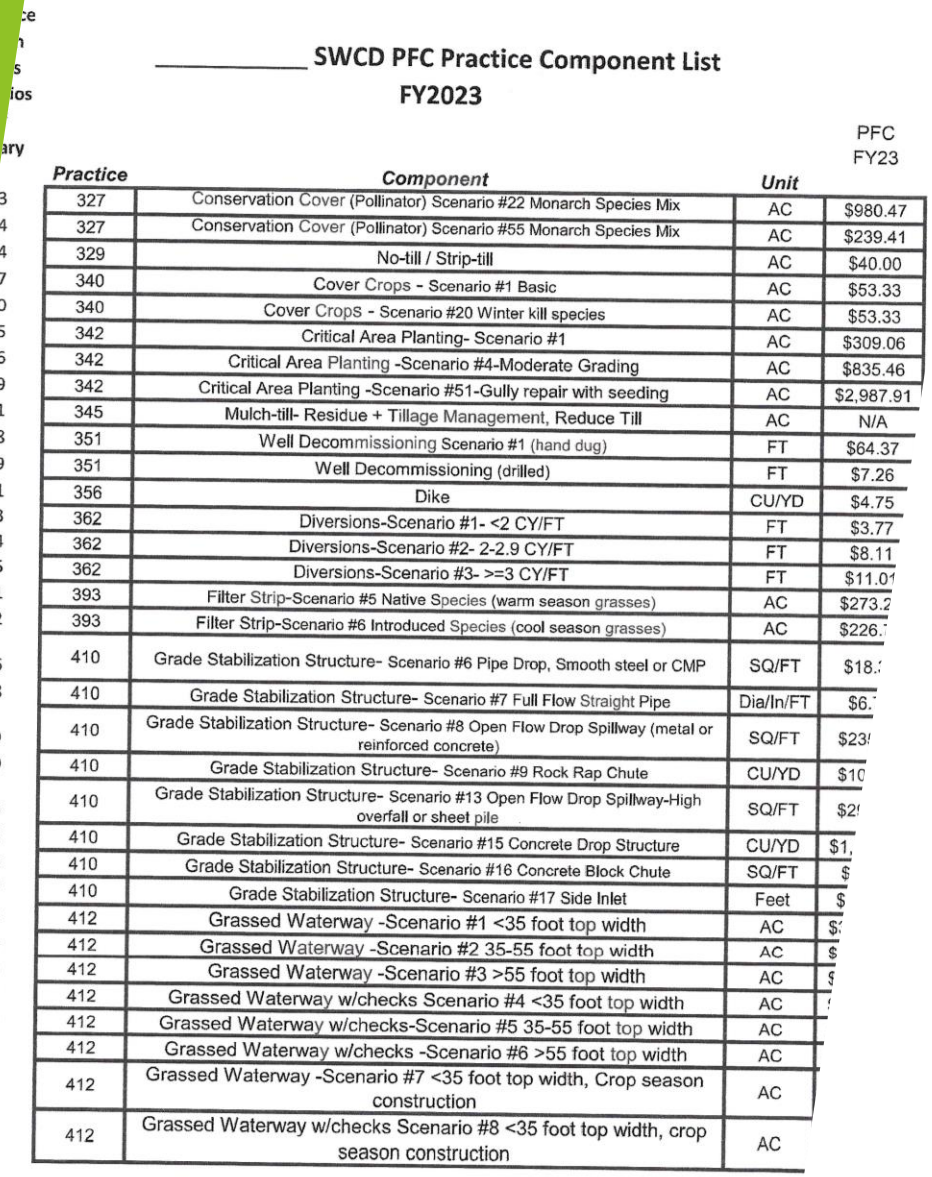
- One out of every four cropland fields are experiencing either ephemeral or gully erosion.
- These agricultural lands are the target of the Partners For Conservation Program.

Illinois Department of Agriculture

Partners For Conservation Program

PFC Program

- **Eligible Projects + NRCS Practice Scenarios**
- IDOA-BLWR prepares a list (found in the PFC Guidelines) of conservation practices that will emphasize soil erosion control and water quality protection. The costs are derived from the NRCS scenarios and adjusted annually.
- NRCS Natural Resources Conservation Service Technical Guide is used to establish specifications for all projects, otherwise known as Practice Standards. PFC projects must meet NRCS specs.



_____ SWCD PFC Practice Component List
FY2023

Practice	Component	Unit	PFC FY23
327	Conservation Cover (Pollinator) Scenario #22 Monarch Species Mix	AC	$980.47
327	Conservation Cover (Pollinator) Scenario #55 Monarch Species Mix	AC	$239.41
329	No-till / Strip-till	AC	$40.00
340	Cover Crops - Scenario #1 Basic	AC	$53.33
340	Cover Crops - Scenario #20 Winter kill species	AC	$53.33
342	Critical Area Planting- Scenario #1	AC	$309.06
342	Critical Area Planting -Scenario #4-Moderate Grading	AC	$835.46
342	Critical Area Planting -Scenario #51-Gully repair with seeding	AC	$2,987.91
345	Mulch-till- Residue + Tillage Management, Reduce Till	AC	N/A
351	Well Decommissioning Scenario #1 (hand dug)	FT	$64.37
351	Well Decommissioning (drilled)	FT	$7.26
356	Dike	CU/YD	$4.75
362	Diversions-Scenario #1- <2 CY/FT	FT	$3.77
362	Diversions-Scenario #2- 2-2.9 CY/FT	FT	$8.11
362	Diversions-Scenario #3- >=3 CY/FT	FT	$11.01
393	Filter Strip-Scenario #5 Native Species (warm season grasses)	AC	$273.2
393	Filter Strip-Scenario #6 Introduced Species (cool season grasses)	AC	$226.7
410	Grade Stabilization Structure- Scenario #6 Pipe Drop, Smooth steel or CMP	SQ/FT	$18.3
410	Grade Stabilization Structure- Scenario #7 Full Flow Straight Pipe	Dia/In/FT	$6.7
410	Grade Stabilization Structure- Scenario #8 Open Flow Drop Spillway (metal or reinforced concrete)	SQ/FT	$23
410	Grade Stabilization Structure- Scenario #9 Rock Rap Chute	CU/YD	$10
410	Grade Stabilization Structure- Scenario #13 Open Flow Drop Spillway-High overfall or sheet pile	SQ/FT	$2
410	Grade Stabilization Structure- Scenario #15 Concrete Drop Structure	CU/YD	$1,
410	Grade Stabilization Structure- Scenario #16 Concrete Block Chute	SQ/FT	$
410	Grade Stabilization Structure- Scenario #17 Side Inlet	Feet	$
412	Grassed Waterway -Scenario #1 <35 foot top width	AC	$
412	Grassed Waterway -Scenario #2 35-55 foot top width	AC	$
412	Grassed Waterway -Scenario #3 >55 foot top width	AC	$
412	Grassed Waterway w/checks Scenario #4 <35 foot top width	AC	
412	Grassed Waterway w/checks-Scenario #5 35-55 foot top width	AC	
412	Grassed Waterway w/checks -Scenario #6 >55 foot top width	AC	
412	Grassed Waterway -Scenario #7 <35 foot top width, Crop season construction	AC	
412	Grassed Waterway w/checks Scenario #8 <35 foot top width, crop season construction	AC	

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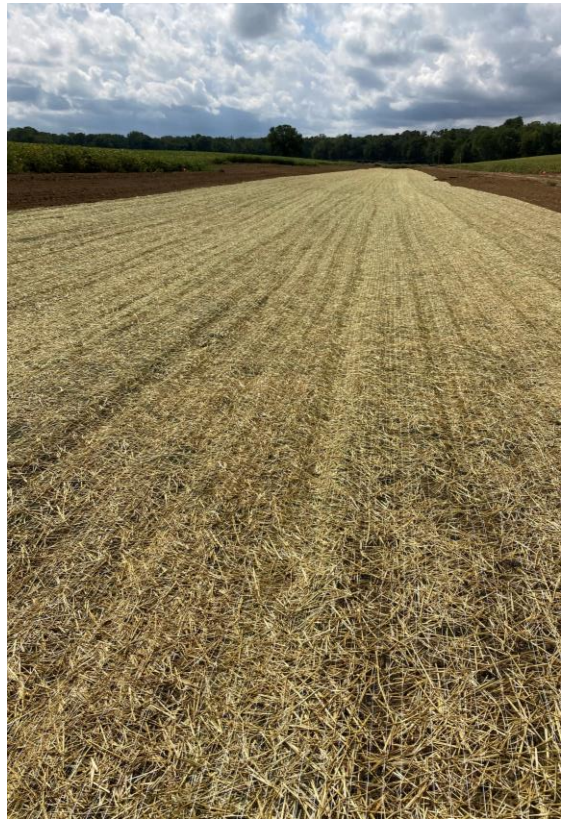
Partners For Conservation Fund Program

