

**WELCOME TO THE
Aspen Solar and
Energy Storage Project
Open House**

PLEASE SIGN-IN

About Recurrent Energy

**RECURRENT
ENERGY**
A subsidiary of Canadian Solar



Recurrent Energy is a leading global developer, owner, and operator of solar and energy storage projects.

Recurrent Energy has successfully developed 9 GW of operating utility-scale solar projects and 3 GW of energy storage projects across six continents.

Recurrent Energy is currently developing several large-scale solar and storage projects in Canada, with a total Canadian pipeline of 550 MW.

Recurrent Energy is a wholly owned subsidiary of Canadian Solar Inc. and functions as Canadian Solar's global development and power services business.

Delivering clean, reliable, and affordable power to the world, today and tomorrow.

Indigenous Commitment Statement

We are committed to building positive, collaborative, and sustainable relationships with Indigenous nations and communities who are affected by our project development efforts. In support of this commitment, we will meaningfully engage with Indigenous communities to better understand traditional land and resource uses and explore opportunities for mutual benefit with Indigenous communities throughout the development of the Project.

INCLUDING:

- Developing, constructing, and operating the Project with a dedication to the safety of the human and natural environment
- Initiating and completing early engagement with Indigenous Nation communities
- Seeking to understand and incorporate traditional Indigenous knowledge and perspective to help us minimize impacts on the environment and traditional Indigenous land uses
- Striving to understand the diverse interests of Indigenous people in relation to project operations
- Seeking and considering opportunities for mutual benefit with Indigenous Nation communities
- Increasing generation of clean and affordable power for Indigenous Nation communities
- Supporting Indigenous candidates in gaining employment with Recurrent and increasingly becoming a part of our workforce

About the Project

PROJECT DEVELOPER:

Aspen BC Solar Project Limited Partnership,
a subsidiary of Recurrent Energy

RENEWABLE RESOURCE:

Solar Energy

PROJECTED CAPACITY:

Approximately 100 MW solar and up to 400 MWh
battery energy storage

ESTIMATED BC HOMES POWERED:

Approximately 20,000 annually

PROJECT ACREAGE:

Approximately 700 acres

LOCATION:

Southern Interior Region of BC

INTERCONNECTION:

System Impact Study in progress with BC Hydro

Earliest Construction Start Date:

Q4 2025

Target Operation Date:

Q4 2026

PROJECT BENEFITS:

- Indigenous communities have the opportunity to join us as long-term 50/50 equity partners in the Project
- The Project is expected to create approximately 180 construction jobs during peak construction as well as 2 full-time jobs and 13 part-time jobs during operations
- The Project will supply dependable electricity to meet the electricity demand of industrial, commercial and residential customers in the region
- The Project will increase season energy security and reliability to the people of the BC Southern Interior
- The Project will be summer peaking and therefore complementary to other generations resources in the region, which peak at different times of the year
- The Project will generate no emissions and minimal traffic and will have a lower noise profile than other industrial uses
- The Project will result in a reduction of the region's production of carbon and other harmful emissions and the significant associated health benefits that result therefrom
- The Project is expected to have a 40-year lifespan and will be decommissioned at the end of its operational life and the land returned to its original condition

Project Design and Components

PV modules will be mounted above ground on a steel single-axis tracking system array supported by steel piles, or similar alternatives, driven into the ground. The automatic tracking system tilts the module array from east to west to follow the daily solar path.

A substation that steps up the voltage from 34.5 kV to 138 kV and a battery energy storage system.

Transmission right of way and transmission lines to connect to the existing BC Hydro transmission corridor which is approximately 5 km west of the Aspen Solar Project area.



Project Design and Components Cont.

Additional Project components and infrastructure could include the following:

- Office laydown and parking area;
- Project fencing for safety and security;
- Permanent solar meteorological sensors;
- Offsite operations centre; and
- Temporary construction laydown areas, temporary buildings, and associated facilities.



Project Location



- The Project is located on Crown land approximately 50 km southeast of Merritt and south of Highway 97C within the boundaries of the Thompson-Nicola Regional District.
- The Project is located within the traditional and unceded territory of the Nlaka'pamux and Syilx Nation peoples.
- The current proposed Project area is within the boundaries of BC Crown Land Solar Investigative License and License of Occupation BC File Number 3412969 and spans an estimated area of 335 ha, only 40% of the tenured area.

Project Schedule

PHASE 1: CONSTRUCTION

- Construction of the Project is expected to last for approximately one year.

PHASE 2: OPERATIONS AND MAINTENANCE

- The Project will include the operation of the solar modules and battery energy storage system(s) for the transfer and storage of energy and general maintenance of infrastructure.

PHASE 3: DECOMMISSIONING

- The Project is expected to have a 40-year life span and will be decommissioned at the end of its operational life and the land reclaimed.



