

**VERSAR****TRIP REPORT****REPORT BY:** Nicole Hastings-Bethel**REPORT DATE:** 10/1/2014**PURPOSE OF VISIT:** Alder Creek Firing Range - Initial Field Visit**DATES OF VISIT:** 9/29/2014**TRAVELER(S):**

Name and Title	Company
Nicole Hastings-Bethel, Environmental Scientist	Versar, Inc.

PERSONNEL CONTACTED:

Name	Title	Location/ Department	Contact Numbers	Email
Joseph Seney	Chief, Geologic Services	Redwood National Park	707-465-7704	Joe_Seney@nps.gov

GENERAL DISCUSSION:**Discussion Details**

At approximately 1230 on September 29, 2012, Ms. Hastings-Bethel with Versar met Mr. Seney with the National Parks Service (NPS) at the Operations Center in Orick, California and proceeded to the Alder Creek Firing Range in separate vehicles. They parked off of Alder Camp Road and accessed the Site on foot. During the field portion of the project, access to the road can be traversed with a four-wheeled drive vehicle, but the NPS asked that Versar park at the top of the hill and walk the last couple of hundred feet down to the firing range because of poor road conditions.

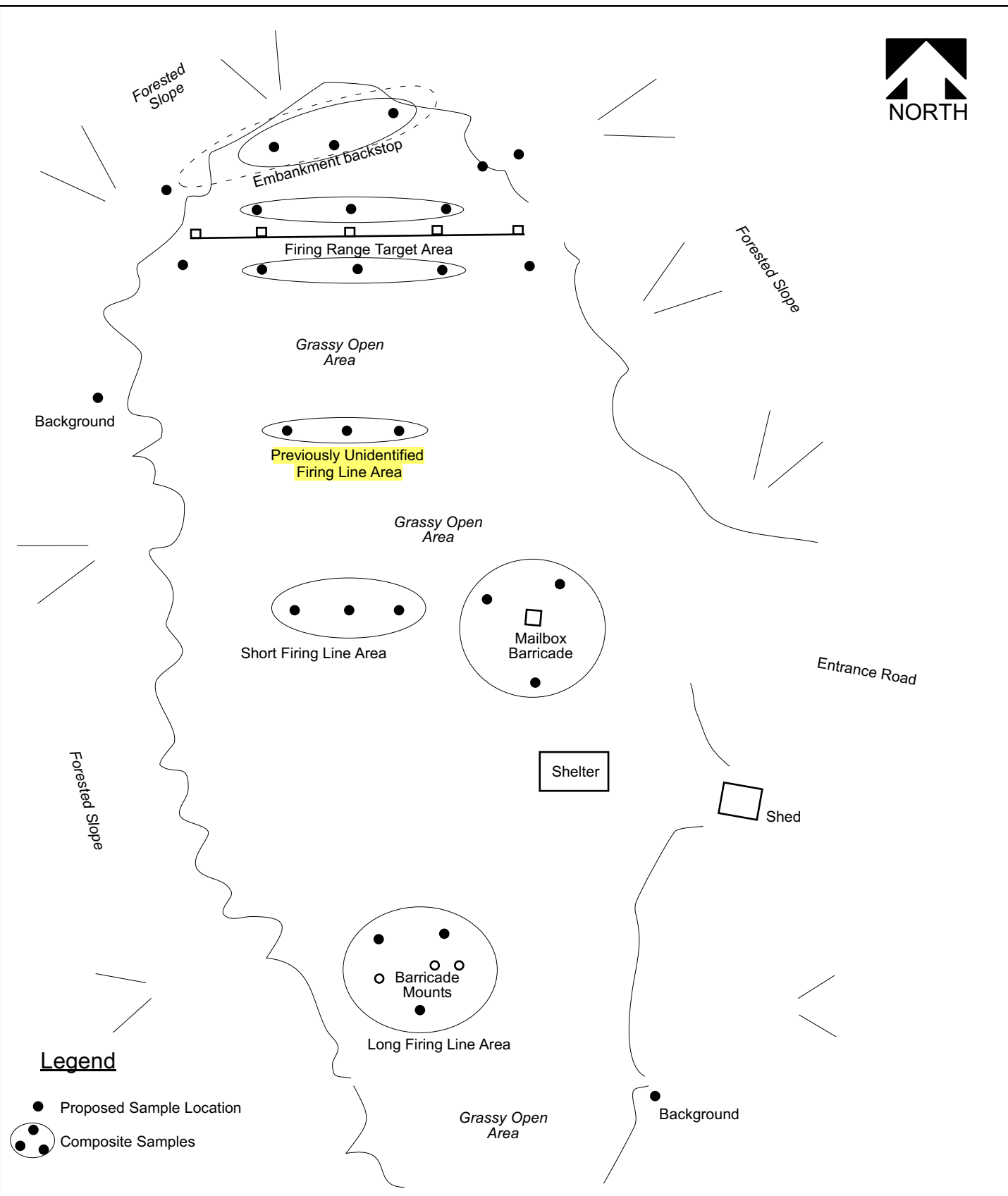
During the Site visit, an additional firing line area of concern was identified between the Target Line and the Mailbox Barricade/Short Firing Line Area. Additional sample locations were discussed for this location as well as minor modifications to the preliminary sample locations. Figure 1 presents the proposed sample locations.


Mr. Seney stated that students from the local Humboldt State University had collected soil samples at the Site within the last year, and that while he has not yet seen the results, samples collected from the embankment needed to be diluted four times prior to analysis, indicating possible high concentrations of metals. We discussed the use and placement of composite versus discrete sampling and concluded that in the areas most likely to be impacted composite samples would be collected, and discrete samples would be collected in the less predictable areas. These changes represent a relocation/reorganization of discrete and composite samples already proposed.

If the results to the students analysis become available, we would like to review the results to help guide our sampling program, but we do not anticipate being able to use the results in any official capacity at this time.

Attachments:

Figure 1 – Draft Proposed Sample Locations



Dr. By: NH		DRAFT PROPOSED SAMPLE LOCATIONS Firing Range Redwood National Park Alder Camp Road Orick, California	Figure 1
Date: 10/1/2014			
Scale: NTS			
Project No.:112036.0004.001			