PFC Program



- **Eligible Practices – Traditional**
- No-Till / Strip-Till
- Cover Crops
- Critical Area Planting
- Grassed Waterways
- Diversions
- Water + Sediment Control Basins
- Terraces
- Grade Stabilization Structures
- Sealing Abandoned Water Wells
- Rain Gardens

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Partners For Conservation Fund Program

PFC Program

- **RCPP / Climate Smart Practices**
- 340 Cover Crops
- 327 Pollinators
- 329 No-Till / Strip-Till
- 342 Critical Area

Illinois Department of Agriculture

Partners for Conservation Fund Program

Climate Smart / RCPP Practices

Cover Crops

Pollinators

No-Till / Strip-Till

Critical Area Seeding

- When a claim for payment is made, the following documents should be submitted—each as a separate attachment:

- (FIPS) (Application #)
- XXX XXXXX Last name PFC 1-1b
- XXX XXXXX Last name STAR Forms
- XXX XXXXX Last name Job Sheet
- XXX XXXXX Last name CCC-902
- XXX XXXXX Last name Subsidiary Report
- XXX XXXXX Last name Farm Data Report
- XXX XXXXX Last name CPA-52

STATE LIST OF ELIGIBLE CONSERVATION PRACTICES
AND MAXIMUM COST-SHARE RATES
(AND THE NUMBER OF YEARS PRACTICES MUST BE MAINTAINED)

PRACTICE CODE	PRACTICE	COST SHARE RATES	MAINTENANCE YEARS
327	Conservation Cover (Pollinators) (See Notes)	75 % (10 Acres max)	5
329	No-till or Strip-till Planting System (acres) (See Notes)	$30/acre (up to 3 years) maximum $3,200/year	1
340	Cover Crop (acres) (See Notes)	75% up to $40/acre (up to 3 years) maximum $3,200/year	1-3
342	Critical Area Planting (Temporary Cover, acres) (See Notes)	75%	N/A
342	Critical Area Planting (acres)	75 %	10
345	Mulch-till (See notes)	N/A	
351	Well Decommissioning (Hand Dug)	75% not to exceed $400	N/A
351	Well Decommissioning (Drilled) (See Notes)	75% not to exceed $750	N/A
362	Diversion (feet)	75 %	10
393	Filter Strips (acres)(moved to appendix E)	75%	10
410	Grade Stabilization Structure (#)	75 %	15
412	Grassed Waterway (acres)	75 %	10
512	Pasture and Hayland Planting (acres) (See Notes)	75% not to exceed $275.15/ac cost-share	10
570	Rain Garden (See notes)	75% not to exceed $1.13; $1.74/sq ft for small scale	3
600	Terrace, Narrow or Broad Base (feet)	75 %	10
606	Subsurface Drain (feet) (See Notes)	75 %	20
620	Underground Outlet (feet) (See Notes)	75 %	20
638	Water and Sediment Control Basin (# & feet) (See Notes)	75 %	1(

Partners For Conservation Fund Program

PFC Program

- **Cost-Sharing Rates + Years**
- Financial incentive for the program shall not exceed 75% of the actual or the average cost, whichever is less.
- Average Cost- The PFC Program uses the NRCS Practice Scenarios for average cost.
- Actual Cost- The amount billed to the participant to install project.
- There are caps or maximum set for a few practices such as Cover Crops ($3200 / 80 acres)
- Maintenance Years of Practice determine Contract (ESC-1a) length.

Illinois Department of Agriculture

USDA - Natural Resources Conservation Service **Illinois**

Practice: 412 - Grassed Waterway

Scenario #4 - <35 foot top width with checks

Scenario Description:

Typical practice is 1 acre, 30' topwidth, 8:1 side slopes, 1.5' depth, half excavation. A grass waterway that is a shaped or graded channel and is established with suitable vegetation to carry surface water at a non-erosive velocity to a stable outlet. Stone checks are installed every 100 feet along the length of the waterway perpendicular to waterflow and are 2/3 the waterway top width to reduce maintenance and provide temporary protection until vegetation is established. This practice addresses Concentrated Flow Erosion (Classic Gully & Ephemeral Erosion) and Excessive Sediment in surface waters. Waterway area measured from top of bank to top of bank. Seeding area is 20% greater than waterway area to account for disturbed areas. Costs include excavation and associated work to construct the overall shape and grade of the waterway.

Before Situation:

The field has a small gulley which is cutting deeper into the field as time goes on, so it needs to be stopped or controlled. Excessive sedimentation and soil erosion as a result from ephemeral or classic gully erosion. Gully has formed in field as a result of excessive runoff and poor cropping techniques. Grassed waterway is also commonly installed to covey runoff from concentrated flows, terrarces, diversions, or water control structures or similar practices to a suitable, stable outlet.

After Situation:

Installed grassed waterway is 1 acre, 30' topwidth, 8:1 side slopes, 1.5' depth. Checks are installed every 100 feet along the length of the waterway. The practice is installed using a dozer. Stone checks are installed with small backhoe and labor. Waterway area is fertilized and seeded for establishment of waterway vegetation. If erosion control blankets or mulching for seedbed establishment/protection are needed, use conservation practice Mulching (484). Drainage tile, if needed, will be installed accoring to Subsurface Drain (606). Outlets, if needed will be installed using Structure for Water Control (587). If inlet Structures are needed with the drainage tile, then those will be installed using Underground Outlet (620).

Feature Measure: Acre of Waterway

Scenario Unit:: Acre

Scenario Typical Size: 1.0

Scenario Total Cost: $4,390.43

Scenario Cost/Unit: $4,390.43

Cost Details:

Component Name	ID	Description	Unit	Cost	QTY	Total
Equipment Installation						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	$10.99	1	$10.99
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	$6.66	1	$6.66
Lime application	953	Lime application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	$10.39	1	$10.39
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	$26.37	1	$26.37
Cultipacking	1100	Includes equipment, power unit and labor costs.	Acre	$7.97	1	$7.97
Excavation, common earth, large equipment, 50 ft	1222	Bulk excavation of common earth including sand and gravel with dozer >100 HP with average push distance of 50 feet. Includes equipment and labor.	Cubic Yard	$1.70	369.5	$628.15
Excavation, common earth, large equipment, 150 ft	1223	Bulk excavation of common earth including sand and gravel with dozer >100 HP with average push distance of 150 feet. Includes equipment and labor.	Cubic Yard	$4.02	369.5	$1,485.39
Foregone Income						
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	$401.13	0.5	$200.57
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	$400.93	0.5	$200.47
Labor						
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$44.46	1	$44.46
Materials						
Rock Riprap, Placed with geotextile	44	Rock Riprap, placed with geotextile, includes materials, equipment and labor to transport and place	Cubic Yard	$71.91	14	$1,006.74
Nitrogen (N), Urea	71	Price per pound of N supplied by Urea. Price is not per pound of total product applied, no conversion is needed.	Pound	$0.37	90	$33.30
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	$0.41	90	$36.90
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	$0.31	90	$27.90

Illinois Department of Agriculture

Partners For Conservation Fund Program

PFC Program

- **Average Costs**
- Only used for projects with established cost-share percentage, not for flat rate practices.
- It is an equitable and cost-efficient means of ensuring public dollars are expended consistently.
- IDOA-BLWR uses the USDA-NRCS Practice Scenarios for average costs. For grassed waterways, currently there are 12 scenarios from which to choose as well as 8 grade stabilization structure scenarios. PLEASE READ THE GUIDELINES; THE BLWR WELCOMES SUGGESTIONS.

Partners For Conservation Fund Program

PFC Program

- **Applications, Contracts, Prioritization**
- The PFC-1 form is the application and is also used to calculate the payment to the landowner or applicant.
- Form PFC-1A is the contract between SWCD and Cooperator. Project amendments can be made using the PFC-1A.
- Information gathered from the field visit, as well as the PFC-1 +1b, should be used for ranking and the prioritization of applications on the PFC-3.

