



# Soil Erosion Control Checklist - Farm Management

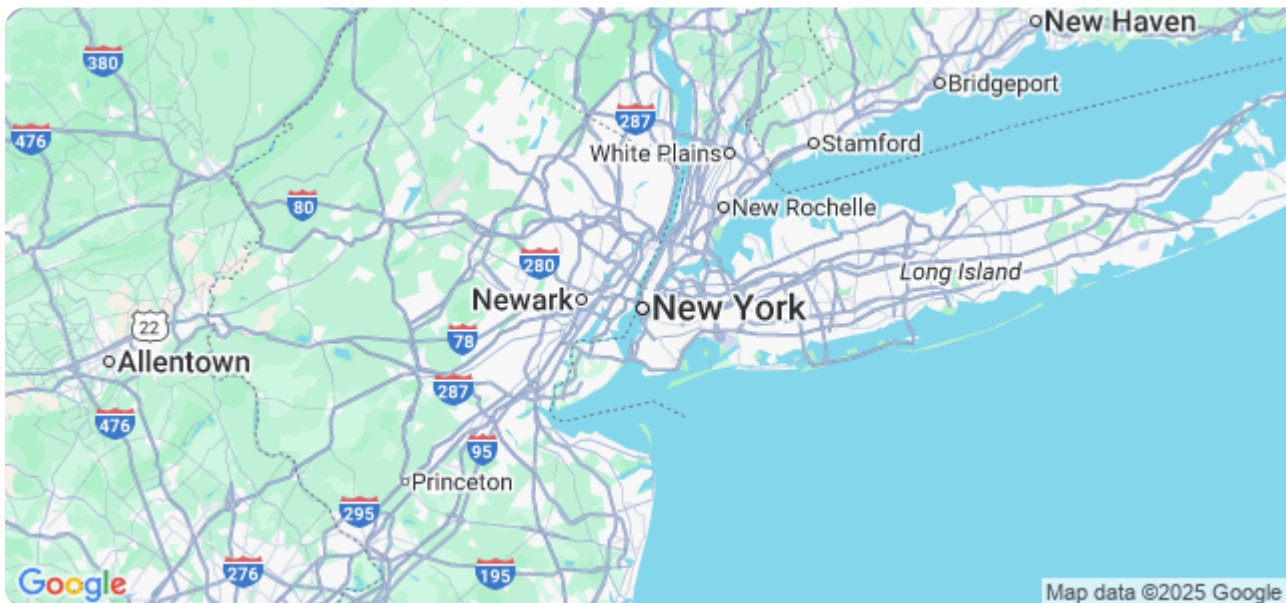
## Assessment & Planning

Initial site assessment and development of erosion control strategies.

### Assessment Date

### GPS Coordinates of Assessment Area

 [Set My Current Location](#)



### Initial Site Observations (describe existing erosion patterns)

Write something...

### Dominant Soil Type

- ☐ Sandy
- ☐ Clay
- ☐ Loamy
- ☐ Silty


### Slope Gradient (%)

Enter a number...

### Potential Erosion Risk Factors (e.g., water flow, wind exposure)

Write something...

### Site Map/Diagram

 Upload File

## Contour Farming & Terracing

Verification of contour planting and effectiveness of terracing structures.

### **Terrace Height (meters)**

Enter a number...

### **Contour Interval (meters)**

Enter a number...

### **Terrace Condition**

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

### **Observed Erosion Signs (if any)**

Write something...

### **Vegetation on Terraces**

- ☐ Grasses
- ☐ Legumes
- ☐ Cover Crops
- ☐ None

### **Last Terrace Maintenance Date**

Enter date...

## **Cover Cropping & Mulching**

Confirmation of cover crop implementation and mulch application.

### Cover Crop Seeding Date

Enter date...

### Cover Crop Species

- ☐ Rye
- ☐ Oats
- ☐ Buckwheat
- ☐ Hairy Vetch
- ☐ Crimson Clover

### Seeding Rate (lbs/acre)

Enter a number...

