

Peace River Project Water Use Plan

Peace River Spill Aerial Photos

Implementation Year 1

Reference: GMSMON-10

Study Period: 2012

BC Hydro Photogrammetry Services

June 10, 2013

GSMON#10 - Peace River Spill Aerial Photos

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In fiscal 2012 the Photogrammetry Services Department contracted out and completed the following work on GSMON #10.

Acquired on July 9 and 10, 2012 1:5000 scale equivalent (GSD of 6.0) digital photography of the Peace River from Peace Canyon Dam to the confluence of the Pine and Peace Rivers, The mission was flown with a constant discharge rate from Peace Canyon Dam July 9 at a flow of approximately 2880 m³/s and on July 10 at an approximate flow of 2490 m³/s.

In fiscal 2013 aerial photography was acquired on April 28, 2013 1:6000 scale equivalent (GSD 7.5) digital photography of the Peace River from Peace Canyon Dam to the confluence of the Pine and Peace Rivers, The mission was flown with a constant discharge rate from Peace Canyon Dam April 28, 2013 at a flow of approximately 420 m³/s

The Aerial Photo acquired was in digital format and was delivered to Photogrammetry, as per photogrammetric standards, the images were adjusted through a computer process of Aerial Triangulation and controlled by previous Aerial Triangulation of 2008 Photo. After the Aerial Triangulation process was complete the aerial photographs were set into the photogrammetric workstations and checked as to quality and completeness of coverage.

The Photogrammetric department then imported a ground model of LiDAR Digital Elevation Points as used in previous editions of the project. The resulting Digital Elevation Model was used to drape the photography in order to produce high resolution Orthophotos of each flight. The final products were distributed to various users and archived in the Photogrammetry department.