Partners For Conservation Fund Program

PFC Program

- **Items for Priority Considerations**

- Total Cost
- Cost-share Dollars
- Total Cropland brought below T
- Dollar Cost per acre benefited
- Total tons of soil saved
- Dollar cost per ton
- Nutrient saving benefits or reduction of

- **Funding should be used on projects providing the most benefit in terms of soil saved or greatest protection offered per dollar expended**.

Illinois Department of Agriculture

Partners For Conservation Fund Program

PFC Program

District Review + Payment

Upon project completion, practice check out.

Gathering of bills, complete PFC-1, submit additional forms if project is Climate Smart / RCPP

Board Approval

Payment to Producers after IDOA –BLWR authorization of restricted fund to be spent by the SWCD.

Illinois Department of Agriculture

Partners For Conservation Fund Program

PFC Program

- **Special Projects**
- If project uses a practice not on the approved list, unique to a limited area, or noncropland acres experiencing erosion, the Special Project component is available.
- SWCD submits application to IDOA-BLWR before practice installation.
- IDOA-BLWR will review on a case-by-case basis.

Illinois Department of Agriculture

Partners For Conservation Fund Program

PFC Program

- **S.T.A.R. – Saving Tomorrow's Agricultural Resources**
- Starting in FY20, all PFC projects are required to complete a STAR form.
- Ask the producer to complete and sign the STAR form once the application is approved. This will ensure a recent STAR form is being utilized.
- Saving Tomorrow's Agriculture Resources (S.T.A.R.) is a FREE nationwide tool to assist farm operators and landowners in evaluating their nutrient and soil loss management practices on individual fields

Illinois Department of Agriculture

Partners For Conservation Fund Program

Streambank Stabilization & Restoration Program

- Low-cost Streambank Stabilization Techniques
- Stone Toe Protection
- Stream Barbs
- Bendway Weirs
- Rock Riffles
- Vegetative
- 75% cost-share with a per foot max
- SWCDs apply to the IDOA-BLWR.

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Partners For Conservation Fund Program

Fall Covers for Spring Saving Program

- Discount Program offers a crop insurance discount.
- Designed to promote additional acres for cover crops that are not covered by other state or federal program.
- $5 per acres discount, no limits
- Requires a FSA 578
- December 15 sign up; can complete application ahead of time and save until the date to submit. The program is first come, first serve with funding for 140,000 acres.
- This program is not under PFC; has its own line of funding.

Illinois Department of Agriculture

Partners for Conservation Fund Program PFC

- Now that you are familiar with the programs available to producers, let's take a closer look at the PFC 1 & 1B….

PFC 1

Application #

FIPS Code + 5 digit number

Unique to every PFC application; numbered consecutively

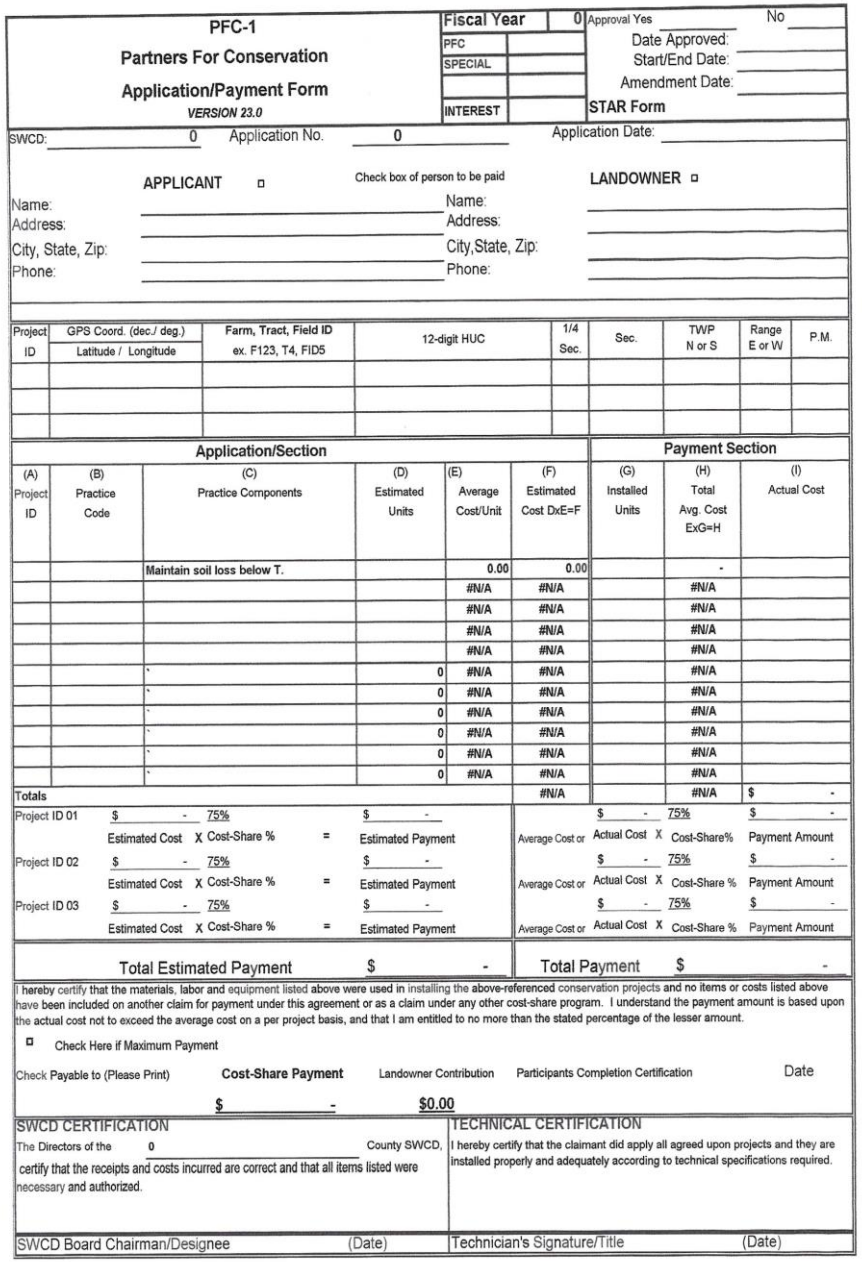
On the PFC 1, an apostrophe must be inserted prior to the 5 digit application number if it begins with a 0.

Project ID

Assigned to each reportable practice

Fiscal Year

Be sure to include the fiscal year of the funds being used



PFC-1

Partners For Conservation

Application/Payment Form

VERSION 23.0

Fiscal Year 0

PFC

SPECIAL

INTEREST

Approval Yes No

Date Approved:

Start/End Date:

Amendment Date:

STAR Form

SWCD: 0 Application No. 0 Application Date:

APPLICANT ☐ Check box of person to be paid LANDOWNER ☐

Name: Address: City, State, Zip: Phone:

Name: Address: City,State, Zip: Phone:

Project ID	GPS Coord. (dec./ deg.) Latitude / Longitude	Farm, Tract, Field ID ex. F123, T4, FID5	12-digit HUC	1/4 Sec.	Sec.	TWP N or S	Range E or W	P.M.

Application/Section

Payment Section

(A) Project ID	(B) Practice Code	(C) Practice Components	(D) Estimated Units	(E) Average Cost/Unit	(F) Estimated Cost DxE=F	(G) Installed Units	(H) Total Avg. Cost ExG=H	(I) Actual Cost
		Maintain soil loss below T.		0.00	0.00		-	
				#N/A	#N/A		#N/A	
				#N/A	#N/A		#N/A	
				#N/A	#N/A		#N/A	
				#N/A	#N/A		#N/A	
				#N/A	#N/A		#N/A	
		`	0	#N/A	#N/A		#N/A	
		`	0	#N/A	#N/A		#N/A	
		`	0	#N/A	#N/A		#N/A	
		`	0	#N/A	#N/A		#N/A	
		`	0	#N/A	#N/A		#N/A	
		`	0	#N/A	#N/A		#N/A	
Totals					#N/A		#N/A	$ -

Project ID 01 $ - 75% $ -
Estimated Cost X Cost-Share % = Estimated Payment

Project ID 02 $ - 75% $ -
Estimated Cost X Cost-Share % = Estimated Payment

Project ID 03 $ - 75% $ -
Estimated Cost X Cost-Share % = Estimated Payment

$ - 75% $ -
Average Cost or Actual Cost X Cost-Share% Payment Amount

$ - 75% $ -
Average Cost or Actual Cost X Cost-Share % Payment Amount

$ - 75% $ -
Average Cost or Actual Cost X Cost-Share % Payment Amount

Total Estimated Payment $ -

Total Payment $ -

I hereby certify that the materials, labor and equipment listed above were used in installing the above-referenced conservation projects and no items or costs listed above have been included on another claim for payment under this agreement or as a claim under any other cost-share program. I understand the payment amount is based upon the actual cost not to exceed the average cost on a per project basis, and that I am entitled to no more than the stated percentage of the lesser amount.

