

Site C Clean Energy Project Agriculture Monitoring and Follow-up Program 2016 Annual Report

*Prepared in accordance with the Agricultural Monitoring and Follow-up
Program (Final Dated: December 22, 2015)*

2016 Annual Report Submission Date: July 21, 2016

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1.0 Background

The Site C Clean Energy Project (the Project) is a hydroelectric dam and generating station under construction in northeast B.C. Construction started in July 2015 and will be completed in 2024. The Project will help meet future electricity needs by providing 1,100 megawatts of dependable capacity, and producing about 5,100 gigawatt hours of energy each year — enough to power the equivalent of 450,000 homes per year. Once built, the Project will be a source of clean, reliable and cost-effective electricity in B.C. for more than 100 years.

The key components of the Project are:

- Access roads and a temporary construction bridge across the river, at the dam site.
- Worker accommodation at the dam site.
- Upgrades to 240, 269, 271 and Old Fort roads.
- The realignment of six segments of Highway 29.
- Two temporary cofferdams across the river to allow for construction of the earthfill dam.
- Two new 500 kilovolt transmission lines connecting Site C to the Peace Canyon Substation, within an existing right-of-way.
- Shoreline protection at Hudson's Hope, including upgrades to DA Thomas Road.
- An 800-metre roller-compacted-concrete buttress to enhance seismic protection.
- An earthfill dam, approximately 1,050 metres long and 60 metres high above the riverbed.
- A generating station with six 183 MW generating units.
- An 83-kilometre-long reservoir that will be, on average, two to three times the width of the current river.

2.0 Environmental Assessment Certificate Conditions

Condition 31 of the Environmental Assessment Certificate requires the following:

“The Agriculture Monitoring and Follow-up Program must include at least the following:

Monitoring for Project-induced changes in wildlife habitat utilization, and evaluation of associated crop or feed storage damage for, agricultural operations within 5 km of the reservoir, to assess if there is an increase in wildlife-related crop depredation due to Project-related habitat losses. Monitoring must include pre- and post- reservoir filling field surveys, wildlife monitoring, farm operator interviews, and analysis of relevant records related to wildlife-related crop depredation.

Monitoring for Project-induced changes to humidity within 3 km of the reservoir, and evaluate associated effects on crop drying within this area. Monitoring must include collection and analysis of climate data, calculation of crop drying indices, and farm operator interviews.

Monitoring for Project-induced changes to groundwater elevations within 2 km of the reservoir (the area potentially influenced by groundwater elevation changes), and

evaluate associated effects on crop productivity. Monitoring must include field surveys and farm operator interviews.

Monitoring for climatic factors to estimate moisture deficits and to estimate irrigation water requirements in the vicinity of the reservoir to provide information for potential future irrigation projects. Data collection will be undertaken before reservoir filling, and in the 5 years after reservoir filling, and data will be reviewed as required for proposed irrigation projects.

The Agriculture Monitoring and Follow-up Program reports must be provided annually during the monitoring and follow-up period to affected agricultural land owners and tenure holders, and Ministry of Agriculture.

The results of the Agriculture Monitoring and Follow-up Program must inform the Farm Mitigation Plans.

Reporting must begin 180 days after the commencement of the monitoring and follow-up program that is to begin 180 days after commencement of construction.

The EAC Holder must provide this draft Agriculture Monitoring and Follow-up Program to the Ministry of Agriculture, Peace River Regional District and the District of Hudson's Hope for review within 90 days after the commencement of construction.

The EAC Holder must file the final Agriculture Monitoring and Follow-up Program with EAO, Ministry of Agriculture, Peace River Regional District and the District of Hudson's Hope within 150 days of commencement of construction.

The EAC Holder must develop, implement and adhere to the final Agriculture Monitoring and Follow-up Program, and any amendments, to the satisfaction of EAO."

3.0 Agriculture Monitoring and Follow-up Program Overview

BC Hydro described the approach required by the above condition in the Agriculture Monitoring and Follow-up Program ("AMAFP"), submitted as final on December 22, 2015. The AMAFP was developed and is being implemented in accordance with Condition 31 of Environmental Assessment Certificate #14-02, dated 14 October 2014 (the EAC), which was issued in respect of the Site C Clean Energy Project (the Project).

Monitoring plans within the AMAFP include:

- Wildlife Habitat Utilization Monitoring
- Monitoring Potential Effects on Crop Drying
- Monitoring Potential Groundwater Effects
- Monitoring to Estimate Irrigation Water Requirements

The Site C Clean Energy Project (Project) Environmental Assessment assessed how the creation of the reservoir may result in site-specific changes that may affect agricultural operations on individual farm operations, and where project effects on agricultural operations are not already addressed under agreements with BC Hydro. The agricultural monitoring and follow-up programs are included in the Site C Environmental Assessment Certificate as

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 Agricultural Monitoring and Follow-Up Program
 Site C Clean Energy Project

Condition #31. The monitoring program results are to confirm if a Project change has occurred, and to evaluate the adverse effect on agricultural operations.

If adverse effects are identified in the results of the agricultural monitoring plans for Wildlife Habitat Utilization, Reservoir Induced Effects on Crop Drying, and Groundwater Effects, the data and analysis will be used to inform individual Farm Mitigation Plans. Results from the Monitoring to Estimate Irrigation Water Requirements Plan will be used to support future decisions regarding irrigation improvements, including support for potential projects that may be proposed under the agricultural compensation program.

The AMAFP stated that monitoring, analysis and reporting will be undertaken in accordance with the following schedule:

| Phase Description | Timeline |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Historical data review, Baseline ¹ data collection; New climate station siting and installation; Preparations for field survey, consultation and interviews. | <ul style="list-style-type: none"> • January 2016 – December 2017 |
| Data collection, field surveys, interviews, consultation, and data analysis. | <ul style="list-style-type: none"> • Five Years Prior to Reservoir Filling (December 2017 - December 2022) • Five Year Post Reservoir Filling (January 2023 - January 2028) |
| Annual and Final Reporting | <ul style="list-style-type: none"> • July 2016 – July 2028 |

The AMAFP stated that annual reports on the implementation of the AMAFP will be prepared beginning on July 21, 2016 (360 days after commencement of construction). These reports will include a summary of monitoring plan implementation activities, and will be submitted annually in July from 2016 to 2028. The annual reports will be posted on BC Hydro’s website and notifications sent to affected agricultural land owners and tenure holders, and the Ministry of Agriculture.

¹ Baseline data refers to the continued collection of data from existing climate stations and monitoring sites. As new stations and sites are added, and additional parameters are included at existing stations, this data will be incorporated into reporting as it becomes available.

4.0 Annual Report Time Period and Format

The July 21, 2016 AMAFP Annual report for the four monitoring plans covers the time period from December 22, 2015, when the Final AMAFP was submitted, to March 31, 2016. Due to timing of the final plan submission and the first annual report deadline set out in condition 31, this first annual report covers approximately three months. Future annual reports will cover 12 month periods from April 1 to March 31st of the following year, with annual reports planned to be submitted in July of each year.

The AMAFP annual report includes separate updates for each of the four plans including:

- Wildlife Habitat Utilization Monitoring Plan (Appendix A)
- Monitoring Potential Effects on Crop Drying Plan (Appendix B)
- Monitoring Potential Groundwater Effects Plan (Appendix C)
- Monitoring to Estimate Irrigation Water Requirements Plan (Appendix D)

Each of the four monitoring plan annual reports will follow a similar format, which includes the following elements:

- Introduction
- Methods (Study Location and Activities)
- Results and Analysis
- Next Steps
- References

5.0 Summary of Results

Due to timing of the final plan submission and the first annual report deadline set out in condition 31, this first annual report covers approximately three months. As each of the monitoring programs is in the early phase of implementation there are not yet substantive results or analysis. A description of the status of results for each program is provided below.

5.1 Wildlife Habitat Utilization Monitoring Plan

During the program establishment phase there are limited results or analysis required. In years one and two of the plan, annual reports will provide a summary of activities including baseline data review, selection of monitoring sites for field surveys, preparation for farm operator interviews. Wildlife compensation program information from Ministry of Agriculture will be analyzed upon receipt.

5.2 Monitoring Potential Effects on Crop Drying Plan

During the program establishment phase there are limited results or analysis required. In years one and two of the plan, annual reports will provide a summary of activities including baseline data review, selection of monitoring sites for field surveys, preparation for farm operator interviews. The climate stations are collecting information that will provide baseline information to support future analysis.

5.3 Monitoring Potential Groundwater Effects Plan

During the program establishment phase there are limited results or analysis required. In years one and two of the plan, annual reports will provide a summary of activities including baseline data review, selection of monitoring sites for field surveys and preparation for farm operator interviews.

5.4 Monitoring to Estimate Irrigation Water Requirements Plan

During the program establishment phase there are limited results or analysis required. The climate stations are collecting information that will provide baseline information to support future analysis.

Appendix A. Wildlife Habitat Utilization Monitoring Plan

1. Introduction

The Site C Clean Energy amended Environmental Impact Statement (BC Hydro. 2013)(“EIS”) noted the potential for increased wildlife crop damage (Table 20.1) and identifies reservoir induced changes to wildlife presence in agricultural areas as a key indicator (Table 20.3).

EIS Section 20.7.2.1 (page 20-53, lines 12 to 14) states “The loss of wildlife habitat in the reservoir may lead to an increase in wildlife in agricultural areas near the reservoir, which could lead to wildlife damage to crops and stored livestock feed for farm operations.”

Condition No. 31 of the Environmental Assessment Certificate states: “the Agriculture Monitoring and Follow-up Program must include monitoring for Project-induced changes in wildlife habitat utilization, and evaluation of associated crop or feed storage damage for, agricultural operations within 5 km of the reservoir, to assess if there is an increase in wildlife-related crop depredation due to Project-related habitat losses. Monitoring must include pre- and post-reservoir filling field surveys, wildlife monitoring, farm operator interviews, and analysis of relevant records related to wildlife-related crop depredation.”

In accordance with Condition No. 31 this monitoring plan is intended to determine if there are changes to the extent and severity of wildlife damage to crops and stored livestock feed after reservoir filling.

2. Methods

Study location: The monitoring study area includes agricultural lands within 5 km of the reservoir.

Activities: Activities have included initial work on mapping, historical data collection, identification of farm operators for interviews and field survey locations, and consultation.

- Mapping: A map was created overlaying aerial orthophotography data and Agricultural Land Reserve (ALR) areas over the 5km study area boundary for the wildlife habitate utilization monitoring area. This map titled: “Wildlife Habitat Utilization Monitoring Area Identification Map” is included at the end of Appendix A.
- Historical data review: BC Hydro has requested historical data on the extent and severity of wildlife damage to crops and stored livestock feed from the BC Ministry of Agriculture’s Wildlife Damage Compensation Program relevant to the Peace River Region, and specifically within 5 km of the reservoir. Ongoing communication is in progress between BC Hydro and Ministry of Agriculture on this information.

- Identification of farm operators for interview participation and field survey locations: The “Wildlife Habitat Utilization Monitoring Area Identification Map” identifies cultivated areas and farm yard areas, and agricultural land reserve areas within the 5km study area to assist in identifying and inviting farm operators to participate in annual interviews and field surveys. Selection of locations for field surveys and selection of operators to be interviewed may also be based in part on historical crop loss information and on reports of current crop loss or losses within feed storage areas.
- Consultation: Regional agricultural producers and associations were invited to participate in consultation regarding the Framework for the Agricultural Mitigation and Compensation Plan. Comments on wildlife impacts on agricultural were received during these meetings and within individual feedback forms and submissions. The input received is documented within the Consultation Summary Report: Site C Project Framework for the Agricultural Mitigation and Compensation Plan, 2016 is available on BC Hydro’s website at: www.sitecproject.com/sites/default/files/Site%20C%20Ag%20Consultation%20Summary%20Report%20March%202016.pdf. Information on wildlife impact will be retained and applied to this monitoring plan as relevant.

3. Results and Analysis

During the program establishment phase there are limited results or analysis required. In years one and two of the plan, annual reports will provide a summary of activities including baseline data review, selection of monitoring sites for field surveys, preparation for farm operator interviews. Wildlife compensation program information from Ministry of Agriculture will be analyzed upon receipt.

4. Next Steps

From April 2016 to December 2017 work will continue to obtain and review historical data from the BC Ministry of Agriculture’s Wildlife Damage Compensation Program.

Identification of field survey locations will be completed with use of new maps developed and on site ground truthing, as required. Contacts will be identified, questionnaire will be developed, and farm operators within 5 km of the reservoir will be invited to participate.

Efforts will be made to collaborate with associations, producer groups and government agencies that may have data or local knowledge related to this monitoring plan, including establishing an annual consultation with the Peace River Regional District Wildlife Committee, representatives of key provincial agencies, including the Ministry of Agriculture, Ministry of Environment, and Ministry of Forests, Lands and Natural Resource Operations, and interested producer groups to discuss the monitoring plan, findings, and possible modifications to the plan, as required.

Consultation, field surveys and interviews will be completed over 10 years commencing in December 2017 (5 years prior to reservoir filling) and ending 5 years after reservoir filling in accordance with condition 31 requirements.

5. References

BC Hydro. 2013a, *Site C Clean Energy Project Environmental Impact Statement: Section 10 Effects Assessment Methodology*. Table 10.1 Spatial Boundary Descriptors.

BC Hydro. 2013b, *Site C Clean Energy Project Environmental Impact Statement: Section 11.3 Land Status, Tenure and Project Requirements*.

BC Hydro. 2013c. *Site C Clean Energy Project Environmental Impact Statement: Volume 3, Section 20 Agriculture*. Vancouver, BC.

