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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: _____

Primary Concerns: _____

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: _____