☐ Check Here if Maximum Payment

Check Payable to (Please Print) **Cost-Share Payment** Landowner Contribution Participants Completion Certification Date

$ - $0.00

SWCD CERTIFICATION

The Directors of the 0 County SWCD, certify that the receipts and costs incurred are correct and that all items listed were necessary and authorized.

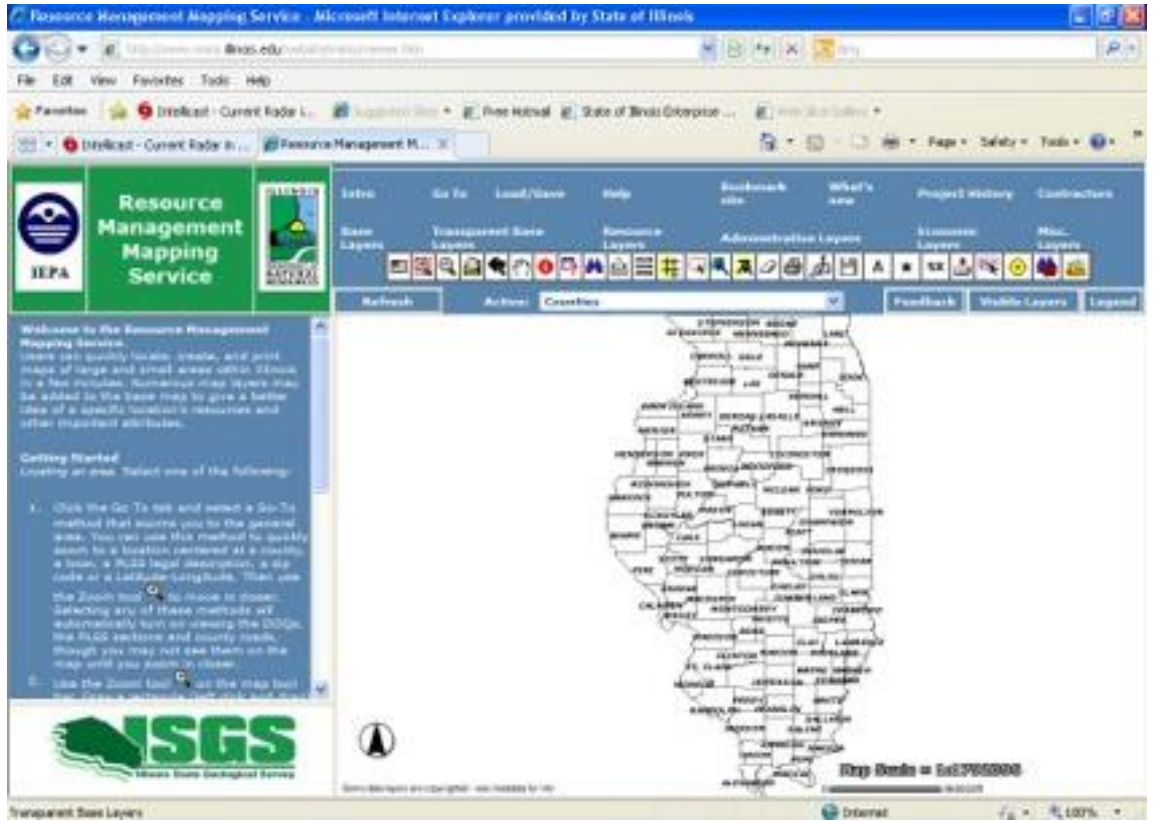
TECHNICAL CERTIFICATION

I hereby certify that the claimant did apply all agreed upon projects and they are installed properly and adequately according to technical specifications required.

SWCD Board Chairman/Designee (Date)

Technician's Signature/Title (Date)

PFC 1



Latitude / Longitude

HUC 12 Watershed

- http: //www.rmms.Illinois.edu

Click “Go to” in top header

- Select “County”
- Select County from drop down tab
- Click “OK”

Click “Vector Layers” in top header

- Select “Resource Layer”
- Select “Watersheds”
- Select “12 Digit HUC”

Zoom to location

- Record 12 digit HUC
- Record Latitude / Longitude

Bill of Materials

Terrace - Broadbase	600’
Riser 6”	4
Tile 6”	120’
Tile 8”	240’
Tile 10”	400’

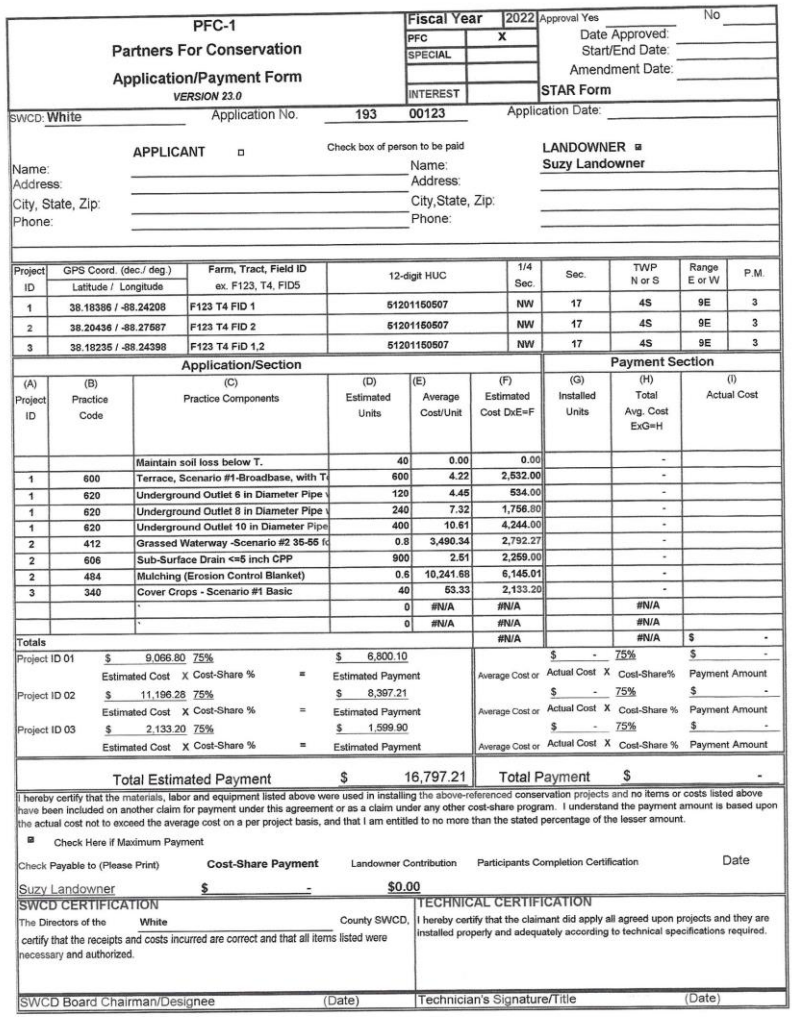
Grassed waterway	
40’ x 1.2’ x 900’	0.8 ac
4” tile	900’
Erosion Control Blanket	0.6 ac
Critical area seeding	0.8 ac

PFC 1

- Populate the PFC 1 based on the project designs.
- This project includes both a terrace and a grassed waterway.
- Refer to the corresponding scenarios to determine the practice components.

PFC 1

- IDs 1-3
- All components for specific practice included with the ID number.
- Estimated total cost is greater than $10,000, so requires preapproval. Submit construction plans, PFC 1-1B, and Wetland Site Screening Form to your Regional Representative.



