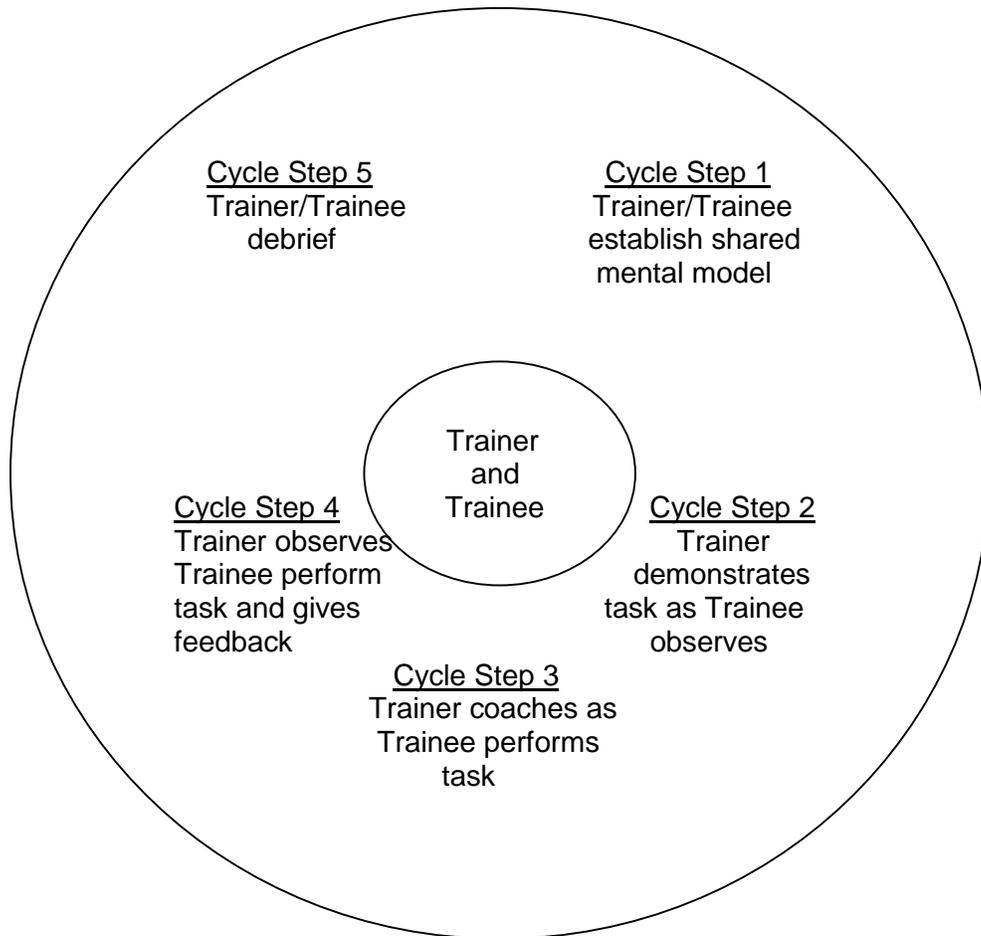


## OJT Training Module Cover Sheet

<b>Title:</b> 716 How to determine plant species richness
<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>• Estimate the total number of species in an area as an indicator of biodiversity.</li></ul>
<b>Target Proficiency:</b> <input type="checkbox"/> Awareness <input type="checkbox"/> Understanding <input type="checkbox"/> Perform with 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>• Be familiar with the assigned reading material in the lesson plan that follows.</li></ul>
<b>Special Requirements:</b> None
<b>Prerequisite Modules:</b> None
<b>Notes:</b> The method described is known as the “modified Whittaker approach.” This method counts the total number of species encountered and does not quantify each species within the plot.
<b>Authors:</b> Johanna Pate Chris Ebel
<b>Approved by:</b> Shawn McVey

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



## OJT Module Lesson

Title: <b>716 How to determine plant species richness</b>	
WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle Step 1	<p>You and trainee review the objectives of the module.</p> <p>You and trainee read and review:</p> <ul style="list-style-type: none"> <li>• Monitoring Manual for Grassland, Shrubland and Savannah Ecosystems, Volume II: Design, Supplementary Methods and Interpretation               <ul style="list-style-type: none"> <li>○ Plant species richness (Section II: Supplementary Methods, Chapter 10), page 57</li> </ul> </li> </ul> <p>Note that this method is very time consuming and that a minimum estimate may be calculated from the line-point intercept data supplemented by a thorough search for exotics and other species of interest throughout a plot area.</p> <p>Note: An electronic copy of reference materials can be downloaded from numerous sites.</p>
Cycle Step 2	<p>Follow the steps provided in the <u>Monitoring Manual for Grassland, Shrubland and Savannah Ecosystems, Volume II</u> for the modified Whittaker approach:</p> <ul style="list-style-type: none"> <li>• Materials</li> <li>• Set up of the plots</li> <li>• Recording number of species</li> <li>• Plant species richness data form</li> <li>• Plant species richness calculations</li> </ul>
Cycle Step 3	Coach trainee as trainee completes all inventory steps of the modified Whittaker approach.
Cycle Step 4	Repeat Cycle Step 3 without coaching.
Cycle Step 5	Provide feedback and debrief trainee. Reinforce specific items as needed until trainee is able to independently determine plant species richness.

## OJT Module Lesson Measurement of Learning

Title: <b>716 How to determine plant species richness</b>	
<b>WHAT</b>	<b>WHY, WHEN, WHERE, HOW, SAFETY, QUALITY</b>
Trainee's learning is measured.	During project activities, assign this task to the trainee. Sign off on performance when target proficiency is achieved.
Follow-up	Follow-up should be done within 6 months to make sure training is retained.

### ***Performance Report Form***

<p>Complete attachment: Trainee Performance Report Form template.pdf</p> <p>or</p> <p><b>SF-182</b> Trainee and/or supervisor access AgLearn to verify completion of the module via its SF-182</p>
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