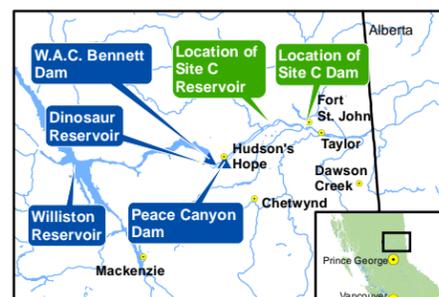
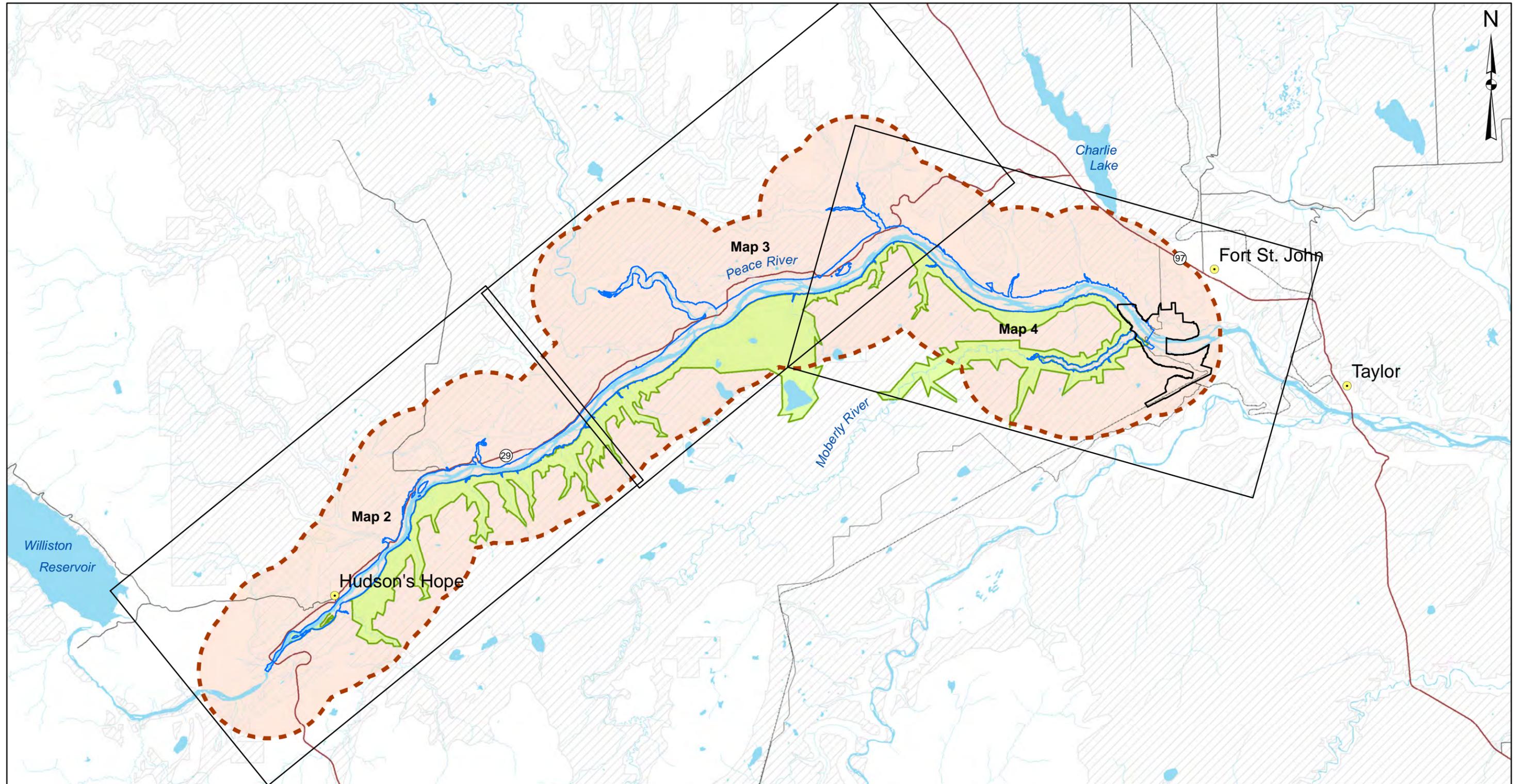
BC Hydro. 2013d. *Site C Clean Energy Project Environmental Impact Statement: Volume 3, Appendix D, Agricultural Assessment Supporting Documentation*. Vancouver, BC.

BC Ministry of Agriculture: Crop Loss Damage Programs and Data Requests. 2015-2016. (Personal Communications)

BC Ministry of Agriculture: Crop Loss Damage Due to Wildlife. Website (www2.gov.bc.ca/gov/content/industry/agriculture-seafood/programs/insurance-and-income-protection/crop-loss-damage-due-to-wildlife) Accessed February 2016.

Appendix A Map

Wildlife Habitat Utilization Monitoring Area Identification Map



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

Legend

- Area to be considered for wildlife habitat utilization monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area
- Town
- Road
- Highway
- Railway

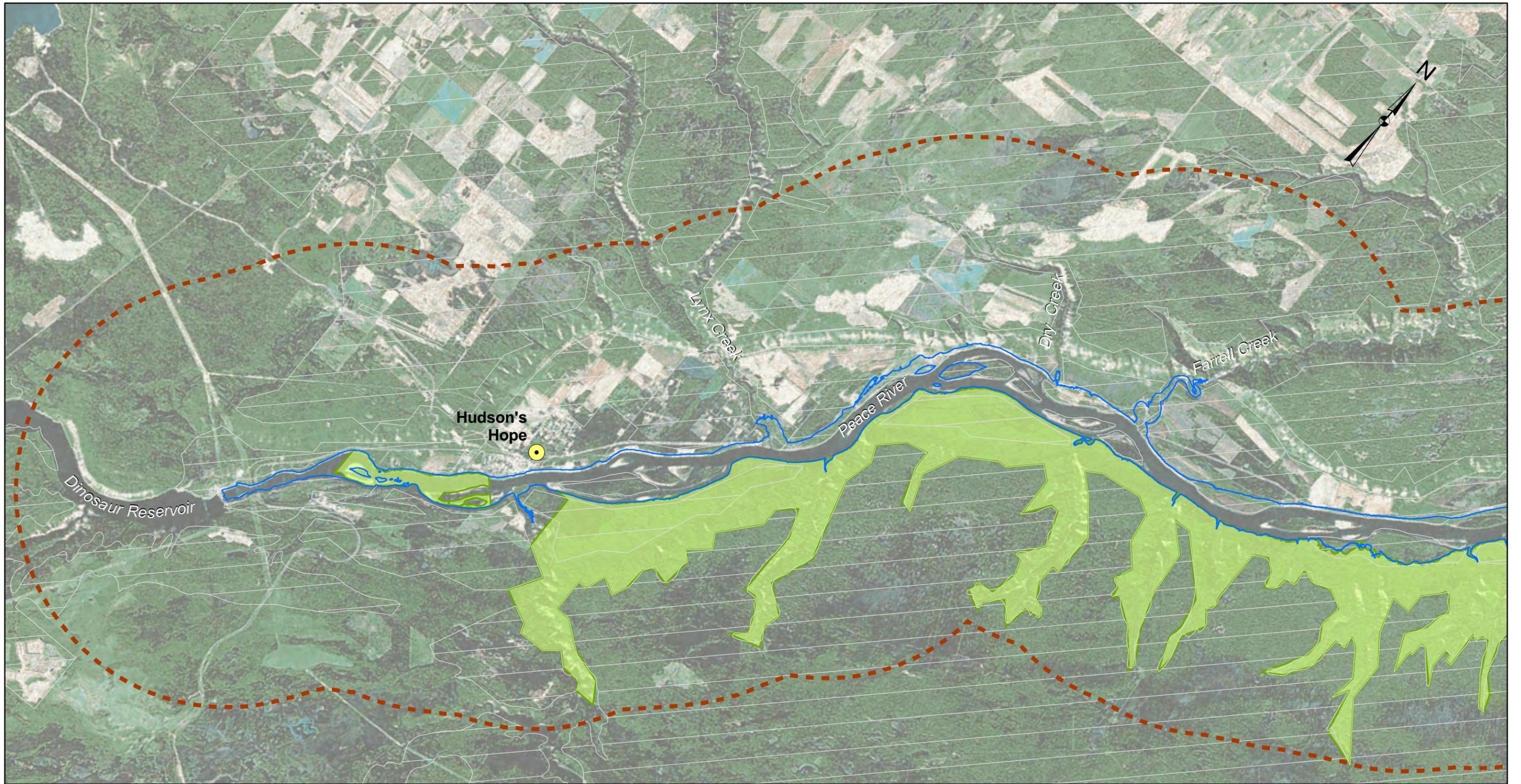
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| | | | |
| Wildlife Habitat Utilization Monitoring Area Identification - Overview Map 1 of 4 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07343-1 R 0 |

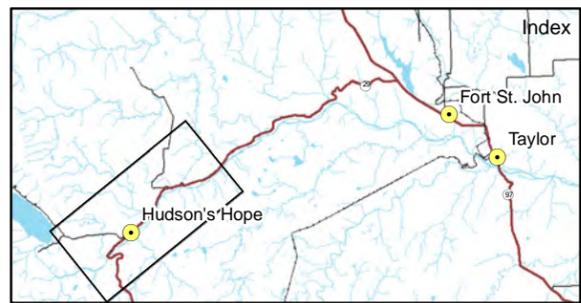
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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos provided by ESRI
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

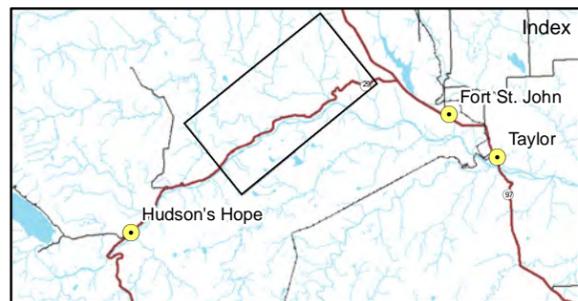
- Legend**
- - - Area to be considered for wildlife habitat utilization monitoring
 - Agricultural Land Reserve
 - Proposed Reservoir
 - Proposed Peace Boudreau Protected Area
 - Dam Site Area

1:90,000 0 2 km

| | | | |
|---------------------------------------------------------------------------------|---------------|--------|----------------------|
| | | | |
| Wildlife Habitat Utilization Monitoring Area Identification - Map 2 of 4 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-2 R 0 |



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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos provided by ESRI
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

Legend

- - - Area to be considered for wildlife habitat utilization monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area

1:90,000 0 2 km

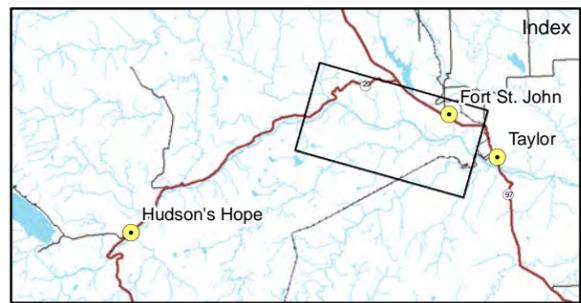
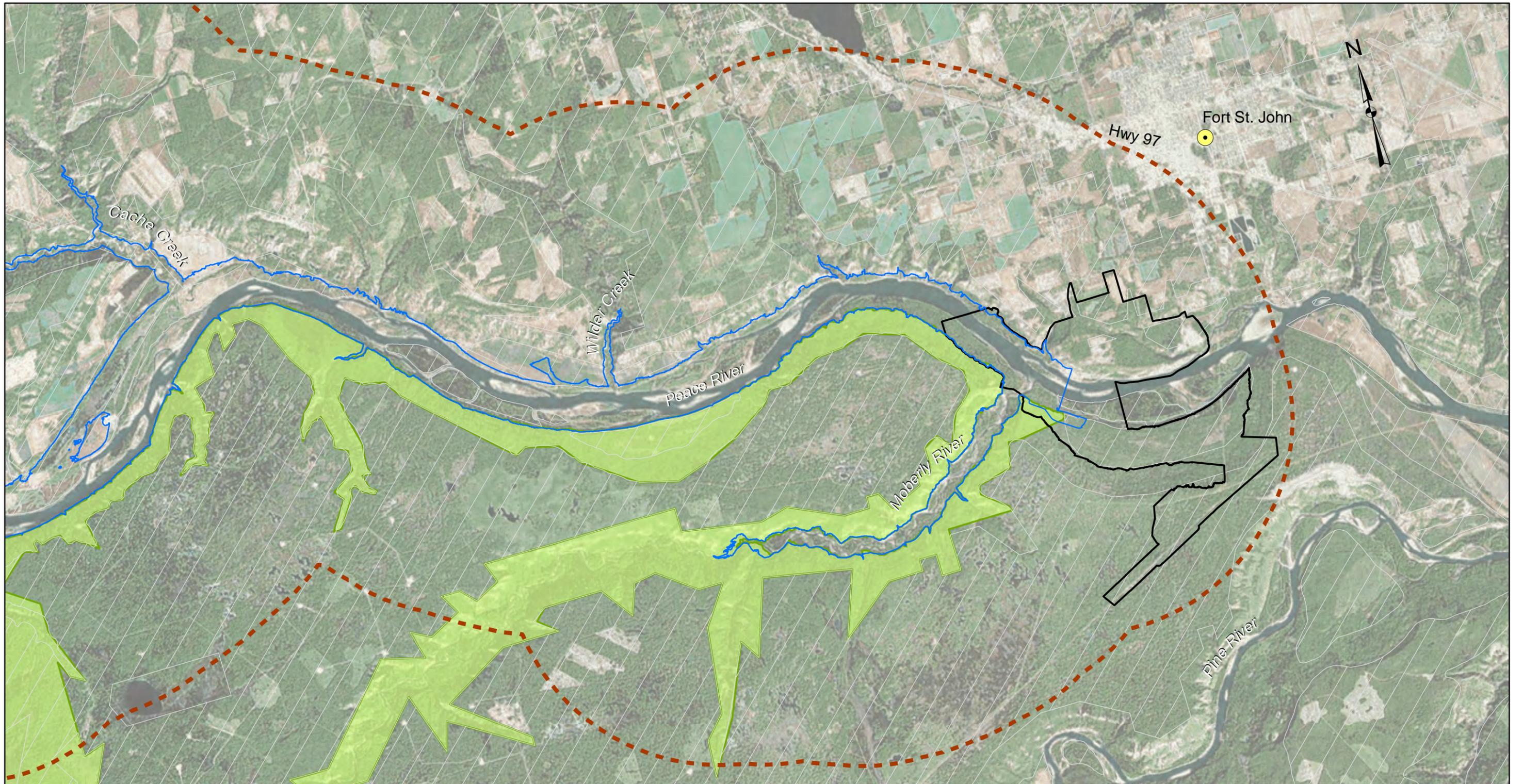


**Wildlife Habitat Utilization
Monitoring Area Identification -
Map 3 of 4**

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| Date | July 14, 2016 | DWG NO | 1016-C14-07342-3 | R 0 |
|------|---------------|--------|------------------|-----|

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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos provided by ESRI
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

Legend

- Area to be considered for wildlife habitat utilization monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area

1:90,000 0 2 km



| | | | |
|---------------------------------------------------------------------------------|---------------|--------|----------------------|
| Wildlife Habitat Utilization Monitoring Area Identification - Map 4 of 4 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-4 R 0 |

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Appendix B. Monitoring Potential Effects on Crop Drying Plan

1. Introduction

The Site C Clean Energy Environmental Impact Statement (BC Hydro, 2013) (“EIS”) identifies reservoir induced changes to microclimate on adjacent agricultural operations as a key indicator (EIS Section 10, Table 20.3). Effect on crop drying is one reservoir induced change which may occur.

