

2015 Western Washington Regional Aerials

Report: Plan for QC of Acquired Imagery

Contract Item: 5.2.5.3

Date: May 14, 2015

By: GeoTerra, Inc.

All digital photography acquired for the 2015 Western Washington Regional Aerials project will be initially reviewed using Microsoft's *UltraMap* image processing software for Vexcel cameras. All images will be reviewed for clouds, cloud shadows or other defects that are immediately apparent in the imagery. Any rejected photos will be marked for re-flights. Once all patches and re-flights are captured, all acquired imagery will be assessed to determine which frames will be used for further image processing, AT and ortho production, and which image frames will be culled from production due to defects. This process is a standard procedure completed by each flight vendor using the same *UltraMap* software.

After *UltraMap* processing is completed, all "quick views" generated will be viewed for color consistency and checked again for cloud or exposure defects. In addition, random spot checks will be conducted on full size images to confirm that processing parameters (rotation, bit depth, and bands) were correctly followed. Images from all subcontractors will also be re-reviewed by GeoTerra for project consistency.

Photos will be organized by GSD, location, date, and bit depth. Photo directories will be reviewed for consistent file size, naming conventions, and completeness when cross-referenced to flight logs and the official photo index.

The team structure for imagery review will be performed in GeoTerra's Portland office by the following personnel:

Trevor Gray

Justin Atkinson

Nathan Eby

Ellen Leathers-Wishart