PFC-1

Partners For Conservation

Application/Payment Form

VERSION 23.0

Fiscal Year 2022

PFC X

SPECIAL

INTEREST

Approval Yes ____ No ____

Date Approved:

Start/End Date:

Amendment Date:

STAR Form

SWCD: White Application No. 193 00123 Application Date:

APPLICANT ☐ Check box of person to be paid

Name:
Address:
City, State, Zip:
Phone:

Name:
Address:
City,State, Zip:
Phone:

LANDOWNER ☒
Suzy Landowner

Project ID	GPS Coord. (dec./ deg.) Latitude / Longitude	Farm, Tract, Field ID ex. F123, T4, FID5	12-digit HUC	1/4 Sec.	Sec.	TWP N or S	Range E or W	P.M.
1	38.18386 / -88.24208	F123 T4 FID 1	51201150507	NW	17	4S	9E	3
2	38.20436 / -88.27587	F123 T4 FID 2	51201150507	NW	17	4S	9E	3
3	38.18235 / -88.24398	F123 T4 FiD 1,2	51201150507	NW	17	4S	9E	3

Application/Section | **Payment Section**

(A) Project ID	(B) Practice Code	(C) Practice Components	(D) Estimated Units	(E) Average Cost/Unit	(F) Estimated Cost DxE=F	(G) Installed Units	(H) Total Avg. Cost ExG=H	(I) Actual Cost
		Maintain soil loss below T.	40	0.00	0.00		-	
1	600	Terrace, Scenario #1-Broadbase, with T	600	4.22	2,532.00		-	
1	620	Underground Outlet 6 in Diameter Pipe	120	4.45	534.00		-	
1	620	Underground Outlet 8 in Diameter Pipe	240	7.32	1,756.80		-	
1	620	Underground Outlet 10 in Diameter Pipe	400	10.61	4,244.00		-	
2	412	Grassed Waterway -Scenario #2 35-55 fo	0.8	3,490.34	2,792.27		-	
2	606	Sub-Surface Drain <=5 inch CPP	900	2.51	2,259.00		-	
2	484	Mulching (Erosion Control Blanket)	0.6	10,241.68	6,145.01		-	
3	340	Cover Crops - Scenario #1 Basic	40	53.33	2,133.20		-	
		`	0	#N/A	#N/A		#N/A	
		`	0	#N/A	#N/A		#N/A	
Totals					#N/A		#N/A	$ -

Project ID 01 $ 9,066.80 Estimated Cost X 75% Cost-Share % = $ 6,800.10 Estimated Payment

Project ID 02 $ 11,196.28 Estimated Cost X 75% Cost-Share % = $ 8,397.21 Estimated Payment

Project ID 03 $ 2,133.20 Estimated Cost X 75% Cost-Share % = $ 1,599.90 Estimated Payment

Average Cost or $ - Actual Cost X 75% Cost-Share% = $ - Payment Amount

Average Cost or $ - Actual Cost X 75% Cost-Share % = $ - Payment Amount

Average Cost or $ - Actual Cost X 75% Cost-Share % = $ - Payment Amount

Total Estimated Payment $ 16,797.21

Total Payment $ -

I hereby certify that the materials, labor and equipment listed above were used in installing the above-referenced conservation projects and no items or costs listed above have been included on another claim for payment under this agreement or as a claim under any other cost-share program. I understand the payment amount is based upon the actual cost not to exceed the average cost on a per project basis, and that I am entitled to no more than the stated percentage of the lesser amount.

☒ Check Here if Maximum Payment

Check Payable to (Please Print)	Cost-Share Payment	Landowner Contribution	Participants Completion Certification	Date
Suzy Landowner	$ -	$0.00		

SWCD CERTIFICATION

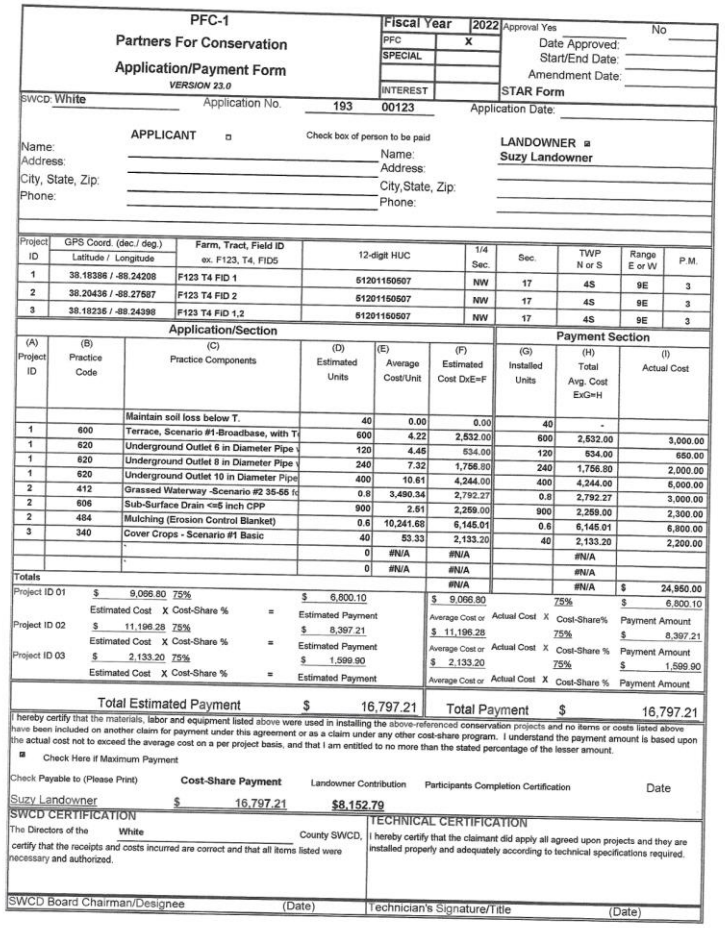
The Directors of the White County SWCD, certify that the receipts and costs incurred are correct and that all items listed were necessary and authorized.

SWCD Board Chairman/Designee (Date)

TECHNICAL CERTIFICATION

I hereby certify that the claimant did apply all agreed upon projects and they are installed properly and adequately according to technical specifications required.

Technician's Signature/Title (Date)



PFC-1

Partners For Conservation

Application/Payment Form

VERSION 23.0

Fiscal Year 2022

PFC X

SPECIAL

INTEREST

Approval Yes No

Date Approved:

Start/End Date:

Amendment Date:

STAR Form

SWCD: White Application No. 193 00123 Application Date:

APPLICANT ☐ Check box of person to be paid

Name:
Address:
City, State, Zip:
Phone:

LANDOWNER ☒

Name: Suzy Landowner
Address:
City,State, Zip:
Phone:

Project ID	GPS Coord. (dec./ deg.) Latitude / Longitude	Farm, Tract, Field ID ex. F123, T4, FID5	12-digit HUC	1/4 Sec.	Sec.	TWP N or S	Range E or W	P.M.
1	38.18386 / -88.24208	F123 T4 FID 1	51201150507	NW	17	4S	9E	3
2	38.20436 / -88.27587	F123 T4 FID 2	51201150507	NW	17	4S	9E	3
3	38.18235 / -88.24398	F123 T4 FID 1,2	51201150507	NW	17	4S	9E	3

Application/Section | Payment Section

(A) Project ID	(B) Practice Code	(C) Practice Components	(D) Estimated Units	(E) Average Cost/Unit	(F) Estimated Cost DxE=F	(G) Installed Units	(H) Total Avg. Cost ExG=H	(I) Actual Cost
		Maintain soil loss below T.	40	0.00	0.00	40	-	
1	600	Terrace, Scenario #1-Broadbase, with T	600	4.22	2,532.00	600	2,532.00	3,000.00
1	620	Underground Outlet 6 in Diameter Pipe	120	4.45	534.00	120	534.00	650.00
1	620	Underground Outlet 8 in Diameter Pipe	240	7.32	1,756.80	240	1,756.80	2,000.00
1	620	Underground Outlet 10 in Diameter Pipe	400	10.61	4,244.00	400	4,244.00	6,000.00
2	412	Grassed Waterway -Scenario #2 35-55 fc	0.8	3,490.34	2,792.27	0.8	2,792.27	3,000.00
2	606	Sub-Surface Drain <=6 inch CPP	900	2.51	2,259.00	900	2,259.00	2,300.00
2	484	Mulching (Erosion Control Blanket)	0.6	10,241.68	6,145.01	0.6	6,145.01	6,800.00
3	340	Cover Crops - Scenario #1 Basic	40	53.33	2,133.20	40	2,133.20	2,200.00
		-	0	#N/A	#N/A		#N/A	
		-	0	#N/A	#N/A		#N/A	
Totals					#N/A		#N/A	$ 24,950.00