EIS Section 20.3.6 (page 20-50, lines 27 to 36) states “Predicting the effect that the reservoir might have on crop drying is made difficult by the complexity of the effect of the reservoir on several climatic parameters that drive both drying and wetting effects. Generally, the RWDI model predicts increases in humidity up to 15% for stations located closely adjacent to the reservoir during the summer and fall months. The model predicts the effect on humidity during the summer and fall not to be statistically significant for locations not directly adjacent to the reservoir. The RWDI report predicts that effects on fog formation from the reservoir are in the order of 0.5% or less over the year. However, due to increased humidity, the reservoir could potentially have a small effect on crop drying during summer and early fall in the Peace River valley in areas adjacent to the reservoir.”

Environmental Assessment Condition No. 31 states the Agriculture Monitoring and Follow-up Program must include monitoring for Project-induced changes to humidity within 3 km of the reservoir, and evaluate associated effects on crop drying within this area. Monitoring must include collection and analysis of climate data, calculation of crop drying indices, and farm operator interviews.

In accordance with Condition No. 31, this study is intended to determine if there are reservoir induced changes to the microclimate on adjacent farms which result in a negative effect on crop drying.

2. Methods

Study location: The plan includes the collection of climate data and information from interviews with operators of farms within 3 km of the reservoir to estimate the magnitude, if any, of adverse effects on crop drying.

Activities: Activities have included mapping, initial work on historical data review, baseline data collection, new climate station site planning, and identification of farm operators for interviews and field survey locations, and consultation.

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Site C Clean Energy Project

- Mapping: The following maps were created using aerial orthophotography data and Agricultural Land Reserve (ALR) data to support establishment of the monitoring plan:
 - 1) Climate Stations Overview - Maps 1-3
 - 2) Crop Drying Monitoring Area Identification – Overview Maps 1 of 9These maps are included at the end of Appendix B and referenced below.
- Baseline Data Collection and Climate Station Management: Climate data was included in the Site C Environmental Impact Statement and baseline climate data continues to be collected using BC Hydro's Site C climate station network. Appendix E provides an overview of the Climate stations relevant to the agricultural monitoring program. Complete details are available in the Site C Climate & Air Quality Monitoring Annual Reports for 2014 and 2015 (RWDI).

For agriculture monitoring programs there are currently six climate station located at the sites below, as identified on the map titled "Climate Stations Overview – Maps 1-3":

- Upper Attachie
- Attachie Plateau
- Bear Flat
- Farrell Creek
- Site C Dam
- Fort St John Airport (EC)

These stations are maintained and monitored by RWDI and data collection is ongoing and summarized annually in tabular format, and by location. Agricultural monitoring plan parameters include:

- air temperature
- humidity
- precipitation
- solar radiation
- wind speed
- wind direction
- barometric pressure
- net radiation
- soil temperature
- soil heat flux
- soil water content

Two additional climate stations will be added by December 2017, including one new climate station near Taylor and a second on the plateau above Tea Creek. Mapping includes overlaying aerial orthophotography data to further identify appropriate locations within the 3km study area for the final two climate stations locations for the agriculture monitoring program. As new climate station sites are added, and additional parameters are included on existing stations, this data will be incorporated into reporting as it becomes available.

- Preparations for interviews and consultation: Planning for interviews with potentially affected farm operators will utilize the updated maps “Crop Drying Monitoring Area Identification – Overview (Map 1 of 9)” to identify appropriate operations for interviews.

3. Results and Analysis

During the program establishment phase there are limited results or analysis required. In years one and two of the plan, annual reports will provide a summary of activities including baseline data review, selection of monitoring sites for field surveys, preparation for farm operator interviews. The climate stations are collecting information that will provide baseline information to support future analysis.

4. Next Steps

From April 2016 to December 2017 historical climate data and baseline climate data will be reviewed. The existing climate station network will be upgraded to meet monitoring plan requirements, and complete the climate station network, including new stations, will be operational by December 2017. A ground truthing visit is planned for fall 2016 to confirm 2 new climate station locations and installation prior to December 2017. The 2 locations are 1) Near Taylor on south bank of Peace River, and 2) on the plateau above Tea Creek. The site visit will consider appropriate topography and exposure for the climate stations, and will include attendance by a RWDI climate station specialist and a senior agriculture advisor.

Preparation for interviews by identifying and inviting farm operators with farms within 3 km of the reservoir to participate in annual interviews. Efforts will be made to collaborate with associations, producer groups and government agencies that may have data or local knowledge related to this monitoring plan. BC Hydro is aware that there is an ongoing project, led by the BC Grain Producers’ Association, titled “Peace – Agriculture Weather Monitoring and Decision Support Tools” that may be a helpful resource to this plan.

Full climate station data collection and interviews will begin after December 2017 in accordance with condition 31 requirements and the AMAFP implementation schedule. Full monitoring plan implementation will be undertaken over 10 years, commencing 5 years prior to reservoir filling and ending 5 years post reservoir filling.

5. References

British Columbia Ministry of Environment. 1983. Climatic Capability for Agriculture, Mapsheets 94A/SW and 94A/SE. Victoria, B.C

BC Grain Producers Association (2015) "Peace- Agriculture Weather Monitoring and Decision Support Tools" Available at: http://www.bcgrain.com/Current_Projects.html. Accessed: December 2015.

BC Hydro. 2013. Site C Clean Energy Project Environmental Impact Statement. Dated January 25, 2013; Amended August 2, 2013.

BC Hydro. 2013. Site C Clean Energy Project Environmental Impact Statement. Dated January 25, 2013; Amended August 2, 2013.

BC Hydro. 2013. Site C Clean Energy Project Environmental Impact Statement. Dated January 25, 2013; Amended August 2, 2013. Volume 3, Section 20 Agriculture. Subsection 20.3 Mitigation Measures (20.3.7.2.2)

BC Hydro. 2013. Site C Clean Energy Project Environmental Impact Statement. Dated January 25, 2013; Amended August 2, 2013. Volume 3, Appendix D Agricultural Assessment Supporting Documentation. Appendix A. Climatic Moisture Deficit MD Calculations

Dyer, J.A. and D.M. Brown (1977). A climatic simulator for field-drying hay. *Agricultural Meteorology*, 18:37-48

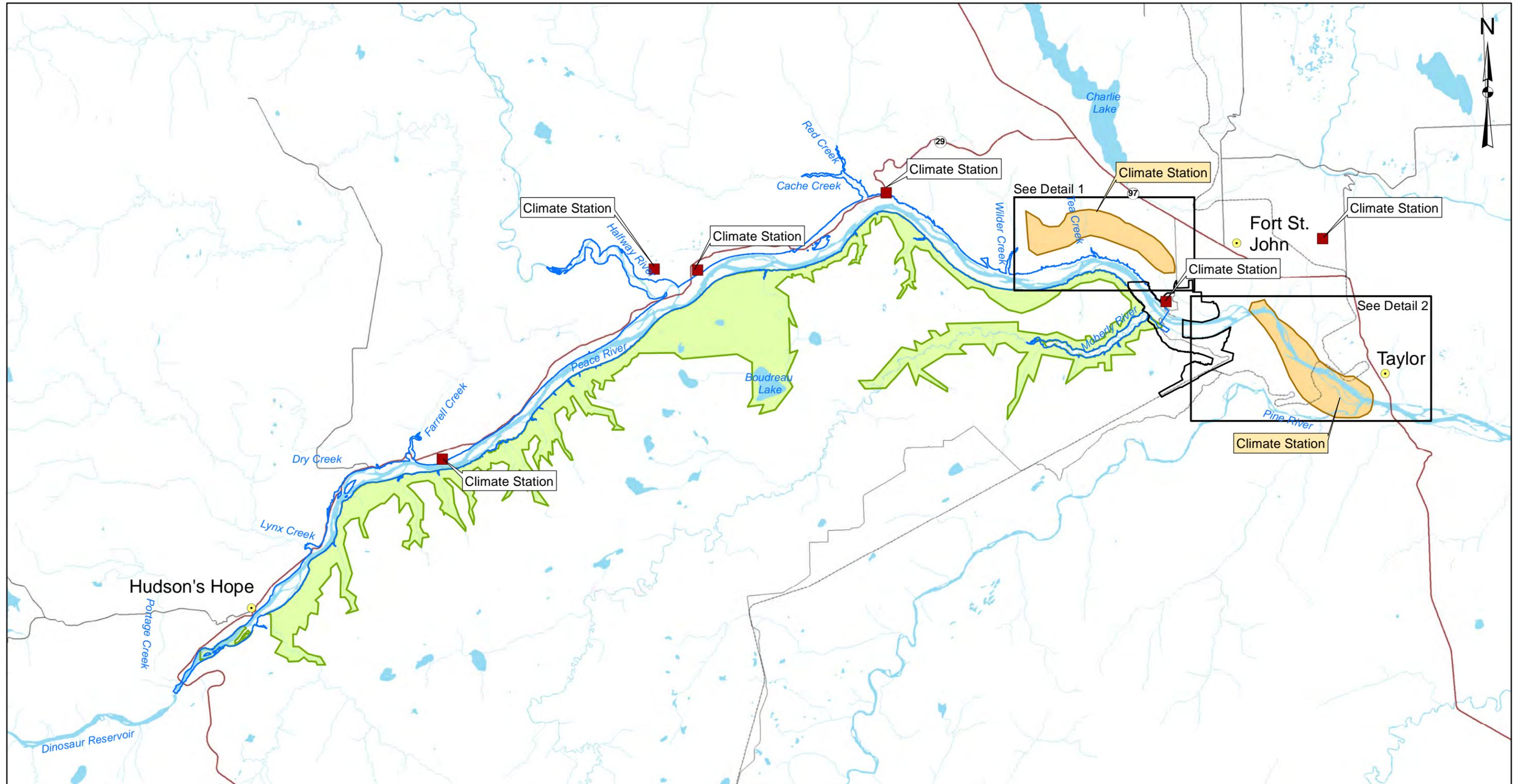
RWDI Air Inc (2015), Site C Climate & Air Quality Monitoring Annual Report 2014, Final. August 26, 2015

RWDI Air Inc (2016), Site C Climate & Air Quality Monitoring Annual Report 2015, Final. June 9, 2016.

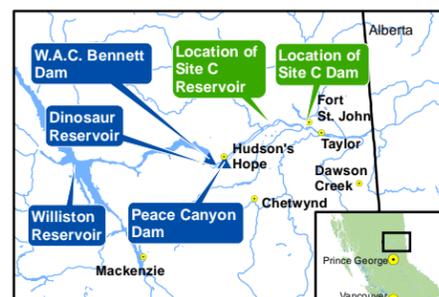
Schnorbus, M., K. Bennett, A. Werner and A. Berland. 2011. Hydrological Impacts of Climate Change in the Peace, Campbell and Columbia Watersheds, British Columbia, Canada. Pacific Climate Impacts Consortium, University of Victoria. Victoria, B.C.

