Memorandum March 20, 2015

To: Alan Henning

From: Peter Leinenbach

Subject: Stream designations and images near a proposed chemical application in the Triangle Lake region (Proposal BL-SPY-15 and ODF Notification 2015-781-04611).

Datasets Used - Two images were obtained from Google Earth: 1) preharvest (8/24/2012); and 2) postharvest (6/62014). Red lines in the images designate nonfish/nonperennial streams, orange lines designate nonfish/perennial streams, and blue lines designate fish/perennial streams. The stream layer used in these images were obtained from ODF's 2010 streams layer dataset (Statewide_Streams_FP).

Findings – There are several nonfish streams within this proposed chemical application zone. As can be seen in these images, these nonfish streams have, in most cases, no riparian buffer remaining following harvest activities. Requested chemicals to apply to this harvest unit are Sulfometuron methyl (Oust Extra) and atrazine (Atrazine 4L). It is also important to point out that the images also appear to indicate that the inner buffer was thinned during this harvest action: There are "stripes" in the inner buffer following harvest. However, the chemical application document implies that they inner buffer was not harvested ("Timber and vegetation in the 60 foot from stream RMA was reserved from harvest and disturbance").

Figure 1. Proposed Chemical Application Zone (Image from notification 2015-781-04611)

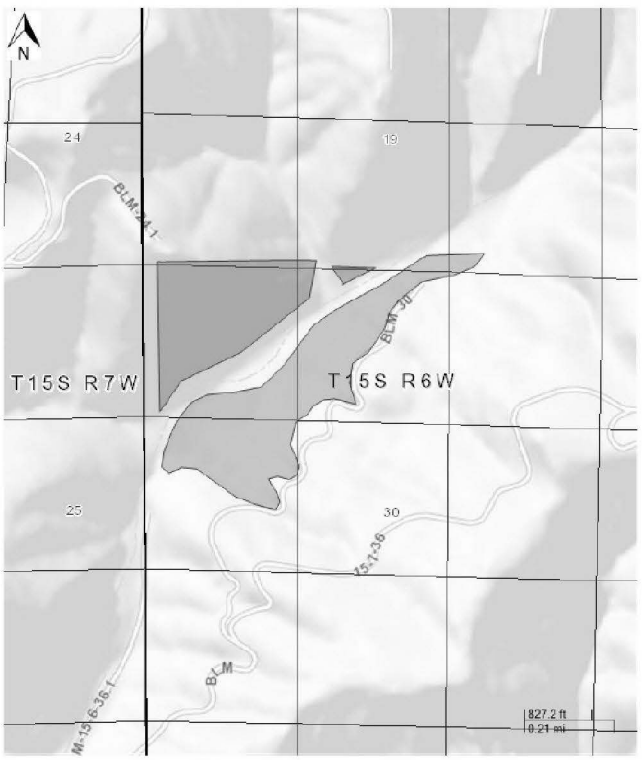

Figure 2. Preharvest Image and Stream Designations

Figure 3. Postharvest Image and Stream Designations

Figure 4. Zoomed in Image of the Inner Buffer Preharvest Conditions and Stream Designations
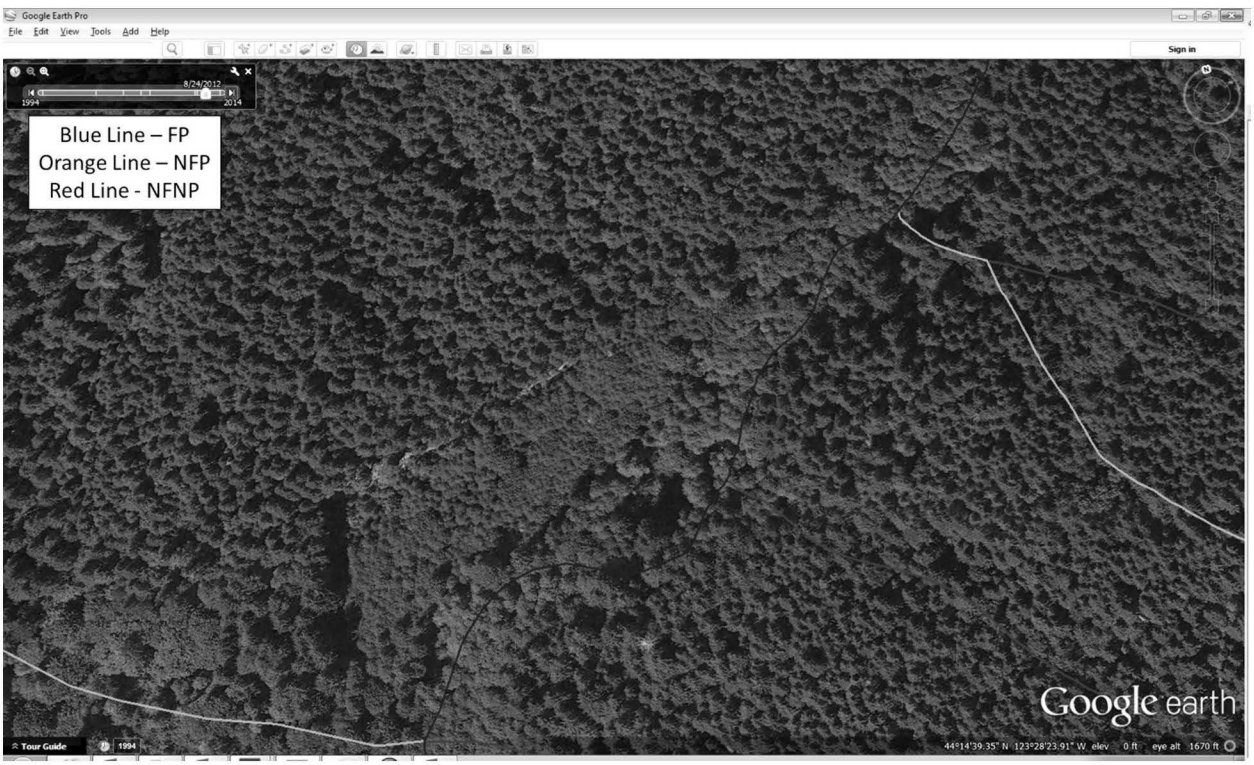
Figure 5. Zoomed in Image of the Inner Buffer Postharvest Conditions and Stream Designations