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Project: _____
Site: _____
Investigator: _____
Date: _____

Site Assessment Criteria for the Ecological Restoration of Severely Disturbed Sites ©

Site Description:

Location: _____

Aspect: _____ Elevation: _____ Slope: _____ Climate: _____

Setting/ Landscape Characteristics: (wildland, agriculture, urban etc.) _____

Geomorphic Feature: (natural or manmade) _____

Native Plant Community: Species: _____

_____ Structure: _____

Current Plant Community: Species: _____

_____ Structure: _____

Fire Regime Historic _____

Current _____

Ecologic Trends: _____

Cause of Disturbance: _____

Soil Characteristics:

Parent Material: _____

Bulk Density: (disturbed) _____ (non-disturbed) _____

Surface Infiltration Rate: (disturbed) _____ (non-disturbed) _____

Percolation: (disturbed) _____ (non-disturbed) _____

Organic Matter (Decomposition vs. Accumulation): _____

Surface Sealing / Hydrophobicity _____

Aggregate Stability _____

Effective Precipitation: _____

Soil Profile Characteristics

Horz.	Depth	Color	Texture	Structure	Roots	% Frags	pH	Acid?

Factors That Limit Plant Establishment or Growth**Moving Soils:**

- Alluvial Inundation _____
- Erosion (sheet, rill, gully) _____
- Mass wasting _____

Soil Moisture

- Well Drained soils _____
- Aspect _____
- Albedo _____
- Lack of Shade _____
- Infiltration/ Compaction _____
- Steep Slope _____
- Physiological _____
- Temperature _____

Soil Oxygen:

- Poorly Drained Soils _____
- Compaction _____
- Topographic (wetlands) _____

Soil BioChemistry:

- Nutrients _____
- pH _____
- Toxins _____
- Salts _____
- Carbonates _____
- Temperature _____

Soil Biota:

- Mycorrhiza _____
- Nitrogen Fixing Bacteria _____
- Decomposing Fungi _____
- Microbes _____
- Soil Wood _____

Physical Damage:

- Trampling _____
- Motorized Trampling _____
- Herbivory _____
- Ice Scour _____
- Burying _____
- High Energy Flood _____
- Frost Jacking _____
- Fire _____

Microsites:

- Micro-topography _____
- Seedbed Characteristics _____
- Microclimate _____

Competition:

- Grass (Exotic/ Invasive) _____
- Shrub _____
- Overstory Shade _____
- Weeds _____

Propagules:

- Wind Dispersed _____
- Water Dispersed _____
- Vegetative Propagation _____
- Animal Dispersed _____

Pathogens & Pests:

- Fungal _____
- Insects _____
- Bacterial _____

Summary

Revegetation Potential: _____

Goal: _____

Objectives: _____

Plan of Action: _____

Maintenance: _____