Appendix B Maps

- 1) Climate Stations Overview - Maps 1-3
- 2) Crop Drying Monitoring Area Identification – Overview Maps 1-9



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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

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Legend

- BC Hydro Climate Station
- Proposed Reservoir
- Town
- Area to be Considered For Climate Station
- Dam Site Area
- Road
- Proposed Peace Boudreau Protected Area
- Highway
- Railway

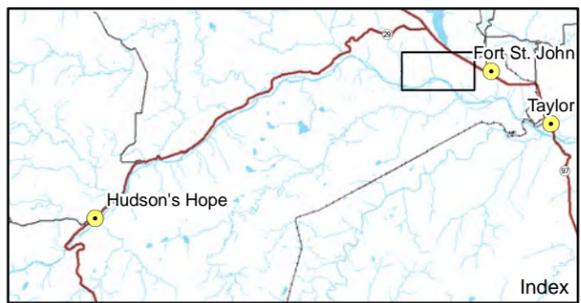
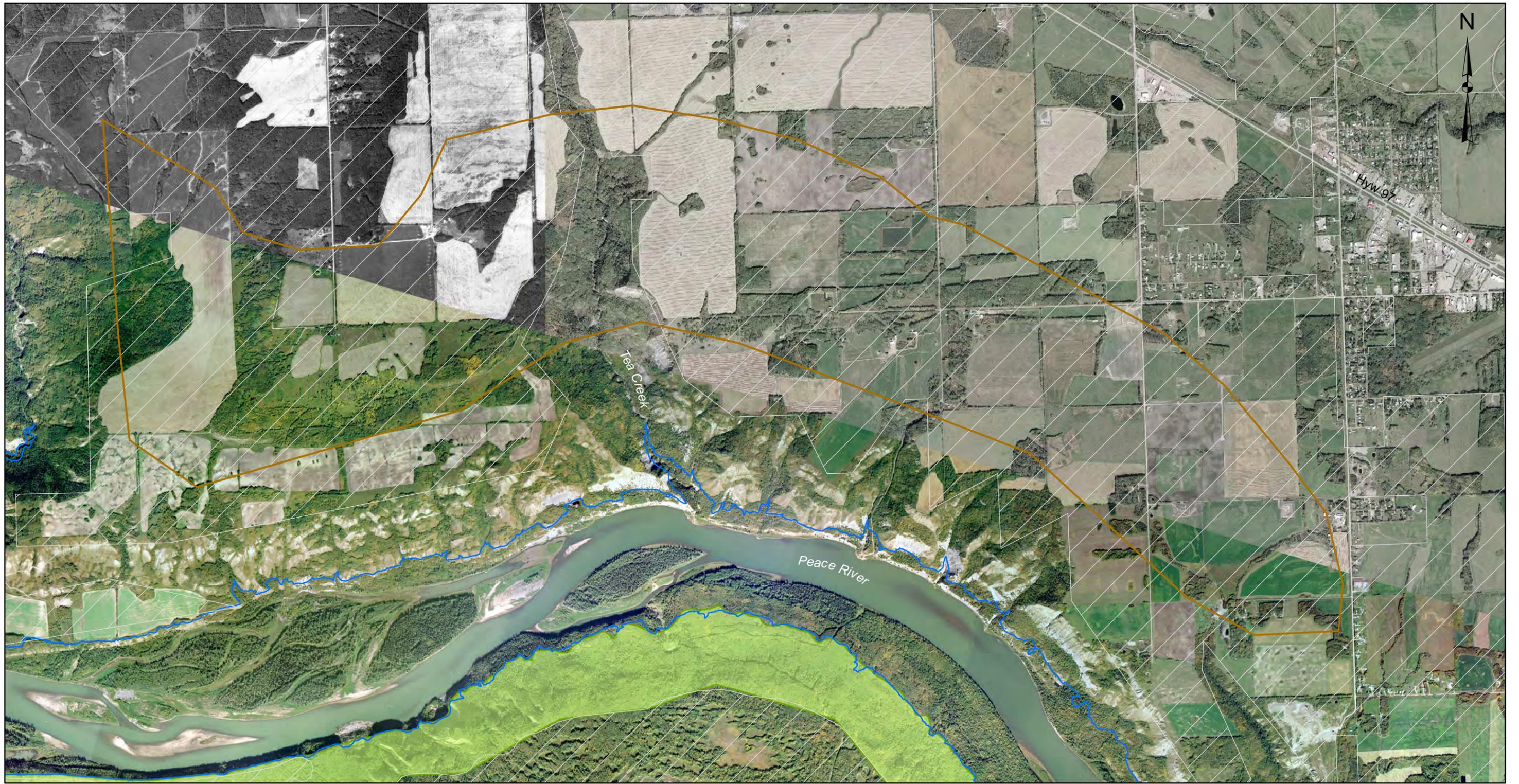
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BC Hydro

Climate Stations Overview
Map 1 of 3

| | | | | |
|------|---------------|--------|------------------|-----|
| Date | July 14, 2016 | DWG NO | 1016-C14-07330-1 | R 0 |
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Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

- Legend**
- Area to be Considered For Climate Station
 - Agricultural Land Reserve
 - Proposed Reservoir
 - Proposed Peace Boudreau Protected Area

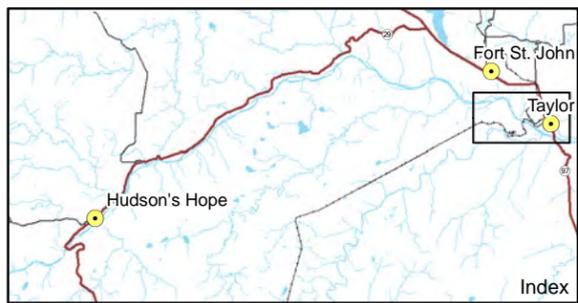
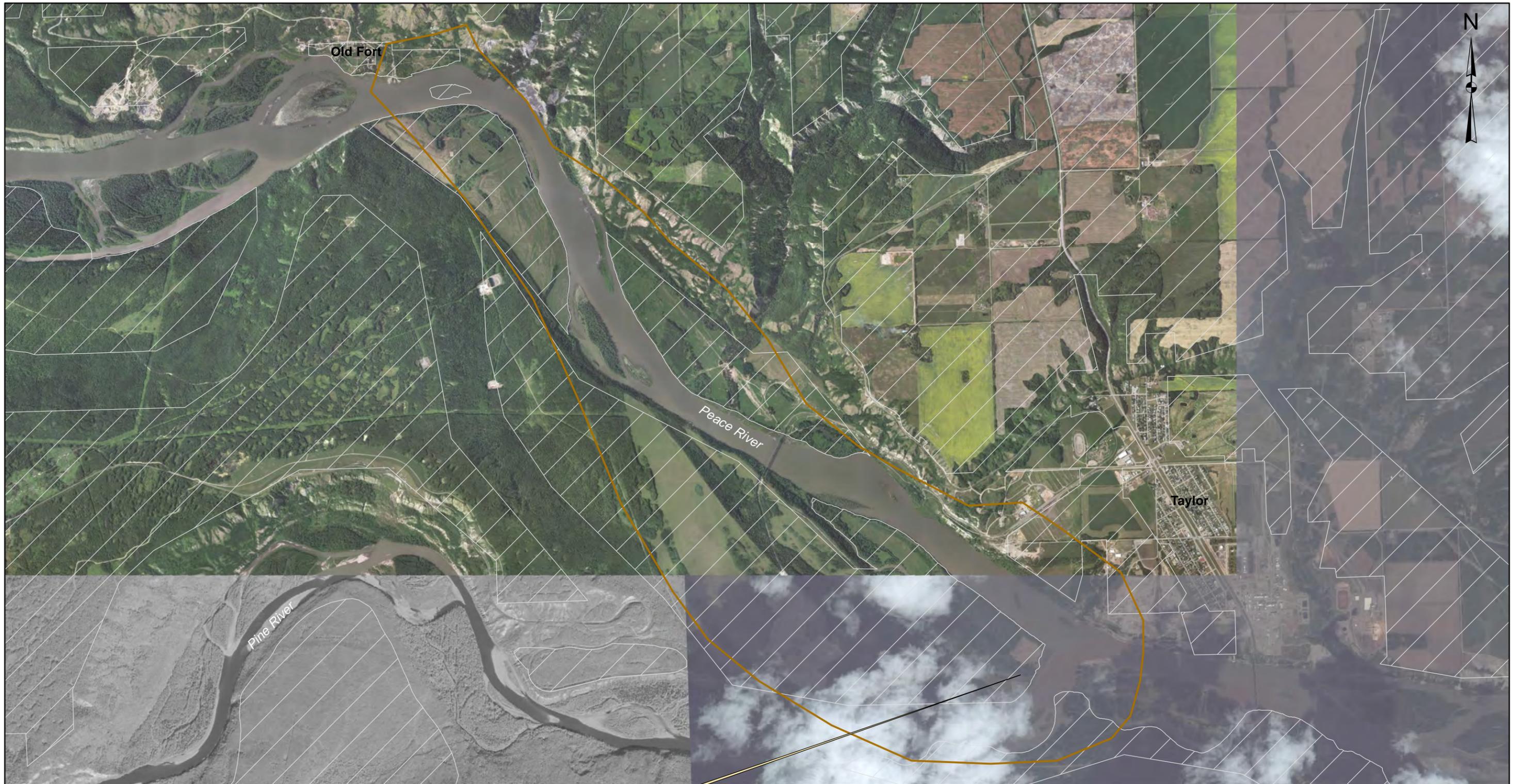
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BC Hydro

**Climate Stations-
Detail 1
Map 2 of 3**

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|------|---------------|--------|------------------|-----|
| Date | July 14, 2016 | DWG NO | 1016-C14-07330-2 | R 0 |
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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Imagery provided by ESRI.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

Legend

-  Area to be Considered For Climate Station
-  Agricultural Land Reserve

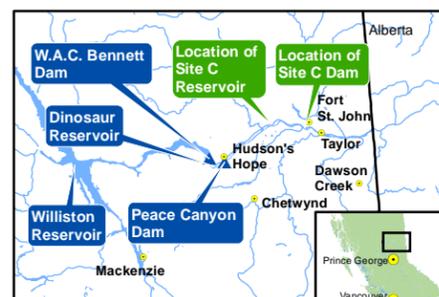
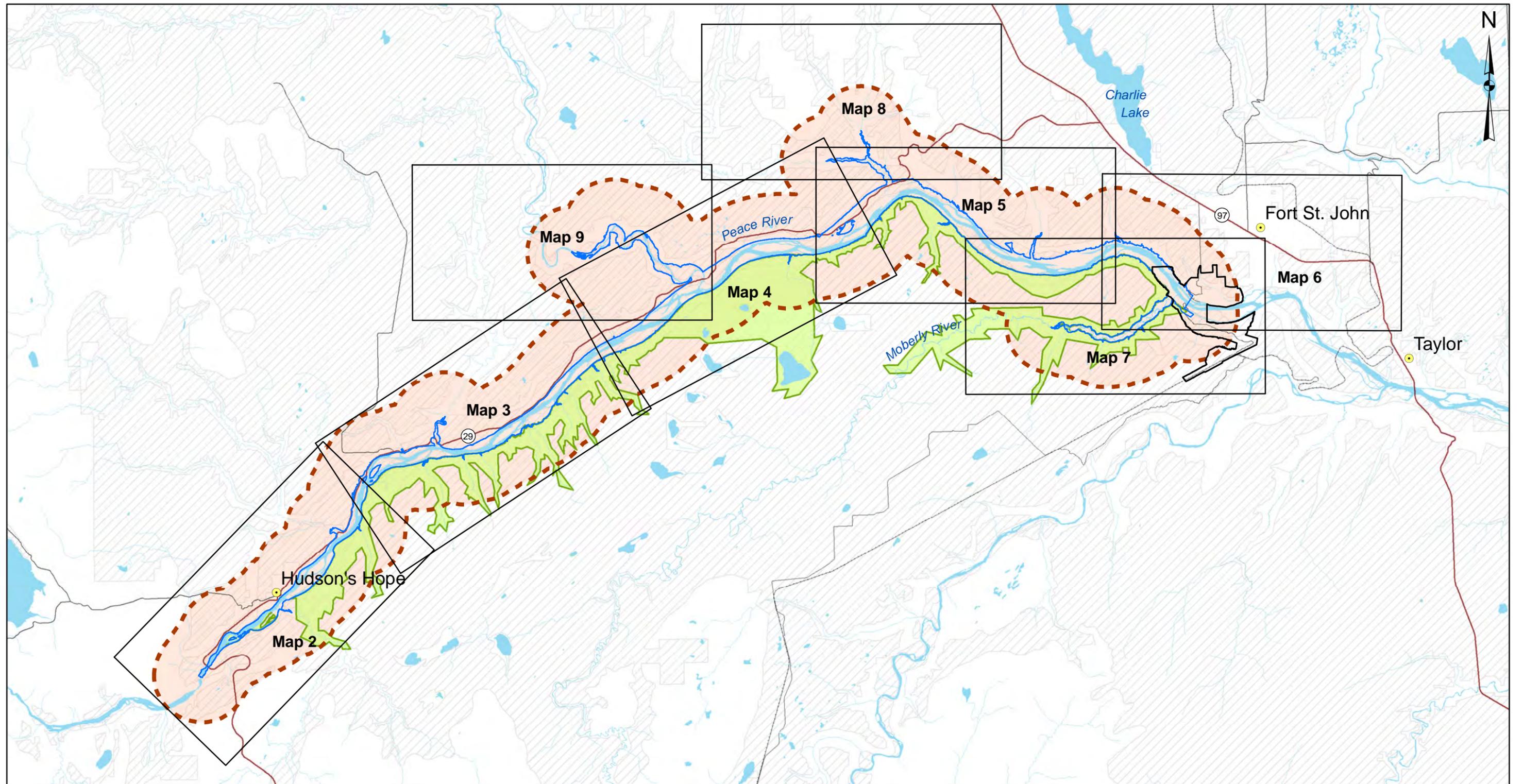
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**Climate Stations-
Detail 2
Map 3 of 3**

| | | | | |
|------|---------------|--------|------------------|-----|
| Date | July 14, 2016 | DWG NO | 1016-C14-07330-3 | R 0 |
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Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

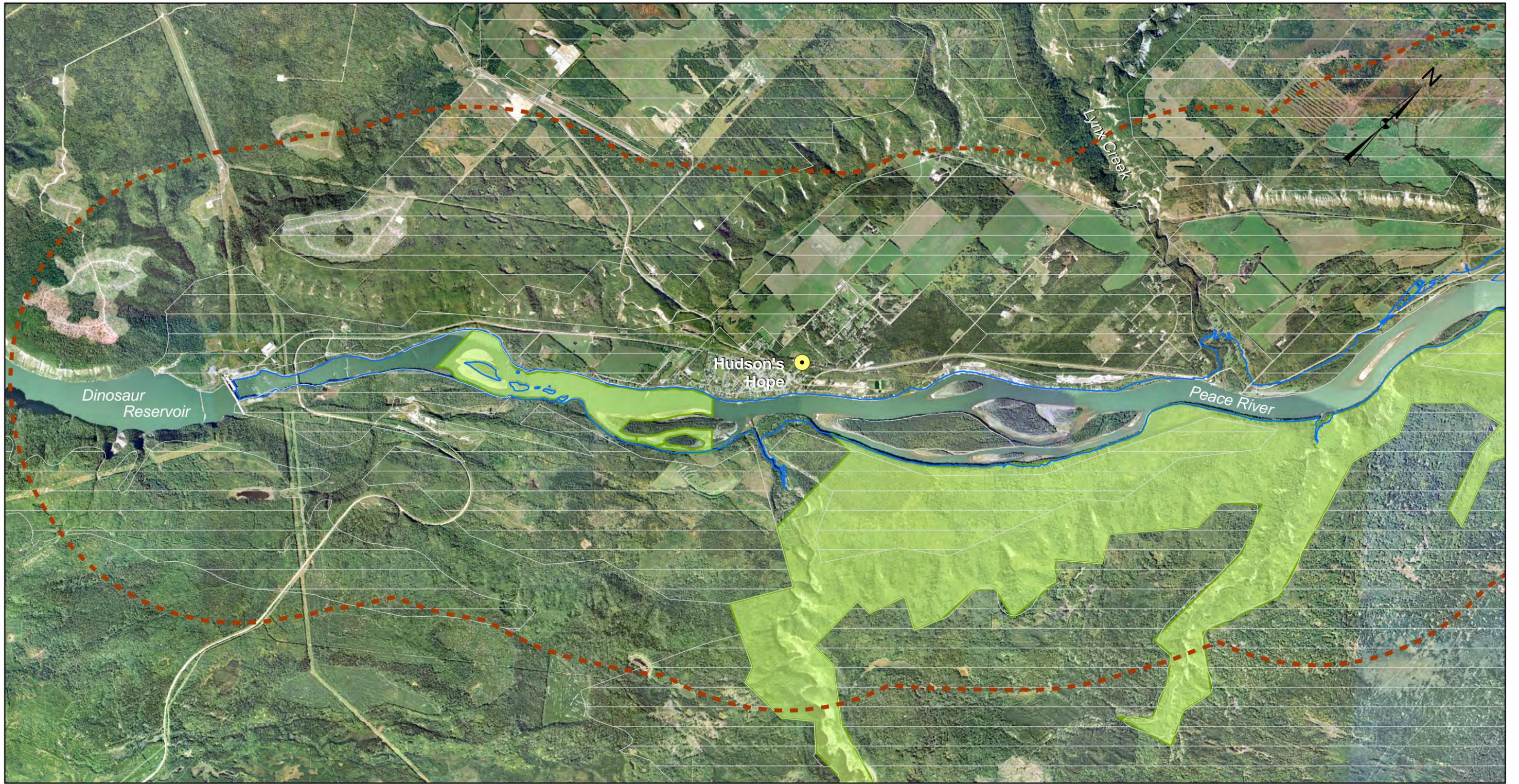
Legend

- Area to be considered for crop drying monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area
- Town
- Road
- Highway
- Railway