Project ID 01 $ 9,066.80 75% Estimated Cost X Cost-Share % = $ 6,800.10 Estimated Payment

Project ID 02 $ 11,196.28 75% Estimated Cost X Cost-Share % = $ 8,397.21 Estimated Payment

Project ID 03 $ 2,133.20 75% Estimated Cost X Cost-Share % = $ 1,599.90 Estimated Payment

$ 9,066.80 Average Cost or Actual Cost X 75% Cost-Share% $ 6,800.10 Payment Amount

$ 11,196.28 Average Cost or Actual Cost X 75% Cost-Share % $ 8,397.21 Payment Amount

$ 2,133.20 Average Cost or Actual Cost X 75% Cost-Share % $ 1,599.90 Payment Amount

Total Estimated Payment $ 16,797.21

Total Payment $ 16,797.21

I hereby certify that the materials, labor and equipment listed above were used in installing the above-referenced conservation projects and no items or costs listed above have been included on another claim for payment under this agreement or as a claim under any other cost-share program. I understand the payment amount is based upon the actual cost not to exceed the average cost on a per project basis, and that I am entitled to no more than the stated percentage of the lesser amount.

☒ Check Here if Maximum Payment

Check Payable to (Please Print)	Cost-Share Payment	Landowner Contribution	Participants Completion Certification	Date
Suzy Landowner	$ 16,797.21	$8,152.79		

SWCD CERTIFICATION

The Directors of the White County SWCD, certify that the receipts and costs incurred are correct and that all items listed were necessary and authorized.

SWCD Board Chairman/Designee (Date)

TECHNICAL CERTIFICATION

I hereby certify that the claimant did apply all agreed upon projects and they are installed properly and adequately according to technical specifications required.

Technician's Signature/Title (Date)

PFC 1

- Landowner invoices have been added to the PFC 1
- The form uses the lesser of the average or the actual costs
- Next, complete the 1B

PFC (ESC) 1B

Information needed:

Soil Series

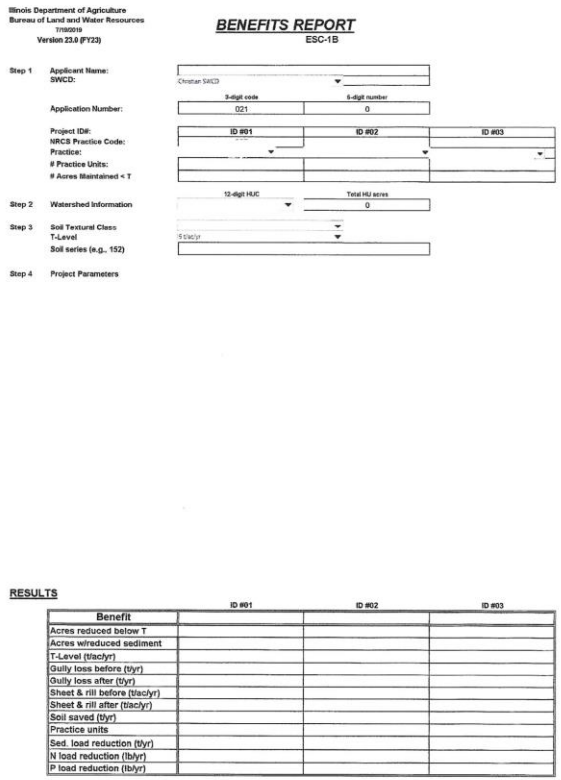
T level

Gully Dimensions

- Width
- Depth
- Length
- Number of years

RUSLE Factors

- R
- K
- LS
- C
- P



Illinois Department of Agriculture
Bureau of Land and Water Resources
7/19/2019
Version 23.0 (FY23)

BENEFITS REPORT
ESC-1B

Step 1 Applicant Name:
SWCD: Christian SWCD

3-digit code: 021
6-digit number: 0

Application Number:

Project ID#:
NRCS Practice Code:
Practice:
Practice Units:
Acres Maintained < T

ID #01	ID #02	ID #03

Step 2 Watershed Information
12-digit HUC:
Total HU acres: 0

Step 3 Soil Textural Class
T-Level: 5 t/ac/yr
Soil series (e.g., 152):

Step 4 Project Parameters

RESULTS

Benefit	ID #01	ID #02	ID #03
Acres reduced below T			
Acres w/reduced sediment			
T-Level (t/ac/yr)			
Gully loss before (t/yr)			
Gully loss after (t/yr)			
Sheet & rill before (t/ac/yr)			
Sheet & rill after (t/ac/yr)			
Soil saved (t/yr)			
Practice units			
Sed. load reduction (t/yr)			
N load reduction (lb/yr)			
P load reduction (lb/yr)			

12/4/2023

Soil Series

Use the planning soil for the calculations

Use 512B as planning soil

Acres Benefited are acres of field draining to practice

(Acres maintained to T)

R Factor

- Rainfall Factor
- Unique to each county

K Factor

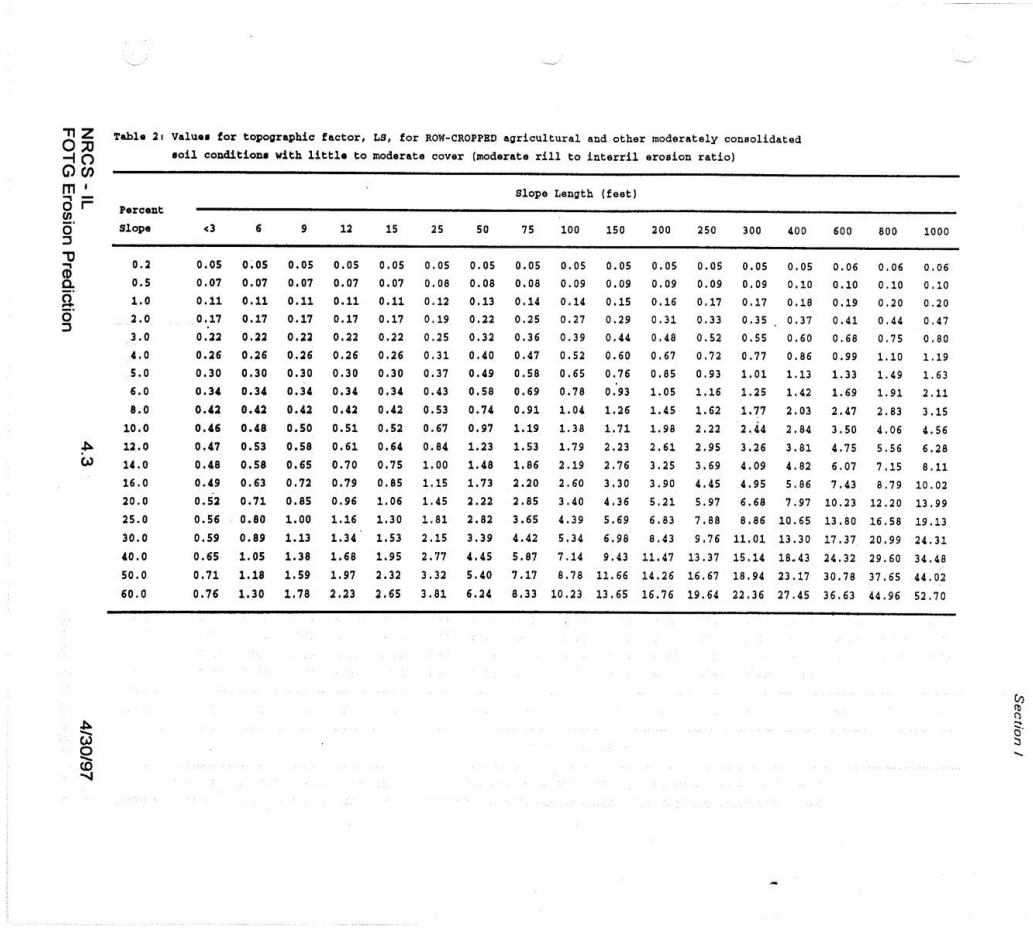
Soil Erodibility

K Factors are unique to soil types; can be found in the soil survey

Generally range from

.15 - .43

Suggestion: Use your county's frozen soil list for quick reference of the factors