### Notes on Cover Crop Establishment

Write something...

### Mulch Type Applied

- ☐ Straw
- ☐ Wood Chips
- ☐ Hay
- ☐ Compost
- ☐ None

### Mulch Application Rate (inches)

Enter a number...

### Observed Cover Crop Health Issues (e.g., pests, disease)

Write something...

## No-Till & Reduced Tillage

Assessment of tillage practices and their impact on soil erosion.

### Residue Coverage (%)

Enter a number...

### Tillage Frequency (times/year)

Enter a number...

### Primary Tillage Method

- ☐ Conventional Tillage
- ☐ Reduced Tillage
- ☐ No-Till

### Last Tillage Date

Enter date...

### Observations on Soil Structure

Write something...

### Cover Crop Used (if applicable)

- ☐ None
- ☐ Rye
- ☐ Oats
- ☐ Other

## Windbreaks & Shelterbelts

Inspection of windbreak effectiveness and maintenance requirements.

### Windbreak Height (feet)

Enter a number...

### Average Tree Spacing (feet)

Enter a number...

### Tree Species Mix

- ☐ Monoculture
- ☐ Mixed Species

### Last Pruning/Thinning Date

Enter date...

### Observations (e.g., signs of disease, insect infestation)

Write something...

### Windbreak Condition

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

### Photos of Windbreak

 Upload File

## Streambank Protection

Evaluation of streambank stabilization measures.

### Bank Height (meters)

Enter a number...

### Bank Slope (degrees)

Enter a number...

### Protection Type

- ☐ Riprap
- ☐ Vegetation
- ☐ Bioengineering
- ☐ Other

### Description of Protection Measures

Write something...

### Installation/Last Repair Date

Enter date...

### Observed Erosion or Damage

Write something...

### Photographic Evidence

 Upload File

### Condition Assessment

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor



# Gully Control Structures

Inspection of sediment traps, check dams, and other gully stabilization efforts.

## Sediment Trap Volume (Cubic Meters)

## Last Sediment Removal Date

## Check Dam Height (Meters)

## Check Dam Material

- ☐ Rocks
- ☐ Logs
- ☐ Gabions
- ☐ Concrete

## Observations and Notes on Structure Condition

## Riprap Stone Size (Largest Diameter, CM)

### Erosion Observed Downstream?

- ☐ Yes
- ☐ No
- ☐ Uncertain

## Drainage Management

Review of drainage systems to prevent concentrated runoff and erosion.

### Drainage System Type

- ☐ Surface Drainage
- ☐ Subsurface Drainage
- ☐ Combination

### Peak Runoff Flow Rate (m<sup>3</sup>/s)

Enter a number...

### Last Drainage System Inspection Date

Enter date...

### Observed Drainage Issues (e.g., blockages, erosion)

Write something...

### Channel Condition

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

### Photos of Drainage System

 Upload File

### Sediment Accumulation Depth (cm)

Enter a number...

## Soil Testing & Amendments

Verification of soil health and implementation of necessary amendments to improve stability.

### Date of Soil Test

Enter date...

### Soil pH Level

Enter a number...

### Organic Matter Percentage

Enter a number...

### Nitrogen (N) Level (ppm)

Enter a number...

### Phosphorus (P) Level (ppm)

Enter a number...

### Potassium (K) Level (ppm)

Enter a number...

### Soil Texture

- ☐ Sandy
- ☐ Loamy
- ☐ Clayey
- ☐ Silty

### Soil Test Lab Recommendations

Write something...

## Maintenance & Monitoring

Schedule and records of ongoing maintenance and performance monitoring of erosion control measures.

**Last Inspection Date**

Enter date...

**Rainfall Amount (mm) since last inspection**

Enter a number...

**Observations & Notes**

Write something...

**Erosion Severity**

- ☐ None
- ☐ Minor
- ☐ Moderate
- ☐ Severe

**Next Scheduled Inspection Date**

Enter date...

**Photos/Documentation**

 Upload File

**Estimated Cost of Repairs (if needed)**

Enter a number...