TRINITY OCCUPATIONAL TRAINING, INC.
TRAINING CONTRACT
OJT TRAINING PLAN

COMPETENCIES

JOB TITLE: ECOSYSTEM MANAGEMENT TECHNICIAN

COURSE: ECOSYSTEM MANAGEMENT

RATING SCALE
1 2 3 4 5

1. Can identify 50 plants common to the area. Recognizes plants that are indicators of certain ecological conditions (i.e., plants found in spring areas or seeps where high ground water is present all year). _____

2. Can identify plant communities and successional stages common to the area and relationships to wildlife habitat. _____

3. Can accomplish a basic site inventory and assessment of factors driving ecosystem conditions. _____

4. Can perform a basic assessment of ecosystem management activity and determine possible effects over time. _____

5. Will recognize cumulative effects of ecosystem nature and management activities in the larger landscape. _____

COURSE: ECOSYSTEM INVENTORY

6. Map Reading: Will be able to interpret symbols used on topo maps, orient maps using the north arrow, and locate themselves on the maps. _____

7. Plot Transect: Students will be able to determine the azimuth and distance to the first plot on a plot transect, locate it on the ground, and determine the azimuth of the transect. _____

8. Photo Interpretation: Students will be able to interpret basic vegetation types and topographic and human made features. _____

9. Photo Orientation: Students will be able to determine actual photo scale at a given location, orient the photo correctly in the field, and determine the azimuth and distance to a point on the photo. _____

RATING SCALE
1 2 3 4 5

10. Parcel Identification: Student will be able to find and describe parcels based upon the standard U.S. Public Land Survey. _____

11. Surveying Techniques: Student will be able to use a compass, clinometer, and tape to find and lay out plot transect lines. _____

12. Inventory Techniques: Student will be able to use the following survey and inventory equipment, wedge prism, Spiegel relaskop, Merritt hypsometer, Biltmore stick, diameter tape, caliper, clinometer and increment borer, to lay out a plantation survival plot and a timber cruise plot, collect data, and enter data on a record sheet. _____

13. Stream Inventory: Student will be familiar with standard inventory and monitoring equipment. _____

14. Fisheries Inventory: Student will be able to describe the equipment and techniques used in fisheries inventories. _____

15. Cultural Inventory: Student will understand how to survey for features, sites, and artifacts, the types of features, sites and artifacts which are likely to be found on the Shasta-Trinity National Forest, and how to record this information. _____

16. Soils Inventory: Student will be able to determine soil properties using a standard soil pit and be able to determine the soil type on an area using a published soil survey. _____

17. Wildlife Inventory: Student will be able to describe the types of inventories used to survey for wildlife. _____

18. Fuels Inventory: Student will be able to describe a fuels inventory and the equipment used in the inventory. _____

19. Ecological Unit Inventory: Student will be able to describe a fuels inventory and the equipment used in the inventory. _____

COURSE: FOREST PRACTICE FOR ECOSYSTEM MANAGEMENT

20. Use tools and equipment safely and utilizes all safety equipment appropriately. _____

RATING SCALE
1 2 3 4 5

21. Interpret project specification to achieve the anticipated end result. Quality standards are achieved or exceeded. _____

22. Select the proper tools, equipment and materials required to complete the project at the highest quality and cost effectiveness. _____

23. Accurately estimate the cost of a project in terms of labor, supply of materials, equipment costs, travel and lodging, supervision and overhead. _____

24. Recognize the basics of crew organization and its relationship to project accomplishment, quality of work, and costs. _____

25. Have a basic understanding of current land management direction and desired future conditions as expressed in ecosystem management plans, national forest plans, and the President's forest plan. Can relate natural history of the area and management history of the area to the existing ecological condition. _____

26. Are familiar with and perform specialized skills in:

- Culvert and drainage installation
- Road closures and obliteration
- Small diameter thinning and extraction
- Fuels management including hand piling, fuel break construction, prescribed burning
- Stream restoration
- Forest inventories

_____

TOTAL SCORE: _____

AVERAGE SCORE: _____

Indicate if Pre-/Post-Test: _____

_____
Assessor/Supervisor Signature Date

_____
Participant Signature (Post-Test Only) Date

A minimum of _____ indicators are required for this competency. If Pre-Test, deficiency must be established for a minimum of 50% of the indicators used (6 of 12, 7 of 14, etc.). Deficiency is any rating less than 3.