NRCS - IL
FOTG Erosion Prediction
4.3
4/30/97

Table 2: Values for topographic factor, LS, for ROW-CROPPED agricultural and other moderately consolidated soil conditions with little to moderate cover (moderate rill to interril erosion ratio)

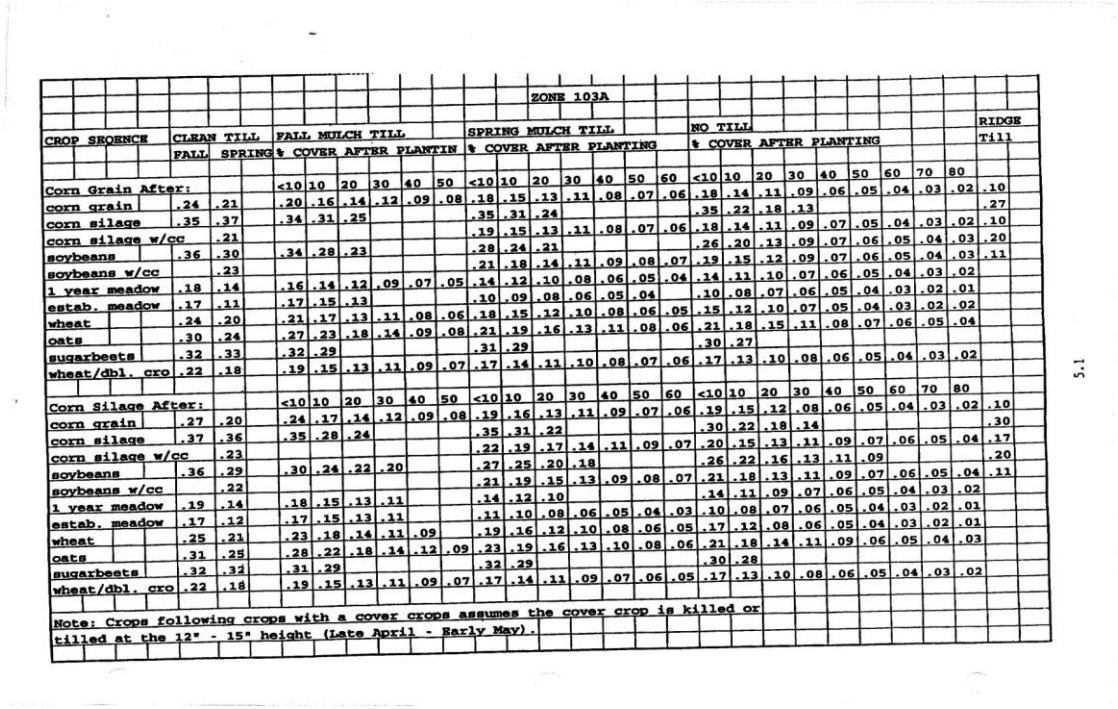
Percent Slope	Slope Length (feet)																
	<3	6	9	12	15	25	50	75	100	150	200	250	300	400	600	800	1000
0.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
0.5	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10
1.0	0.11	0.11	0.11	0.11	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.20
2.0	0.17	0.17	0.17	0.17	0.17	0.19	0.22	0.25	0.27	0.29	0.31	0.33	0.35	0.37	0.41	0.44	0.47
3.0	0.22	0.22	0.22	0.22	0.22	0.25	0.32	0.36	0.39	0.44	0.48	0.52	0.55	0.60	0.68	0.75	0.80
4.0	0.26	0.26	0.26	0.26	0.26	0.31	0.40	0.47	0.52	0.60	0.67	0.72	0.77	0.86	0.99	1.10	1.19
5.0	0.30	0.30	0.30	0.30	0.30	0.37	0.49	0.58	0.65	0.76	0.85	0.93	1.01	1.13	1.33	1.49	1.63
6.0	0.34	0.34	0.34	0.34	0.34	0.43	0.58	0.69	0.78	0.93	1.05	1.16	1.25	1.42	1.69	1.91	2.11
8.0	0.42	0.42	0.42	0.42	0.42	0.53	0.74	0.91	1.04	1.26	1.45	1.62	1.77	2.03	2.47	2.83	3.15
10.0	0.46	0.48	0.50	0.51	0.52	0.67	0.97	1.19	1.38	1.71	1.98	2.22	2.44	2.84	3.50	4.06	4.56
12.0	0.47	0.53	0.58	0.61	0.64	0.84	1.23	1.53	1.79	2.23	2.61	2.95	3.26	3.81	4.75	5.56	6.28
14.0	0.48	0.58	0.65	0.70	0.75	1.00	1.48	1.86	2.19	2.76	3.25	3.69	4.09	4.82	6.07	7.15	8.11
16.0	0.49	0.63	0.72	0.79	0.85	1.15	1.73	2.20	2.60	3.30	3.90	4.45	4.95	5.86	7.43	8.79	10.02
20.0	0.52	0.71	0.85	0.96	1.06	1.45	2.22	2.85	3.40	4.36	5.21	5.97	6.68	7.97	10.23	12.20	13.99
25.0	0.56	0.80	1.00	1.16	1.30	1.81	2.82	3.65	4.39	5.69	6.83	7.88	8.86	10.65	13.80	16.58	19.13
30.0	0.59	0.89	1.13	1.34	1.53	2.15	3.39	4.42	5.34	6.98	8.43	9.76	11.01	13.30	17.37	20.99	24.31
40.0	0.65	1.05	1.38	1.68	1.95	2.77	4.45	5.87	7.14	9.43	11.47	13.37	15.14	18.43	24.32	29.60	34.48
50.0	0.71	1.18	1.59	1.97	2.32	3.32	5.40	7.17	8.78	11.66	14.26	16.67	18.94	23.17	30.78	37.65	44.02
60.0	0.76	1.30	1.78	2.23	2.65	3.81	6.24	8.33	10.23	13.65	16.76	19.64	22.36	27.45	36.63	44.96	52.70

Section I

LS Factor

- Slope % and slope length necessary to determine LS factor

C Factor



ZONE 103A

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL						SPRING MULCH TILL							NO TILL									RIDGE
	FALL	SPRING	% COVER AFTER PLANTIN						% COVER AFTER PLANTING							% COVER AFTER PLANTING									Till
Corn Grain After:			<10	10	20	30	40	50	<10	10	20	30	40	50	60	<10	10	20	30	40	50	60	70	80	
corn grain	.24	.21	.20	.16	.14	.12	.09	.08	.18	.15	.13	.11	.08	.07	.06	.18	.14	.11	.09	.06	.05	.04	.03	.02	.10
corn silage	.35	.37	.34	.31	.25				.35	.31	.24					.35	.22	.18	.13						.27
corn silage w/cc		.21							.19	.15	.13	.11	.08	.07	.06	.18	.14	.11	.09	.07	.05	.04	.03	.02	.10
soybeans	.36	.30	.34	.28	.23				.28	.24	.21					.26	.20	.13	.09	.07	.06	.05	.04	.03	.20
soybeans w/cc		.23							.21	.18	.14	.11	.09	.08	.07	.19	.15	.12	.09	.07	.06	.05	.04	.03	.11
1 year meadow	.18	.14	.16	.14	.12	.09	.07	.05	.14	.12	.10	.08	.06	.05	.04	.14	.11	.10	.07	.06	.05	.04	.03	.02	
estab. meadow	.17	.11	.17	.15	.13				.10	.09	.08	.06	.05	.04		.10	.08	.07	.06	.05	.04	.03	.02	.01	
wheat	.24	.20	.21	.17	.13	.11	.08	.06	.18	.15	.12	.10	.08	.06	.05	.15	.12	.10	.07	.05	.04	.03	.02	.02	
oats	.30	.24	.27	.23	.18	.14	.09	.08	.21	.19	.16	.13	.11	.08	.06	.21	.18	.15	.11	.08	.07	.06	.05	.04	
sugarbeets	.32	.33	.32	.29					.31	.29						.30	.27								
wheat/dbl. cro	.22	.18	.19	.15	.13	.11	.09	.07	.17	.14	.11	.10	.08	.07	.06	.17	.13	.10	.08	.06	.05	.04	.03	.02	
Corn Silage After:			<10	10	20	30	40	50	<10	10	20	30	40	50	60	<10	10	20	30	40	50	60	70	80	
corn grain	.27	.20	.24	.17	.14	.12	.09	.08	.19	.16	.13	.11	.09	.07	.06	.19	.15	.12	.08	.06	.05	.04	.03	.02	.10
corn silage	.37	.36	.35	.28	.24				.35	.31	.22					.30	.22	.18	.14						.30
corn silage w/cc		.23							.22	.19	.17	.14	.11	.09	.07	.20	.15	.13	.11	.09	.07	.06	.05	.04	.17
soybeans	.36	.29	.30	.24	.22	.20			.27	.25	.20	.18				.26	.22	.16	.13	.11	.09				.20
soybeans w/cc		.22							.21	.19	.15	.13	.09	.08	.07	.21	.18	.13	.11	.09	.07	.06	.05	.04	.11
1 year meadow	.19	.14	.18	.15	.13	.11			.14	.12	.10					.14	.11	.09	.07	.06	.05	.04	.03	.02	
estab. meadow	.17	.12	.17	.15	.13	.11			.11	.10	.08	.06	.05	.04	.03	.10	.08	.07	.06	.05	.04	.03	.02	.01	
wheat	.25	.21	.23	.18	.14	.11	.09		.19	.16	.12	.10	.08	.06	.05	.17	.12	.08	.06	.05	.04	.03	.02	.01	
oats	.31	.25	.28	.22	.18	.14	.12	.09	.23	.19	.16	.13	.10	.08	.06	.21	.18	.14	.11	.09	.06	.05	.04	.03	
sugarbeets	.32	.32	.31	.29					.32	.29						.30	.28								
wheat/dbl. cro	.22	.18	.19	.15	.13	.11	.09	.07	.17	.14	.11	.09	.07	.06	.05	.17	.13	.10	.08	.06	.05	.04	.03	.02	