1:250,000 0 5 km

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| | | | |
| Crop Drying Monitoring Area Identification - Overview Map 1 of 9 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-1 R 0 |

Path: X:\AcGIS\Projects\Environment\Agriculture\Ag_3kmReservoirBoundary_Overview_1016_C14_07342-1.mxd



Map Notes:
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 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

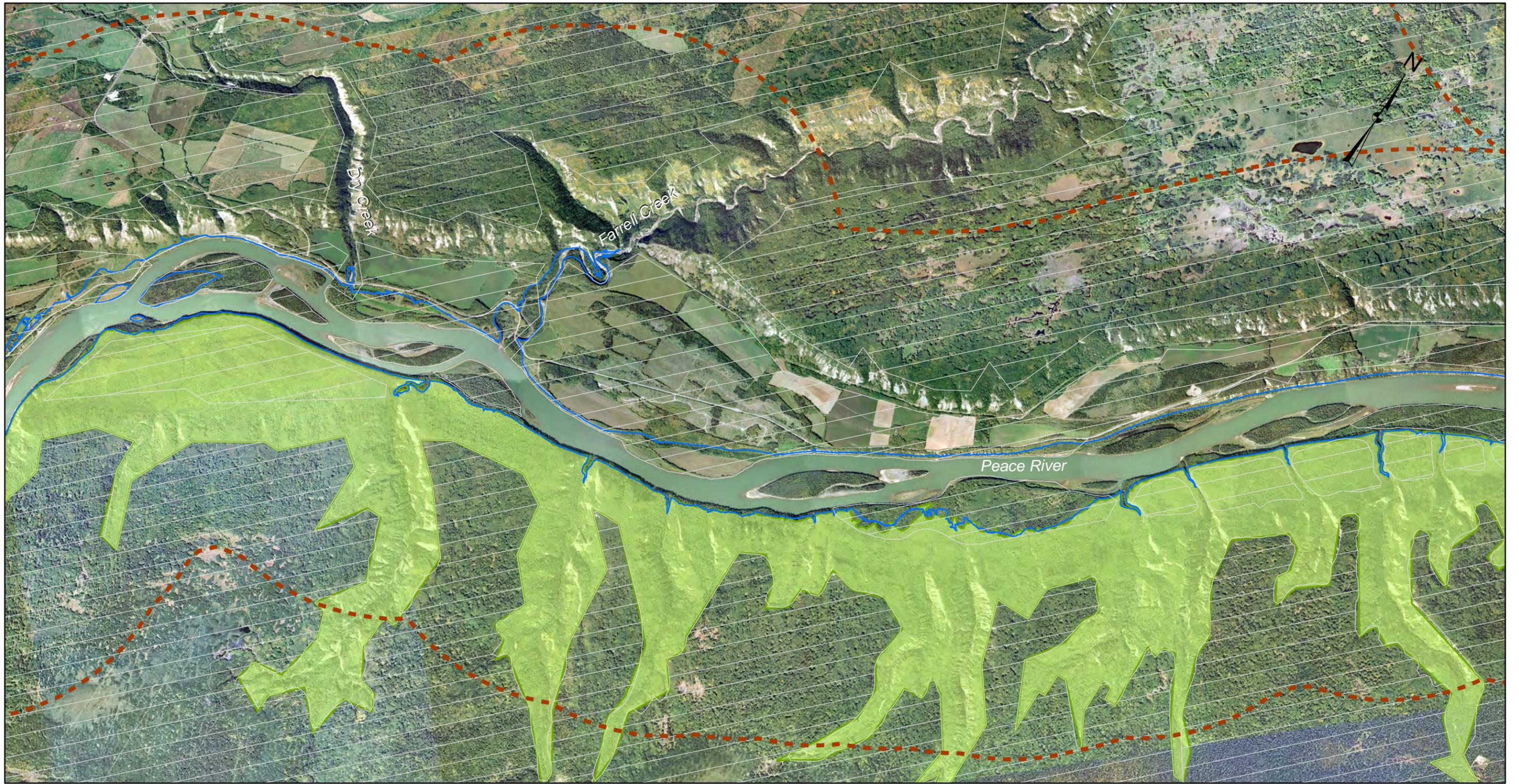
Legend

- Area to be considered for crop drying monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area

1:50,000 0 2 km

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| Crop Drying Monitoring - Area Identification | | | |
| Map 2 of 9 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-2 R 0 |

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Map Notes:
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 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

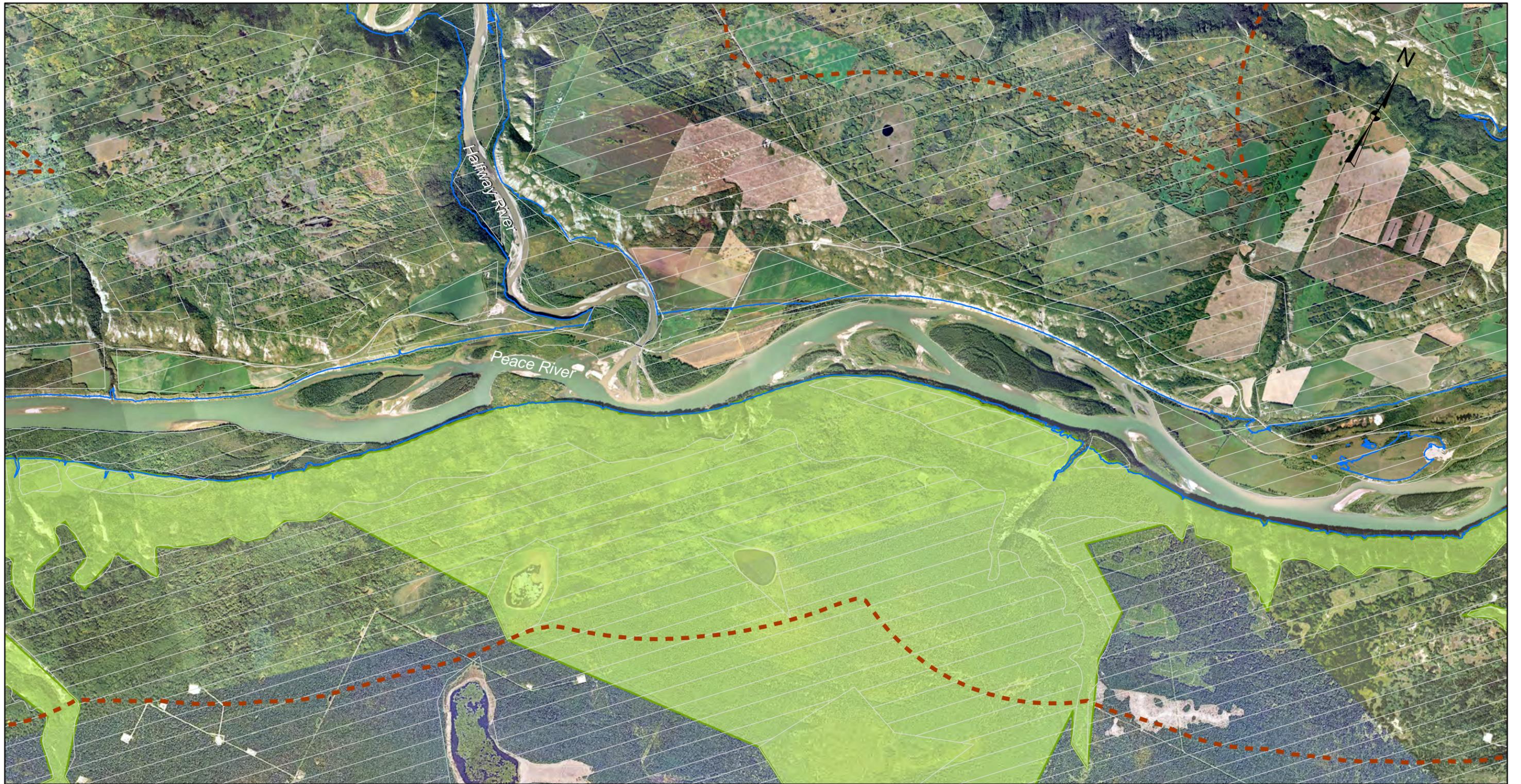
Legend

- Area to be considered for crop drying monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area

1:50,000 0 2 km

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|-----------------------------------------------------|---------------|--------|----------------------|
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| Crop Drying Monitoring - Area Identification | | | |
| Map 3 of 9 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-3 R 0 |

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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

Legend

- Area to be considered for crop drying monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area

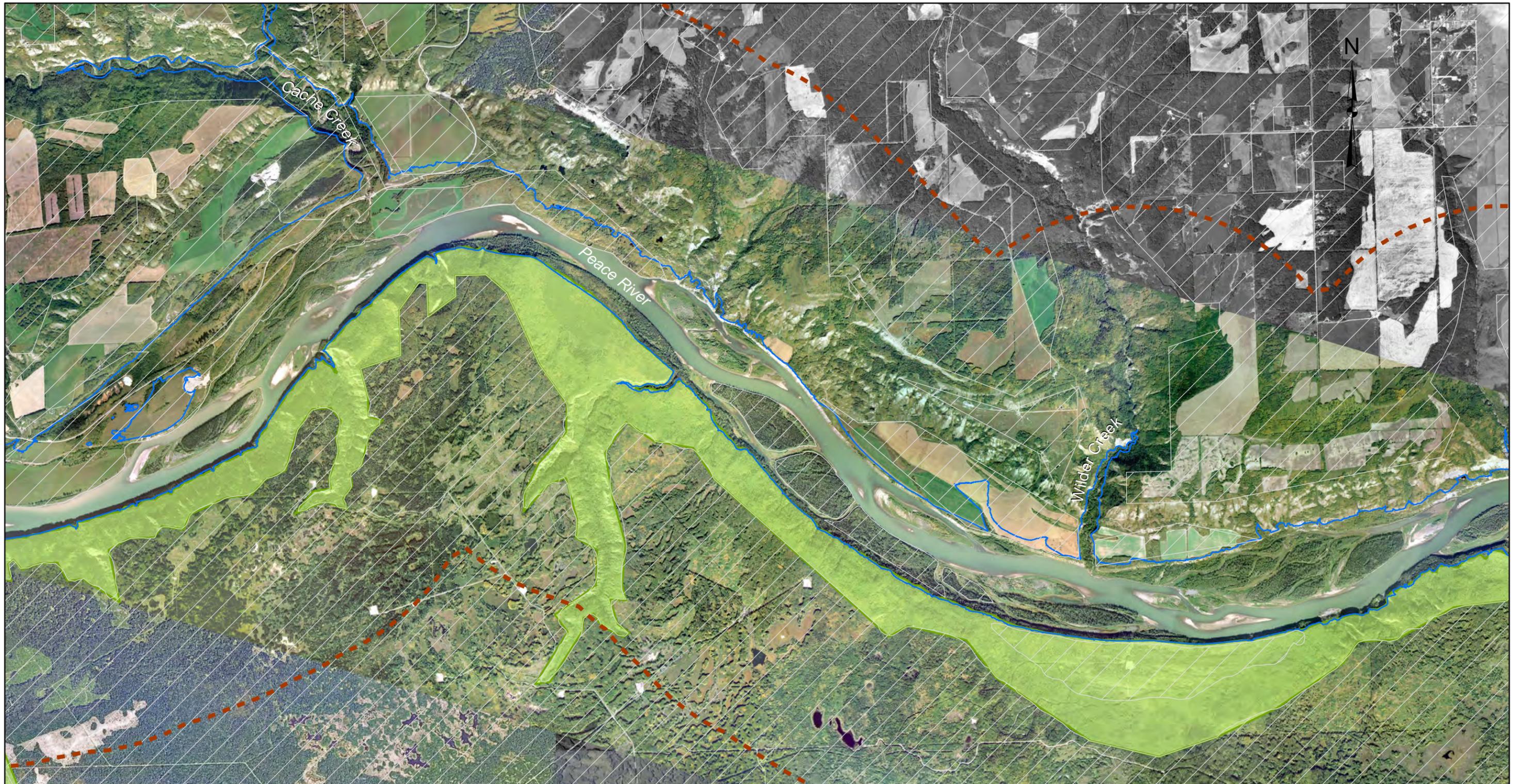
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Crop Drying Monitoring - Area Identification Map 4 of 9

| | | | | |
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| Date | July 14, 2016 | DWG NO | 1016-C14-07342-4 | R 0 |
|------|---------------|--------|------------------|-----|

Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.



