TerrainLogic Gully Hotspot Screening Report

Convergent South Field

Terrain-derived concentrated-flow screening

This report identifies locations to inspect in the field. Corridors are terrain screening results, not confirmed gullies, and they do not alter the RUSLE2 sheet-and-rill soil-loss estimate.

Field/county	Washington County, New York
Potential corridors	1
DEM source	Synthetic 5 m field-scale validation DEM with off-field buffer
Analysis resolution	5.00 m
Effect on soil-loss result	None - separate concentrated-flow screening

Corridors

ID	Severity	Terrain score	Total upstream area (ac)	In-field area (ac)	Corridor slope (%)	DEM edge truncated
1	Moderate	66.3	9.14	5.87	9.1	No

Numbered field map

Field review priorities

Inspect corridor outlets first, then headcuts, bare soil, bank instability, and places where off-field runoff enters. Confirm drainage area and active erosion before selecting or sizing a practice.

Limitations

Results depend on DEM resolution and drainage coverage. Roads, culverts, subsurface drainage, recent earthwork, and field-observed flow paths can supersede the terrain screen.