Note: Crops following crops with a cover crops assumes the cover crop is killed or tilled at the 12" - 15" height (Late April - Early May).

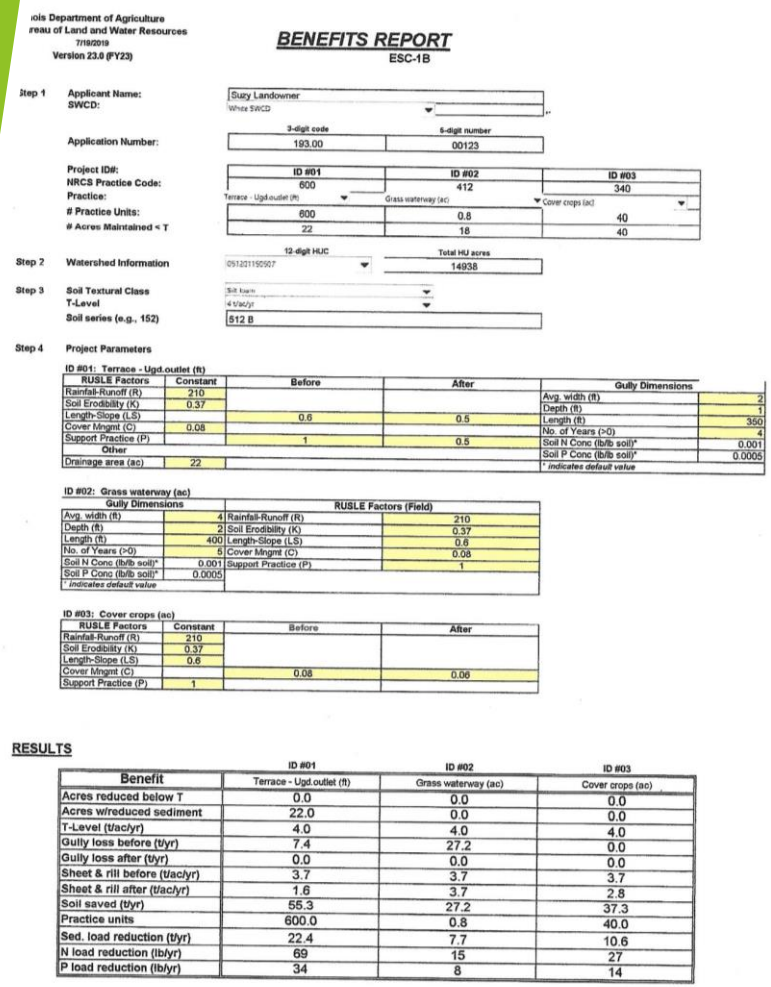
5.1

- Cropping / management factor
- Can use an old chart like this one from the tech guide or can calculate using the newer RUSLE program

P Factor

- Use a P factor of 1 unless farmed on the contour or terraced
- Terraced or contoured field have a P factor of .5 - .8

1B Example



ois Department of Agriculture
reau of Land and Water Resources
7/19/2019
Version 23.0 (FY23)

BENEFITS REPORT
ESC-1B

Step 1 Applicant Name: Suzy Landowner
SWCD: White SWCD

	3-digit code	5-digit number
Application Number:	193.00	00123

Project ID#:	ID #01	ID #02	ID #03
NRCS Practice Code:	600	412	340
Practice:	Terrace - Ugd.outlet (ft)	Grass waterway (ac)	Cover crops (ac)
# Practice Units:	600	0.8	40
# Acres Maintained < T	22	18	40

Step 2 Watershed Information — 12-digit HUC: 051203115907 — Total HU acres: 14938

Step 3 Soil Textural Class: Silt loam
T-Level: 4 t/ac/yr
Soil series (e.g., 152): 512 B

Step 4 Project Parameters

ID #01: Terrace - Ugd.outlet (ft)

RUSLE Factors	Constant	Before	After	Gully Dimensions	
Rainfall-Runoff (R)	210			Avg. width (ft)	2
Soil Erodibility (K)	0.37			Depth (ft)	1
Length-Slope (LS)		0.6	0.5	Length (ft)	350
Cover Mngmt (C)	0.08			No. of Years (>0)	4
Support Practice (P)		1	0.5	Soil N Conc (lb/lb soil)*	0.001
Other				Soil P Conc (lb/lb soil)*	0.0005
Drainage area (ac)	22			* indicates default value	

ID #02: Grass waterway (ac)

Gully Dimensions		RUSLE Factors (Field)	
Avg. width (ft)	4	Rainfall-Runoff (R)	210
Depth (ft)	2	Soil Erodibility (K)	0.37
Length (ft)	400	Length-Slope (LS)	0.6
No. of Years (>0)	5	Cover Mngmt (C)	0.08
Soil N Conc (lb/lb soil)*	0.001	Support Practice (P)	1
Soil P Conc (lb/lb soil)*	0.0005		
* indicates default value			

ID #03: Cover crops (ac)

RUSLE Factors	Constant	Before	After
Rainfall-Runoff (R)	210		
Soil Erodibility (K)	0.37		
Length-Slope (LS)	0.6		
Cover Mngmt (C)		0.08	0.08
Support Practice (P)	1		

RESULTS

Benefit	ID #01 Terrace - Ugd.outlet (ft)	ID #02 Grass waterway (ac)	ID #03 Cover crops (ac)
Acres reduced below T	0.0	0.0	0.0
Acres w/reduced sediment	22.0	0.0	0.0
T-Level (t/ac/yr)	4.0	4.0	4.0
Gully loss before (t/yr)	7.4	27.2	0.0
Gully loss after (t/yr)	0.0	0.0	0.0
Sheet & rill before (t/ac/yr)	3.7	3.7	3.7
Sheet & rill after (t/ac/yr)	1.6	3.7	2.8
Soil saved (t/yr)	55.3	27.2	37.3
Practice units	600.0	0.8	40.0
Sed. load reduction (t/yr)	22.4	7.7	10.6
N load reduction (lb/yr)	69	15	27
P load reduction (lb/yr)	34	8	14

- Includes the practice IDs from the PFC 1
- Insert gully dimensions for terraces and waterway
- Complete all RUSLE factors
- Results show total tons of soil saved
- Check that “Sheet and Rill after” is less than T

PFC 1+1B

- Example includes a Cover Crop
- When submitting claim for payment:
  - PFC 1 1B
  - STAR forms
  - Job Sheet
  - CPA 52 signed by DC
  - Farm Data Report
  - CCC 902
  - Subsidiary Report

- Questions?