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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

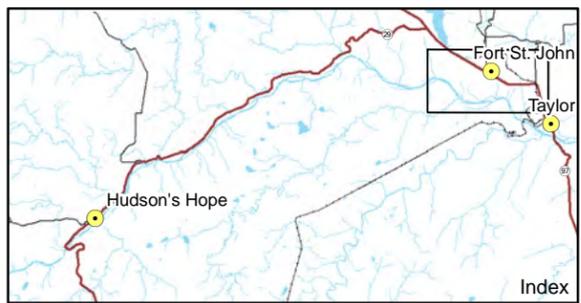
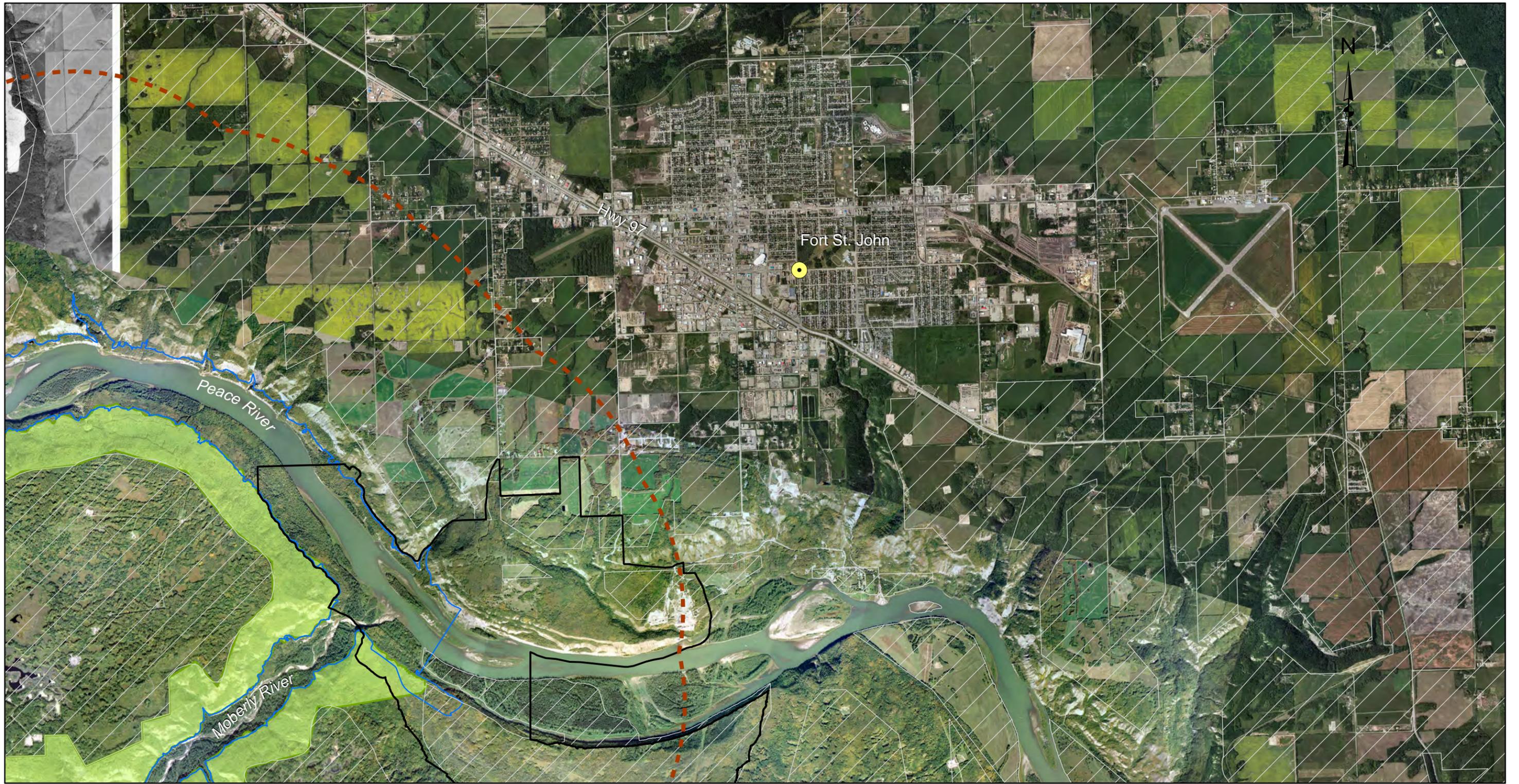
- Legend**
- Area to be considered for crop drying monitoring
 - Agricultural Land Reserve
 - Proposed Reservoir
 - Proposed Peace Boudreau Protected Area
 - Dam Site Area

1:50,000 0 2 km

BC Hydro

Crop Drying Monitoring - Area Identification
Map 5 of 9

| | | | | |
|------|---------------|--------|------------------|-----|
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-5 | R 0 |
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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

Legend

- Area to be considered for crop drying monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area

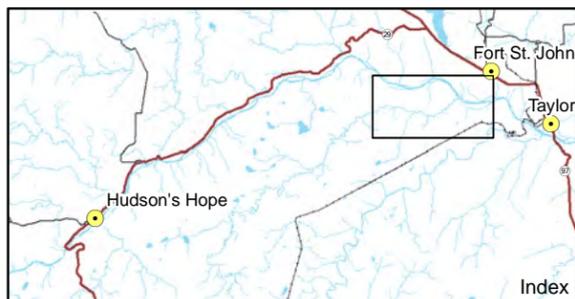
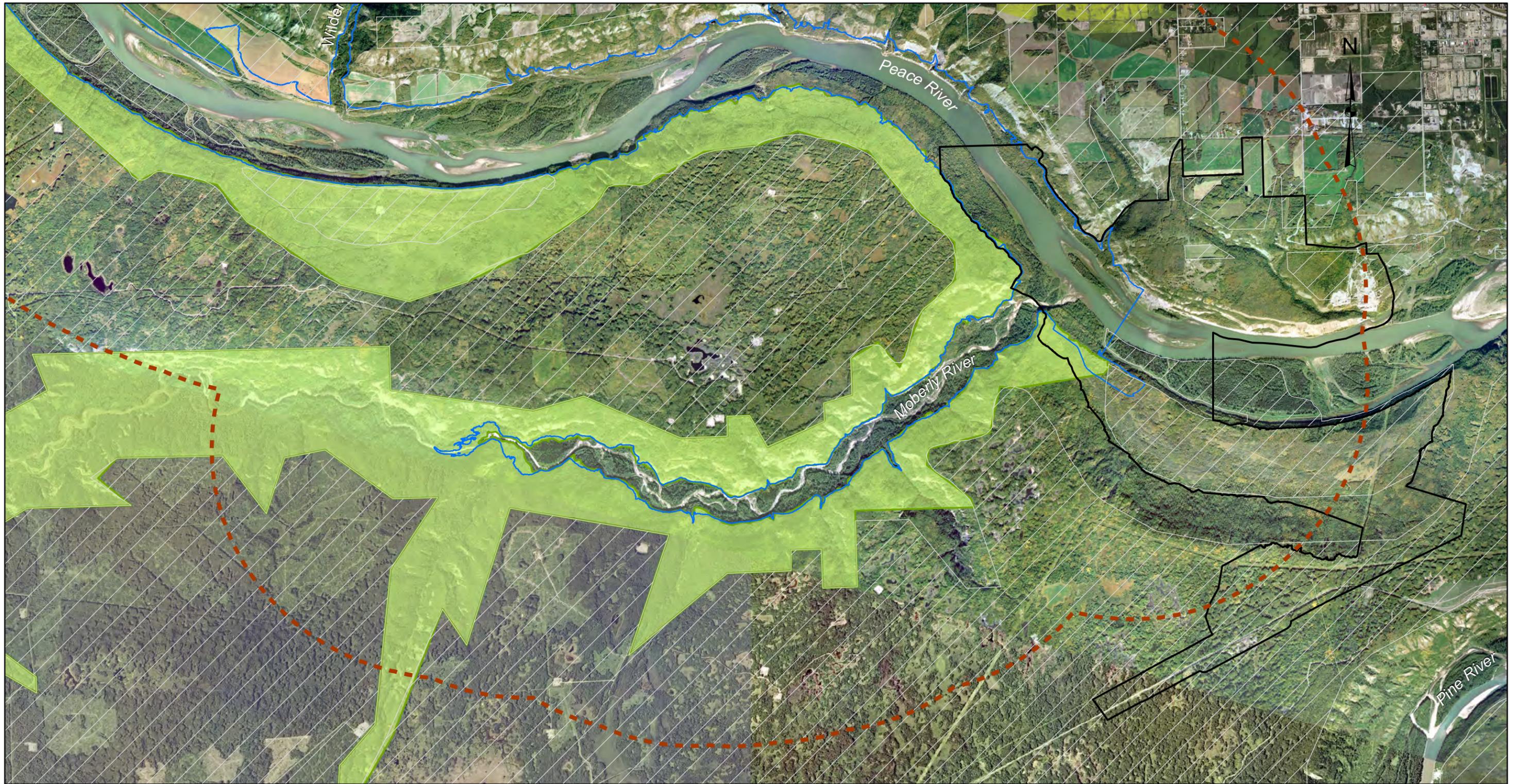
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Crop Drying Monitoring - Area Identification
Map 6 of 9

| | | | | |
|------|---------------|--------|------------------|-----|
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-6 | R 0 |
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Path: X:\acg\Projects\Environment\Agriculture\Ag_3kmReservoirBoundary_1016_C14_07342-2-5.mxd



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

Legend

- Area to be considered for crop drying monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area

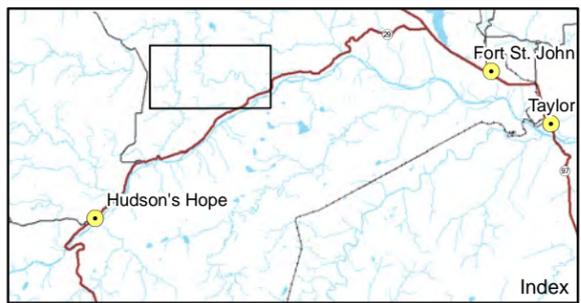
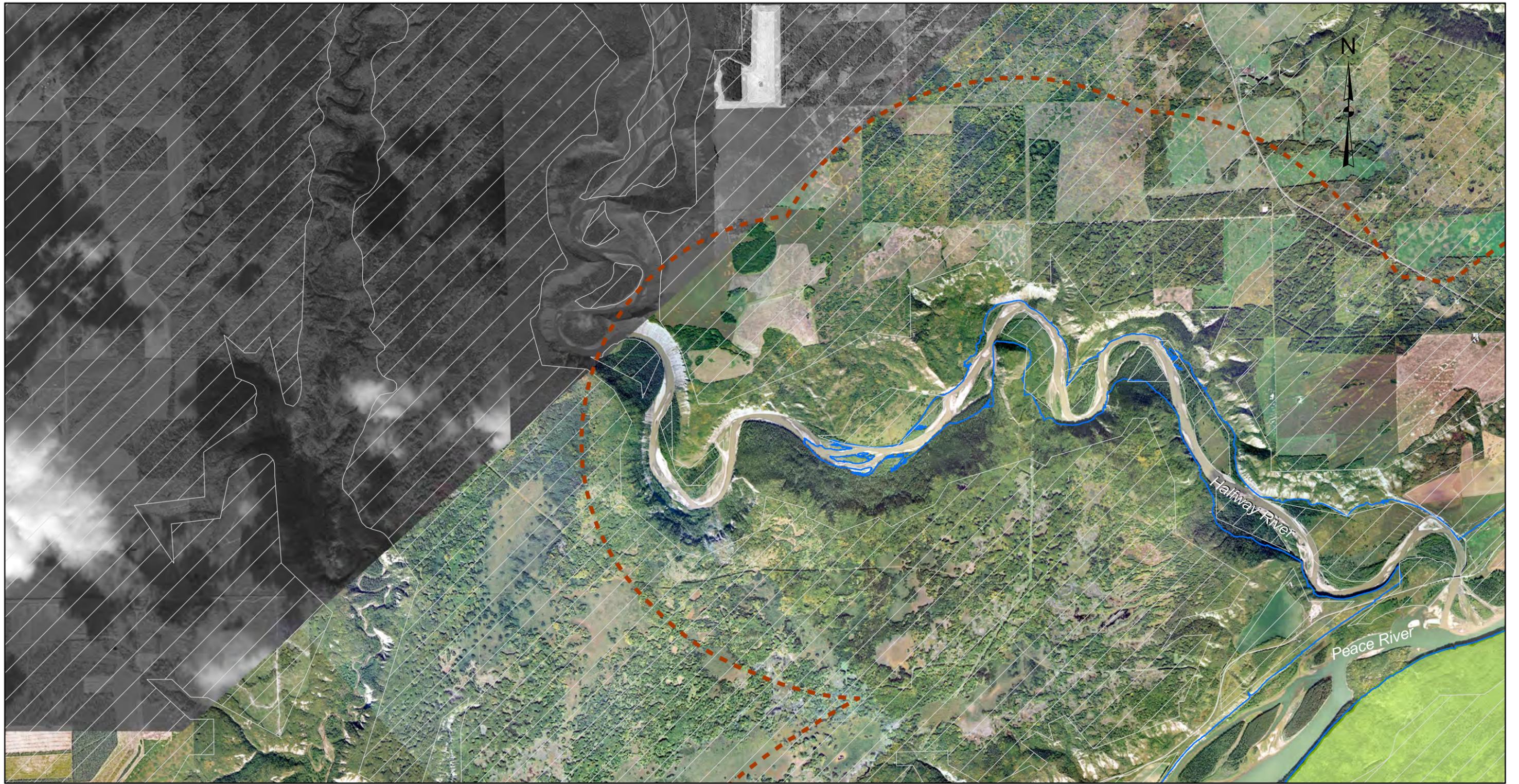
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Crop Drying Monitoring - Area Identification Map 7 of 9

| | | | | |
|------|---------------|--------|------------------|-----|
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-7 | R 0 |
|------|---------------|--------|------------------|-----|

Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

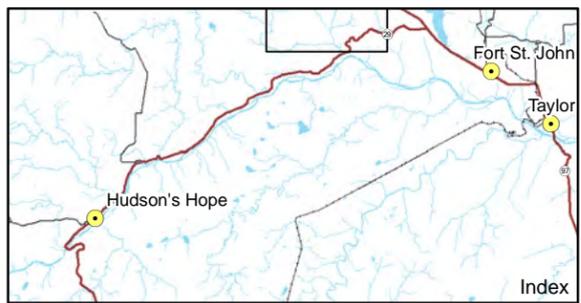
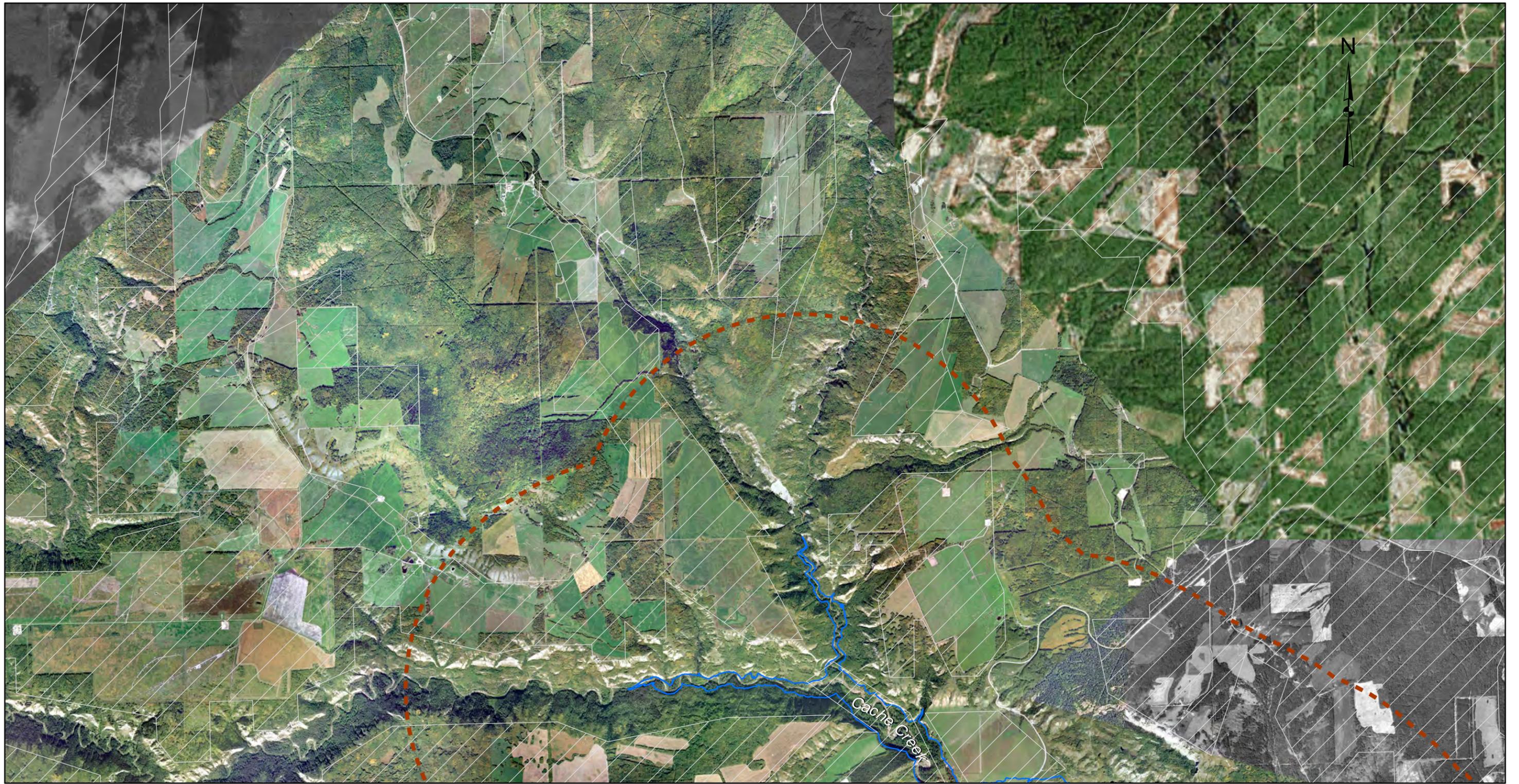
Legend

- Area to be considered for crop drying monitoring
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area
- Agricultural Land Reserve

1:50,000 0 2 km

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| | | | |
| Crop Drying Monitoring - Area Identification | | | |
| Map 8 of 9 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-8 R 0 |

Path: X:\AcGIS\Projects\Environment\Agriculture\Ag_3kmReservoirBoundary_1016_C14_07342-2-9.mxd



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

Legend

- Area to be considered for crop drying monitoring
- Agricultural Land Reserve
- Proposed Reservoir
- Proposed Peace Boudreau Protected Area
- Dam Site Area

1:50,000 0 2 km

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|-----------------------------------------------------|---------------|--------|----------------------|
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| Crop Drying Monitoring - Area Identification | | | |
| Map 9 of 9 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07342-9 R 0 |

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Appendix C. Monitoring Potential Groundwater Effects Plan

1. Introduction

The Site C Clean Energy Environmental Impact Statement (BC Hydro. 2013)(“EIS”) identifies changes to local hydrology and groundwater as a key indicator for agriculture (EIS Section 20, Table 20.3). EIS Section 20.3.2.2 (page 20-34, lines 7 to 19) states:

“The reservoir would result in rises in the groundwater elevation in areas near the reservoir and may affect agricultural land where the water table is anticipated to rise within 1 m of surface. Yields or the range of suitable crops may be affected on agricultural properties located on low terraces and banks near the proposed reservoir. However, since the majority of the cultivated lands within the local assessment area are located topographically above the proposed reservoir levels by greater than 1 meter, and in most cases by greater than 10 m, only limited effects related to water table rise are anticipated.”

In accordance with Environmental Assessment Certificate Condition No. 31, this study is intended to determine if there are reservoir induced changes to groundwater elevations on adjacent agricultural land which results in a negative effect on crop production. Condition No. 31 states:

“The Agriculture Monitoring and Follow-up Program must include monitoring for Project-induced changes to groundwater elevations within 2 km of the reservoir (the area potentially influenced by groundwater elevation changes), and evaluate associated effects on crop productivity. Monitoring must include field surveys and farm operator interviews.”

Data will be collected and evaluated to determine if crop productivity, including yield and limitations on cropping selection, in areas within 3 kms of the reservoir is potentially altered. The data to be collected will include:

- measured groundwater levels;
- observations of crop growth;
- measurements of soil moisture;
- climate data; and,
- information obtained from interviews with farm operators.

2. Methods

Study Location: The plan includes monitoring of Project-induced changes to groundwater elevations within 2 km of the reservoir. To assess any groundwater effects, areas which are less than 2 m above the reservoir full supply level have been identified within 2 km of the reservoir and groundwater impacts in these areas will be monitored.

Activities: Activities have included mapping, initial work on historical data review, baseline data collection, and preparation for field surveys and farm operator interviews, and consultation.

- Mapping: Groundwater monitoring area maps #1-5 include aerial orthophotography data and Agricultural Land Reserve (ALR) areas to support establishment of the monitoring plan (Maps included at the end of Appendix C)
- Historical Data Review: Areas of potential groundwater effects have been identified.
- Baseline Data Collection and Climate Station Management: For the groundwater monitoring plan, precipitation and soil moisture are the key parameters. Baseline data collection and climate station management is consistent with activities included in Appendix B monitoring plan.
- Preparations for field surveys, and farm operators interviews, and consultation: Planning for interviews with potentially affected farm operators will utilize mapping to identify appropriate farm operators for field surveys and interviews.

3. Results and Analysis

During the program establishment phase there are limited results or analysis required. In years one and two of the plan, annual reports will provide a summary of activities including baseline data review, selection of monitoring sites for field surveys and preparation for farm operator interviews.

4. Next Steps

From January 2016 to December 2017 baseline data will be reviewed, including observations of crop growth and soil moisture conditions in potentially affected areas. Selection of monitoring sites for field surveys may include ground truthing. A questionnaire will be developed to gather the following information:

- Drainage: perceptions on growing conditions and variability
- Crop and soil type
- Crop productivity (yield and variability).

Farm operators in these areas and producer groups will be identified and invited to participate in annual interviews, and assist in determination of field survey locations.

Efforts will be made to collaborate with associations, producer groups and government agencies that may have data or local knowledge related to this monitoring plan

The full monitoring plan implementation, including field work, interviews, and data interpretation will be completed over 10 years, commencing 5 years prior to reservoir filling and ending 5 years after reservoir filling.

5. References

BC Hydro. 2013. Site C Clean Energy Project Environmental Impact Statement. Dated January 25, 2013; Amended August 2, 2013.

BC Hydro. 2013. Site C Clean Energy Project Environmental Impact Statement. Dated January 25, 2013; Amended August 2, 2013. Volume 3, Section 20 Agriculture. Subsection 20.3 Mitigation Measures.

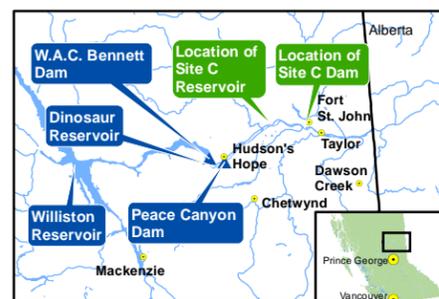
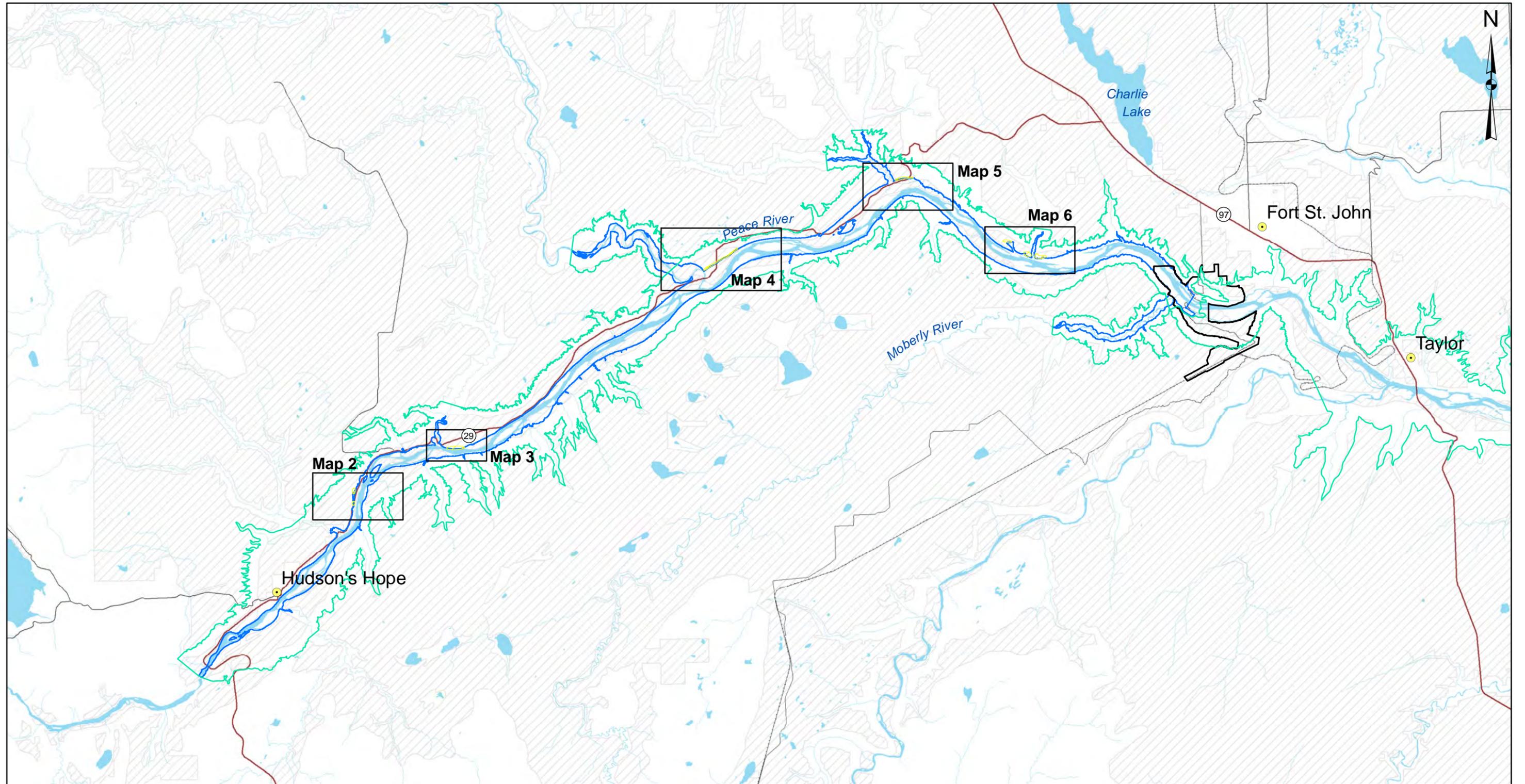
BC Hydro. 2013. Site C Clean Energy Project Environmental Impact Statement. Dated January 25, 2013; Amended August 2, 2013. Volume 3, Appendix D Agricultural Assessment Supporting Documentation.

RWDI Air Inc (2015), Site C Climate & Air Quality Monitoring Annual Report 2014, Final. August 26, 2015

RWDI Air Inc (2016), Site C Climate & Air Quality Monitoring Annual Report 2015, Final. June 9, 2016.

