

SOLAR LANDSCAPE ASSESSMENT METHOD

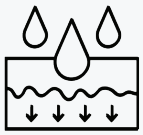
A Comprehensive Ecological Monitoring Protocol for Solar Facilities

THE SIX METRICS



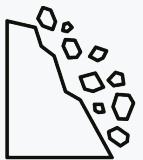
1. SOIL HEALTH

Organic matter, compaction, soil health scores



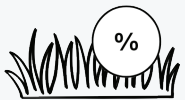
2. WATER INFILTRATION

Infiltration rates by soil type and texture



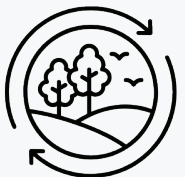
3. EROSION

Visual assessment of erosion indicators



4. GROUND COVER

Vegetative cover percentage and type



5. FLORA

Plant diversity, bloom periods, invasive species



6. FAUNA

Wildlife habitat and activity evidence

WHY YOUR SOLAR SITES NEED STANDARDIZED ECOLOGICAL MONITORING

Solar facilities occupy significant land areas, yet the industry lacks standardized methods to evaluate ecological performance. Without consistent monitoring, site owners cannot demonstrate environmental stewardship, identify emerging issues before they become costly problems, or provide credible data for site performance reporting and regulatory compliance. The SLAM protocol fills this critical gap.

WHAT IS THE SLAM?

The Solar Landscape Assessment Method is a comprehensive ecological monitoring protocol that evaluates and quantifies ecological conditions at solar facilities. Developed using industry best practices and guidance from USDA, NRCS, and the Bureau of Land Management, the SLAM provides a rigorous, science-based framework for assessing site health through six key metrics.

KEY BENEFITS FOR SOLAR OWNERS & DEVELOPERS

- ✔ **Quantifiable Site Scoring** – Numeric benchmarks provide clear performance indicators
- ✔ **Early Problem Detection** – Identify issues before they become costly through adaptive management triggers
- ✔ **Soil Health Tracking** – Soil Health Assessment sampling provides documentation on soil health trends
- ✔ **Reporting Support** – Science-based data for environmental reporting and compliance
- ✔ **Consistent Methodology** – Repeatable procedures ensure data comparability across sites and years
- ✔ **Solid Foundation** – Built on USDA-NRCS, BLM, and USFS guidance for credibility

HOW IT WORKS



BASELINE ASSESSMENT

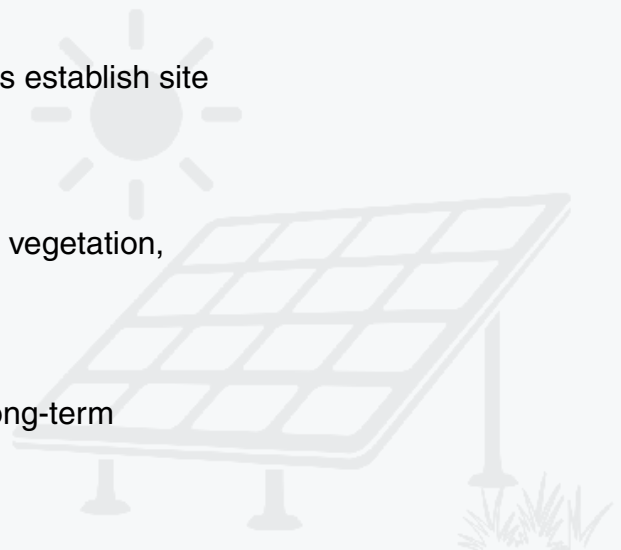
Full SLAM protocol permanent monitoring plots establish site baseline score

ANNUAL MONITORING

Rapid Visual Monitoring (RVM) tracks erosion, vegetation, and fauna between full assessments

5-YEAR REASSESSMENT

Full protocol repeated every 5 years to track long-term ecological trends



**READY TO IMPLEMENT
SLAM AT YOUR
SOLAR FACILITIES?**



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