Potential Project Effects

- The Project is in the preliminary design stage and continued environmental, cultural, and archaeological studies will be conducted throughout the Environmental Assessment process.
- There are potential environmental and socio-economic effects which could potentially occur from the construction, operations and maintenance, and decommissioning of the Project.
- Specific management plans will be developed which will provide guidelines and best management practices to implement during all phases of the Project to help meet requirements of necessary legislation, regulations, and policies and to reduce the potential effects of the Project.
- Additional permitting and regulatory conditions would address potential project effects.



Potential Project Effects Cont.

VALUED COMPONENTS

Biological Environment

- Air Quality
- Aquatic Resources
 - Fish and Fish Habitat
 - Wetlands
 - Surface Water and Groundwater
- Terrestrial Resources
 - Vegetation
 - Wildlife and Wildlife Habitat
 - Species at Risk and Critical Habitat
- Noise

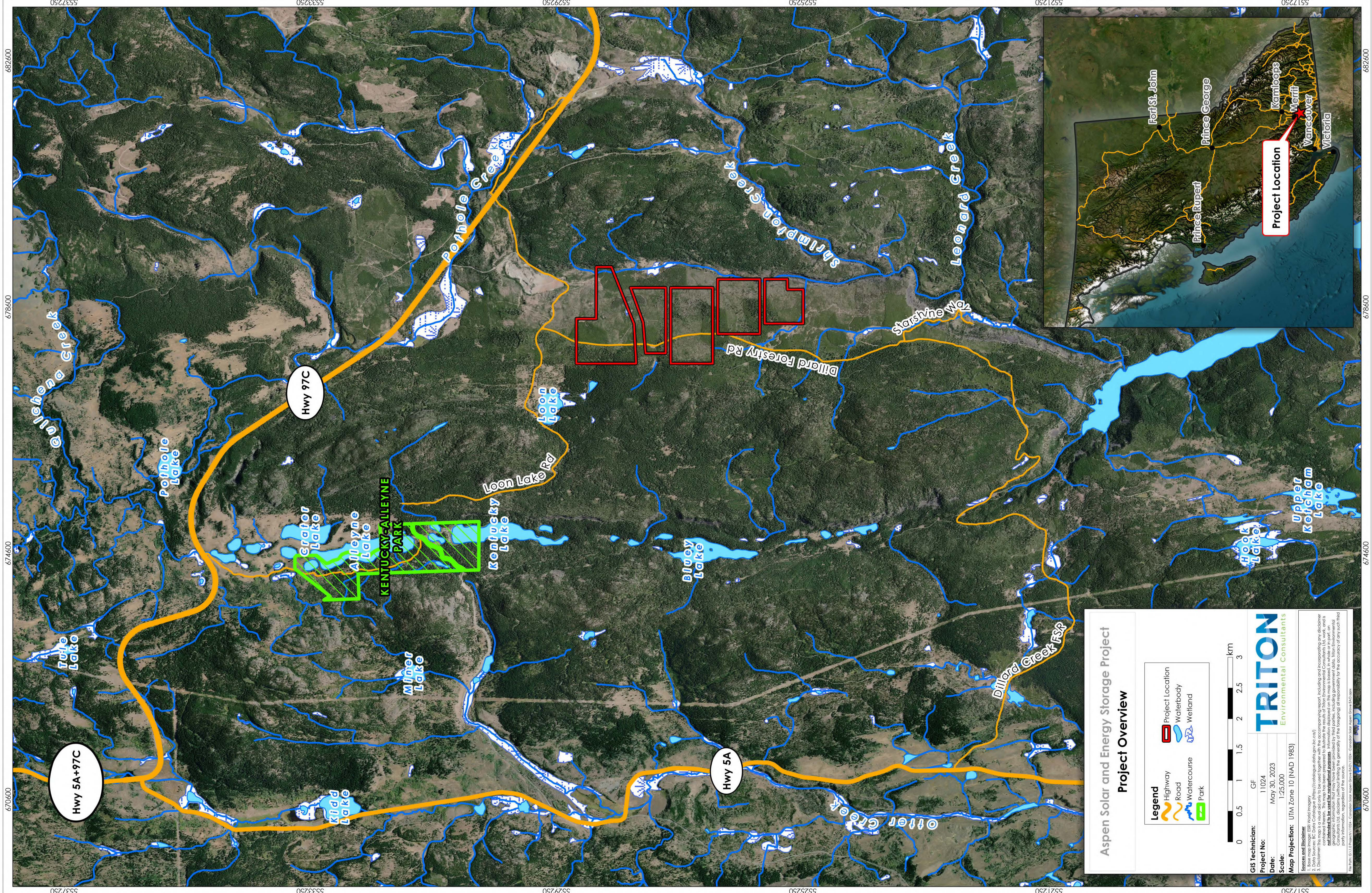
HUMAN ENVIRONMENT

- Indigenous Interests
- Land and Resource Use
- Archaeological and Heritage Resources
- Community Services
- Community Infrastructure
- Visual and Aesthetics
- Human Health and Safety
 - Air quality
 - Water quality
 - Noise
 - Economy
 - Employment
 - Local community amenities

