

- 4) First aid / safety / safety stations
- 5) Staging / lay down areas
- 6) Waste water treatment plant
- 7) Concrete batch plants
- 8) Truck washing stations
- 9) Explosives storage
- 10) Fuel storage and refuelling

3.5.12 Middle Canyon ROR [LIARD-FRANC-0696]

As the downstream project in the cascade, Middle Canyon is a potential ROR hydroelectric project on the Frances River, located in the Liard River Basin approximately 40 km northwest of Watson Lake. The total drainage area is estimated to be 13,000 km².

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 19: Middle 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
Penstock	⑤	3.1.5
Powerhouse	⑥	3.1.6
Fish Conveyance ²²	See Note 22	See Note 22
Switchyard	⑦	3.1.7
Transmission Line	⑧ ²³	3.1.8
Access Infrastructure (Roads & Bridge)	⑨	3.1.9
Temporary Construction Works	⑩	3.1.10

²² 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).

²³ 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 25: Middle Canyon Layout

