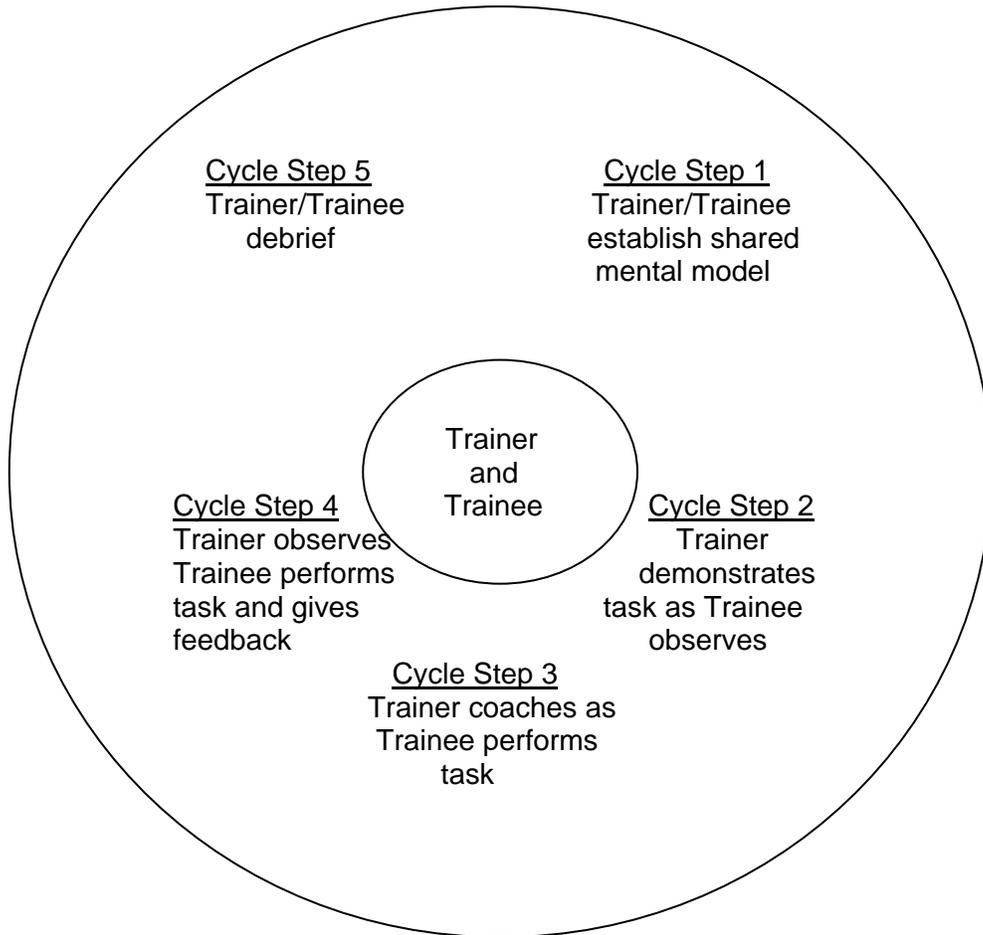


## OJT Training Module Cover Sheet

<b>Title: 604 How to take photographs for soil survey – basics.</b>
<b>Type:</b> <input checked="" type="checkbox"/> Skill <input type="checkbox"/> Knowledge
<b>Performance Objective:</b> Trainee will be able to ... <ul style="list-style-type: none"><li>• Use a digital camera to photograph landscapes, soil profiles, and plants for the purpose of documenting soil survey publication reports, research reports, technical assistance, and inventory activities.</li></ul>
<b>Target Proficiency:</b> <input type="checkbox"/> Awareness <input type="checkbox"/> Understanding <input type="checkbox"/> Perform w/ Supervision <input checked="" type="checkbox"/> Apply Independently <input type="checkbox"/> Proficiency, can teach others
<b>Trainer Preparation:</b> <ul style="list-style-type: none"><li>• Trainer should be familiar with the assigned reading/review material in the lesson plan that follows.</li><li>• Be familiar with the operation of digital cameras available to soil scientists in your soil survey area.</li><li>• Be aware of local conditions that present challenges to taking high-quality photographs (weather, lighting, etc.).</li><li>• Be aware of what to avoid in taking photographs for soil survey reports and publications. Assemble some pictures that are good examples and some that are unsuitable for publication.</li></ul>
<b>Special Requirements:</b> <ul style="list-style-type: none"><li>• 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.</li><li>• Digital camera of suitable resolution and function for photography used in soil survey manuscripts, reports, and research activities.</li></ul>
<b>Prerequisite Modules:</b> None
<b>Notes:</b> None
<b>Authors:</b> Ken Scheffe
<b>Approved by:</b> Marc Crouch

