

### 3.5 False Canyon + Middle Canyon ROR [LIARD-FRANC-0696 + LIARD-FRANC-0670-B]

False Canyon + Middle Canyon Run of River (ROR) is a cascade of two sites with False Canyon located upstream on the Frances River providing both generation and water storage, and Middle Canyon ROR located downstream operating as a ROR facility with no water storage (but a headpond required to create head for generation purposes).

#### 3.5.1 False Canyon [LIARD-FRANC-0696]

False Canyon is a potential hydroelectric project on the Frances River, located in the Liard River Basin approximately 75 km north of Watson Lake. The total drainage area is estimated at 12,200 km<sup>2</sup>.

The major components of the preliminary project layout are listed in Table 16. The project components are shown in Figure 8 and described in more detail as per sections listed in Table 16.

**Table 18: False Canyon Major Project Components**

Component	Drawing Item	Description Section
Intake Structure	①	3.1.1
Dam	②	3.1.2
Spillway	③	3.1.3
Reservoir	④	3.1.4
Power Tunnel and Penstock	⑤	3.1.5
Powerhouse	⑥	3.1.6
Fish Conveyance <sup>18</sup>	See Note 1815	See Note 18
Switchyard	⑦	3.1.7
Transmission Line	⑧ <sup>19</sup>	3.1.8
Access Infrastructure (Roads & Bridge)	⑨	3.1.9
Temporary Construction Works	⑩	3.1.10

<sup>18</sup> At this stage of study, upstream fish passage is expected to be facilitated via fish ladder. During subsequent phases of development, different alternatives may be considered including, but not limited to, mechanical lifts or trap-load-haul operations. Downstream fish passage is expected to be facilitated through fish friendly turbines (e.g. Kaplan Turbine).

<sup>19</sup> The transmission line is not shown on the drawing but is expected to follow approximately the access road from the switchyard to the interconnection point.

Figure 24: False Canyon Layout