Appendix C Maps

Groundwater monitoring area maps #1-5



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

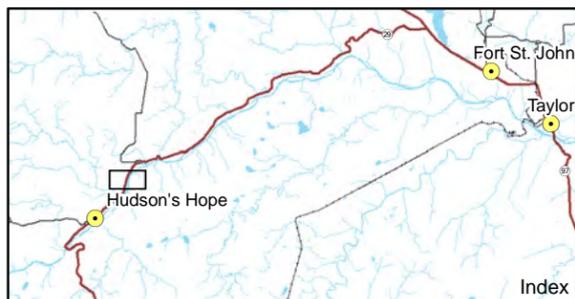
Legend

- Groundwater Monitoring Area
- Peace River and Tributary Valleys Definition
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve
- Town
- Road
- Highway
- Railway

1:250,000 0 5 km

| | | | |
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| | | | |
| Groundwater Monitoring Areas Overview | | | |
| Map 1 of 6 | | | |
| Date | July 14, 2016 | DWG NO | 1016-C14-07345-1 R 0 |

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Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

Legend

- Groundwater Monitoring Area
- Peace River and Tributary
- Valleys Definition
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve

1:15,000 0 0.5 km



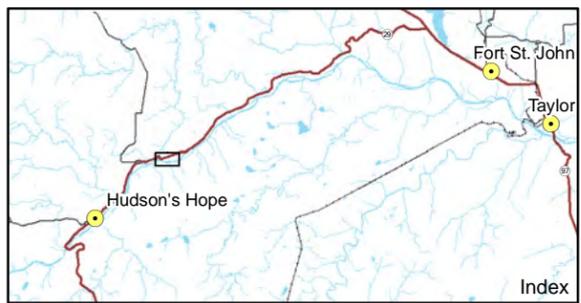
Groundwater Monitoring Areas Map 2 of 6

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|------|---------------|--------|------------------|-----|
| Date | July 14, 2016 | DWG NO | 1016-C14-07345-2 | R 0 |
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Fairwell Creek



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

Index

Legend

- Groundwater Monitoring Area
- Peace River and Tributary
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve

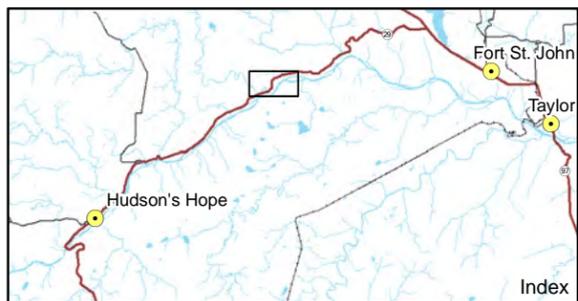
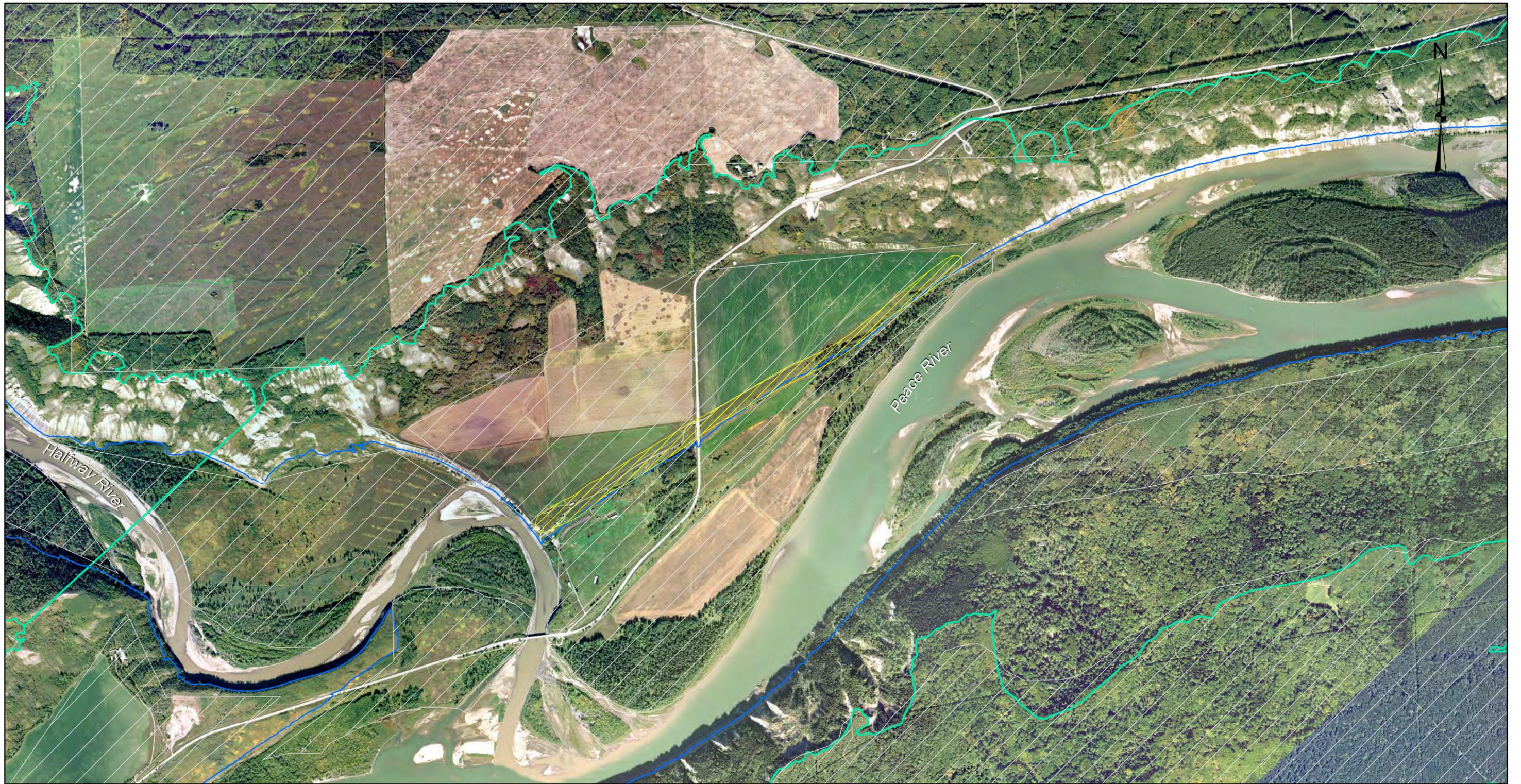
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**Groundwater Monitoring Areas
 Map 3 of 6**

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| Date | July 14, 2016 | DWG NO | 1016-C14-07345-3 | R 0 |
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Map Notes:
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 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

- Legend**
- Groundwater Monitoring Area
 - Peace River and Tributary
 - Valleys Definition
 - Proposed Reservoir
 - Dam Site Area
 - Agricultural Land Reserve

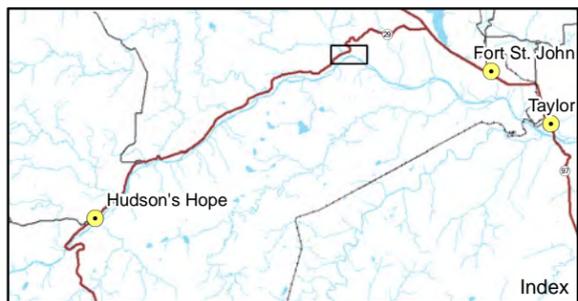
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**Groundwater Monitoring Areas
 Map 4 of 6**

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| Date | July 14, 2016 | DWG NO | 1016-C14-07345-4 | R 0 |
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Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.



Map Notes:
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 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

- Legend**
- Groundwater Monitoring Area
 - Peace River and Tributary
 - Valleys Definition
 - Proposed Reservoir
 - Dam Site Area
 - Agricultural Land Reserve

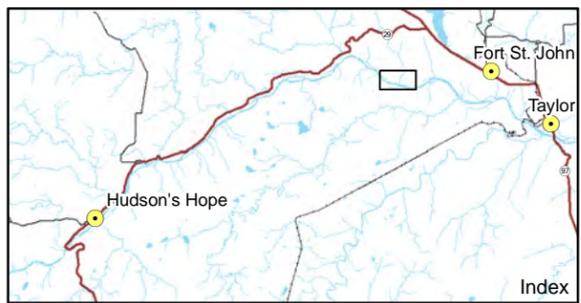
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**Groundwater Monitoring Areas
 Map 5 of 6**

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| Date | July 14, 2016 | DWG NO | 1016-C14-07345-5 | R 0 |
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Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.



Map Notes:
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 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept. 10th 2007, TRIM.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.

Legend

- Groundwater Monitoring Area
- Peace River and Tributary
- Valleys Definition
- Proposed Reservoir
- Dam Site Area
- Agricultural Land Reserve

1:15,000 0 0.5 km



**Groundwater Monitoring Areas
Map 6 of 6**

| | | | | |
|------|---------------|--------|------------------|-----|
| Date | July 14, 2016 | DWG NO | 1016-C14-07345-6 | R 0 |
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Appendix D. Monitoring to Estimate Irrigation Water Requirements Plan

1. Introduction

The Site C Clean Energy Environmental Impact Statement (BC Hydro, 2013) (“EIS”) Section 20.3.4.1.2 identifies irrigation improvements as a potential mitigation measure for the permanent loss of agricultural land. Lines 25 to 27, page 20-42, of this section states “Irrigation research, demonstration projects, and funding assistance for irrigation water supply infrastructure will be considered within the proposed agricultural compensation fund.”

Environmental Assessment Condition No. 31 states “the Agriculture Monitoring and Follow-up Program must include monitoring for climatic factors to estimate moisture deficits and to estimate irrigation water requirements in the vicinity of the reservoir to provide information for potential future irrigation projects. Data collection will be undertaken before reservoir filling, and in the 5 years after reservoir filling, and data will be reviewed as required for proposed irrigation projects.”

In accordance with Condition No. 31, this study will monitor climate data and estimate irrigation water requirements. The objective of this monitoring program is to collect and analyse climate data to generate estimates of irrigation water requirements.

2. Methods

Study Location: The study areas is agricultural operations within 3 km of the reservoir. The plan will rely on climate station installation, maintenance, and data collection tasks carried out in the Monitoring of Reservoir Induced Effects on Crop Drying Plan. (Appendix B).

Activities: Activities have included coordination of data needs with Monitoring of Reservoir Induced Effects on Crop Drying (Appendix B), mapping, baseline data collection and climate station siting, and consideration of consultation input.

- Mapping: Maps in support of this plan are included in Monitoring of Reservoir Induced Effects on Crop Drying Plan, Appendix B.
- Baseline Data Collection and Climate Station Management: Coordination with Monitoring of Reservoir Induced Effects on Crop Drying Plan (See Appendix B) to ensure all parameters required for this plan are included in climate station siting and network upgrades. The fall site visit to finalize locations for two additional climate stations being coordinated under Monitoring Plan B will support the irrigation monitoring plan’s data needs.
- Consultation: Irrigation was a topic of discussion and included in numerous submissions on the consultation with regional agricultural producers and associations on the Framework for

Agricultural Mitigation and Compensation. Content relevant to irrigation was considered and will be retained for application to this plan.

3. Results and Analysis

During the program establishment phase there are limited results or analysis required. The climate stations are collecting information that will provide baseline information to support future analysis.

4. Next Steps

From April 2016 to December 2017 baseline climate data will be reviewed. The existing climate station network will be upgraded and expanded between January 2016 to December 2017, as described in Monitoring of Reservoir Induced Effects on Crop Drying (Appendix B). Climate data collected by the existing climate stations will provide baseline data, and will begin being reviewed in 2017.

Efforts will be made to collaborate with associations, producer groups and government agencies that may have data or local knowledge related to this monitoring plan, such as the BC Grain Producers Association which has funded a study “Evaluation of Irrigation Potential in the BC Peace Region”.

In the 5 years pre and post-reservoir filling, complete summaries of the collected data from the new and existing BC Hydro climate stations will be analyzed annually to estimate irrigation water requirements.

5. References

BC Grain Producers Association (2015) “Peace – Evaluation of Irrigation Potential in the BC Peace Region” Available at: http://www.bcgrain.com/Current_Projects.html. Accessed: December 2015.

FAO. (1998). Crop Evapotranspiration – Guidelines for Computing Crop Water Requirements. Rome: Food and Agriculture Organization of the United Nations – Paper 56.

BC Hydro. 2013. Site C Clean Energy Project Environmental Impact Statement. Dated January 25, 2013; Amended August 2, 2013.

Appendix E. Climate Station Information

Table 1: Periods of Operation - Climate Stations Supporting the AMAFP

| Monitoring Station | Period of Operation |
|-----------------------------------------------|---------------------|
| Upper Attachie | 2011 - Present |
| Attachie Plateau | 2010 - Present |
| Bear Flat | 2010 - Present |
| Farrell Creek | 2009 - Present |
| Site C Dam | 2010 - Present |
| New Climate Station - Taylor | 2017 - Future |
| New Climate Station - Plateau above Tea Creek | 2017 - Future |
| Fort St John Airport (EC) | 1942 - Present |

Table 2: Locations & Elevations of Climate Stations Supporting the AMAFP

| Station | UTM NAD 83 (m) | Latitude, Longitude (decimal degrees) | Elevation (m) |
|-----------------------|---------------------|---------------------------------------|---------------|
| Upper Attachie | 597983 E, 6232938 N | 56.23N, -121.41W | 479 |
| Attachie Plateau | 595065 E, 6233032 N | 56.23N, -121.46W | 645 |
| Bear Flat | 610669 E, 6238135 N | 56.27N, -121.21W | 474 |
| Farrell Creek | 580779 E, 6220238 N | 56.12N, -121.70W | 471 |
| Site C Dam | 629517 E, 6230875 N | 56.20N, -120.91W | 607 |
| Fort St. John Airport | 640053 E, 6234872 N | 56.24N, -120.74W | 695 |

Table 3: Climate Station Parameters Supporting the AMAFP

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> air temperature humidity precipitation solar radiation wind speed wind direction | <ul style="list-style-type: none"> barometric pressure net radiation soil temperature soil heat flux soil water content |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Full reports including tabular summaries of the agricultural monitoring parameters are included in the 2014 and 2015 Site Climate and Air Quality Monitoring Annual reports.

References:

- RWDI Air Inc (2015), Site C Climate & Air Quality Monitoring Annual Report 2014, Final. August 26, 2015.
- RWDI Air Inc (2016), Site C Climate & Air Quality Monitoring Annual Report 2015, Final. June 9, 2016.