# The Five-Step OJT Cycle for Procedural Training (Skill)



## OJT Module Lesson

### Title: 604 How to take photographs for soil survey – basics.

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	<p>Trainer and trainee review objectives of this module.</p> <p>Trainer and trainee should access via the internet via the following [Soils home/Soil education/NCCS Members/Job Aids] and review the online <b>Photography</b> job aids documents on the soils web pages.</p> <ul style="list-style-type: none"> <li>• <b>Scaling Soil Profile Images</b></li> <li>• <b>Adding a Graph to a Photograph of a pedon</b></li> <li>• <b>Soil Survey Photography</b></li> <li>• <b>Digital Soil Survey Images</b></li> <li>• <b>Digital Photography</b></li> <li>• <b>Using the Olympus C4000</b> (if used in your office)</li> </ul>
Cycle step 2	<p>Trainer shows the trainee the various parts and features of the camera that the trainee will use for soils and landscape photos. Discuss why and under what conditions various features would be selected or adjusted.</p>
	<p>Trainer takes numerous photographs with different camera settings or provides examples and asks the trainee to critique what is good and what needs improvement for each. Photos should be of realistic situations that occur during soil survey photography. (Problems could include shadows, poor light, poor composition, too much sky, out of focus, off balance, over exposure, dirty lens, etc.).</p>
	<p>Trainer discusses with trainee the compositions to avoid in photographs.</p> <ul style="list-style-type: none"> <li>• Embarrassing pose or expression of the subject.</li> <li>• Conditions which would reflect badly upon an individual, such as poor management, failed practices, and structures or equipment in disrepair.</li> <li>• Comparisons of one neighbor to another.</li> <li>• Personally identifiable information (ID badges, license plates, mailboxes).</li> <li>• Children (without parental consent).</li> <li>• Trademark or copyrighted materials.</li> <li>• Advertisements or endorsements.</li> </ul>
	<p>Trainer discusses with trainee the need for and proper format for documenting and filing the photographic images.</p>
Cycle step 3	<p>Coaching the trainee, have the trainee take photographs of soil landscapes or soil profiles in a pit for use in publications. Also have the trainee take photographs of</p>

	plants for the purpose of identification and documentation. Ask the trainee to describe how to document the photographs and where these would be filed.
Cycle step 4	Without coaching, have the trainee take photographs of soil landscapes or soil profiles in a pit for use in publications. On a photo-by-photo basis, critique whether the trainee's submitted photographs meet the needs for soil survey information or publication. Have the trainee describe the considerations in composing the photograph, conditions which may affect exposure, and whether the picture was taken at the proper time of day/year to document conditions using photography. Trainer reviews documentation and filing of images for completeness and provides trainee with feedback when needed.
Cycle step 5	Answer any questions. Repeat any steps as necessary.

### **OJT Module Lesson Measurement of Learning**

**Title: 604 How to take photographs for soil survey – basics.**

<b>WHAT</b>	<b>WHY, WHEN, WHERE, HOW, SAFETY, QUALITY</b>
Obtain quality photographs routinely during project activities.	During project activities, assign this task to the trainee. Sign off on performance when target proficiency is achieved.

### **SF-182**

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