Thank you for your interest in the Aspen Solar and Energy Storage Project

Share your feedback at gov.bc.ca/EA0PublicComment

For more information, please contact: Aspen BC Solar Project Limited Partnership aspensolar@canadiansolar.com



Aspen Solar and Energy Storage Project Project Overview

Legend	Project Location
Highway	Waterbody
Road	Wetland
Watercourse	Park

0 0.5 1 1.5 2 2.5 3 km

GIS Technician: GF
Project No: 11024
Date: May 30, 2023
Scale: 1:25,000
Map Projection: UTM Zone 10 (NAD 1983)

TRITON
 Environmental Consultants

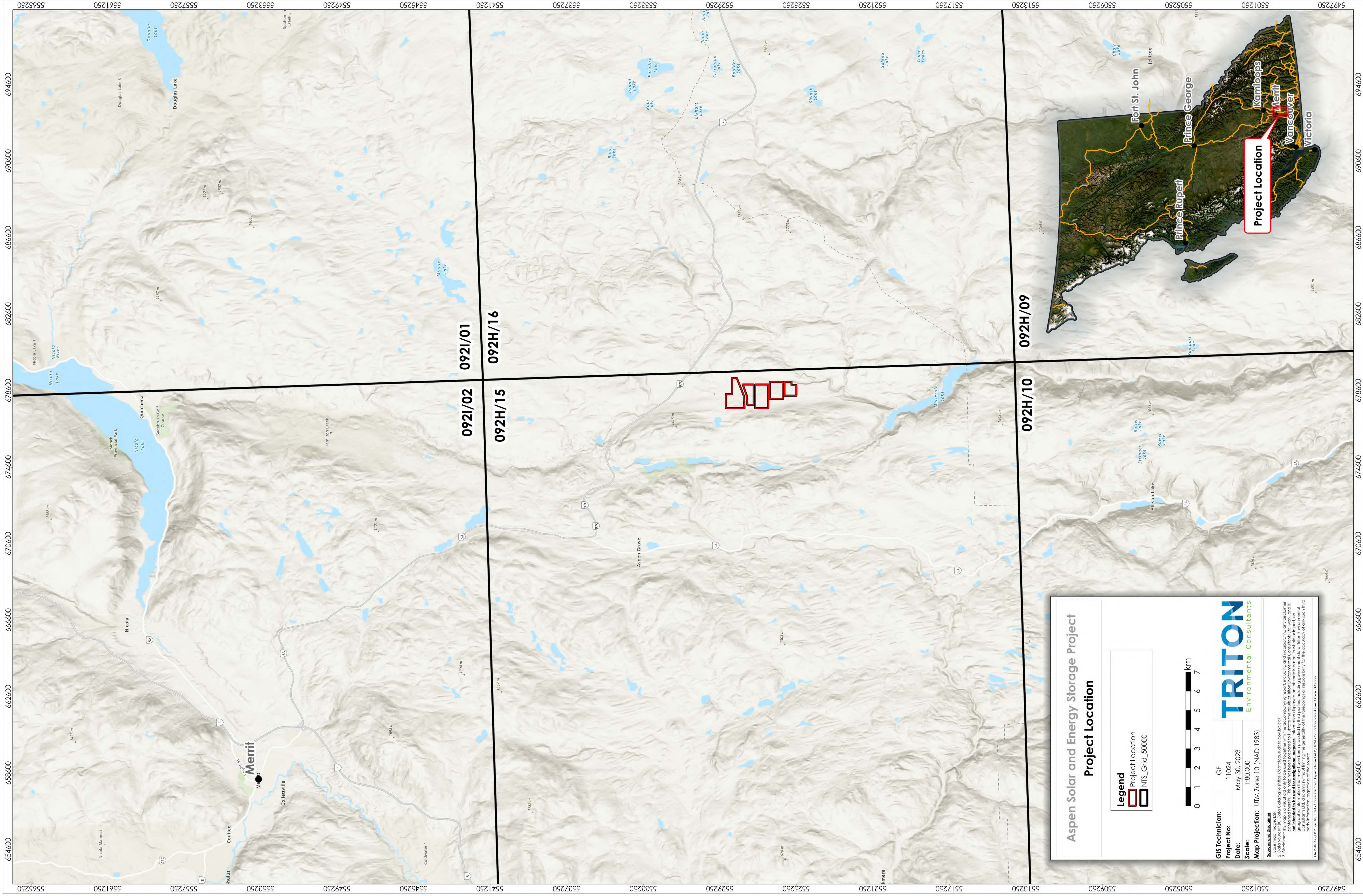
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 2. Data sources: BC Data Catalogue (https://catalogue.adps.gov.bc.ca)
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Aspen Solar and Energy Storage Project Project Location

Legend

- Project Location
- NTS_Grid_50000

0 1 2 3 4 5 6 7
km

GIS Technician: GF
Project No: 11024
Date: May 30, 2023
Scale: 1:80,000
Map Projection: UTM Zone 10 (NAD 1983)

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