### OJT Training Module Cover Sheet

**Title:** 130 How to describe soil crusts.

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<tr>
<th>Type:</th>
<th>☑ Skill ☐ Knowledge</th>
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**Performance Objective:** Trainee will be able to …
- Understand the effect soil crusts have on soil quality and health.
- Describe and record soil crusts using the *Field Book for Describing and Sampling Soils*.

**Target Proficiency:**
- ☑ Awareness  ☐ Understanding  ☐ Perform w/ Supervision  ☐ Apply Independently  ☑ Proficiency, can teach others

**Trainer Preparation:**
- Trainer should be familiar with the assigned reading/review material in the lesson plan that follows.
- Have field locations with pit, trench, or road cuts available.
- Have the *Field Book for Describing and Sampling Soils* available.
- Have hardcopy of the 232 soil description form or Pedon PC available.

**Special Requirements:**
Initiate an external learning request with a SF-182 in Aglearn for this activity. Instructions and a template are located on the training webpages for OJT modules.

**Prerequisite Modules:**
- 101 How to use the *Field Book for Describing and Sampling Soils*.
- 102 How to fill out a 232 soil description form.

**Notes:**
None

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**Approved by:**
Shawn McVey
The Five-Step OJT Cycle for **Procedural** Training (Skill)
OJT Module Lesson

Title: 130 How to describe soil crusts.

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<tr>
<th>WHAT</th>
<th>WHY, WHEN, WHERE, HOW, SAFETY, QUALITY</th>
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| Cycle step 1 | Trainee should access via the internet (Soils/Home/Soil Health/Resources & Publications) and read the following to become familiar with soil crusts:  
- Rangeland Soil Quality—Physical and Biological Soil Crusts  
- Soil Quality Indicators: Soil Crusts  
- Introduction to Microbiotic Crusts  
Trainee should access hardcopy or via the internet and review:  
- *Field Book for Describing and Sampling Soils* section on Soil Crusts |

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<tr>
<th>Cycle step 2</th>
<th>Do the following:</th>
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<td>1. Review what can be recorded according to the Field Book and SSM.</td>
<td>Note that kind is described. Additionally, descriptions could include rupture resistance (surface crusts and plates), porosity (kind), size, diameter, thickness, amount (cross-sectional ground coverage), and color.</td>
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<tr>
<td>2. Demonstrate how to describe and record soil crusts as found in the survey area.</td>
<td>Do this in the field.</td>
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| Cycle step 3 | Coaching the trainee, have the trainee describe and record soil crusts as appropriate in the survey area. |

| Cycle step 4 | Repeat cycle step 3 without coaching at another location. |

During project activities, assign the trainee the task of describing and recording soil crusts as soil descriptions are completed.

| Cycle step 5 | Answer any questions. Repeat any steps as necessary. |
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<td>Describe soil crusts routinely during project activities.</td>
<td>During project activities, assign this task to the trainee. Sign off on performance when target proficiency is achieved.</td>
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</table>

**SF-182**

Trainee and/or supervisor access Aglearn to verify completion of the module via its SF-182.