



Conservation outcome

PASS

Predicted annual soil loss is at or below the soil-loss tolerance.

A = 0.39 ton/acre/year T = 3.43 ton/acre/year Difference = 3.04 ton/acre/year

Model results

R	K	LS	C	P	A	T
129	0.2570	1.4580	0.0178	1.0000	0.39	3.43
Rainfall erosivity	Soil erodibility	Slope factor	Cover-management	Support practice	ton/ac/year	ton/ac/year

Ending soil condition

Plant-available soil moisture 4.5% of root-zone available-water capacity

Available root-zone water 0.14 in of 3.16 in capacity

Soil Conditioning Index (SCI) 0.641 (improving)

SCI subfactors (OM / FO / ER) 0.288 / 0.873 / 0.882

Project and location

Project title TerrainLogic representative field analysis

Location 42037, Not available | County GEOID 42037 | CMZ None

Run information Created August 08, 2026 at 11:50 UTC | Run ID: 2026-08-07-20-41-30

Field boundary Selected field boundary | Centroid: Not available, Not available

Data provenance and methods

Terrain Slope: 4.73%, automatically calculated from the selected field DEM; no user override. Length: 288 ft, automatically calculated from the selected field DEM; no user override. Original DEM values: Not available% and Not available ft. USGS 3DEP via The National Map Access API; retrieved/processed Not recorded.

Soils and T USDA NRCS SSURGO through Soil Data Access; aggregate selection. Retrieved Not recorded. Map units: not listed.

Climate and R Westmoreland County. Climate source: climates\>USA\>Pennsylvania. Daily R source: not recorded.

Management managements\>CMZ 65\>a. Single Year/ Single Crop Templates\>CRP applications\>cool season grass | crp coolgrass ss 10yr; fp, z65

Review and digital signature

The signer acknowledges review of the inputs, provenance, assumptions, and reported conservation outcome.

ADOBE DIGITAL SIGNATURE FIELD	Signer name / date
Click here in Adobe Acrobat to apply a certificate-based digital signature.	

Planning estimate. Supporting manifest, result, daily, and graph files are retained in the associated project case folder.