

Peace River Project Water Use Plan

Peace River Aerial Photos

Implementation Year 1

Reference: GMSWORKS-1

Study Period: 2011

BC Hydro Photogrammetry Services

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Gmsworks#1 - Peace River Aerial Photos

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In fiscal 2011 the Photogrammetry Services Department contracted out and completed the following work on GMS Works #1.

Acquired on August 25 and 26, 2011 1:5000 scale 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 August 25 at a flow of approximately 68,000 ft³/s and on August 26 at an approximate flow of 53,000 ft³/s.

The Aerial Photo acquired were in digital format and were delivered to our department in early September, 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 a high resolution Orthophoto. The final products were distributed to various users and archived in the Photogrammetry department.