

## Clutch Opal Diatomite Project

### Summary:

The Clutch Opal Property is **350.22 ha** and comprises two key mineral occurrences — **Clutch 1–4 (JR)** and **Pinaus**—located near Falkland in the Kamloops/Vernon mining division of British Columbia. These showings present a compelling combination of **gemstone (precious opal and agate)** and **industrial (diatomite)** commodities with diverse geological settings.

### Mineralization:

#### Clutch ([MINFILE No 082LSW163](#))

- **Agate:** Widespread throughout lahars and basalt flows; occurs as amygdule fillings, fracture coatings, and cavity infillings, locally making up half the rock volume.
- **Common Opal:** Present in vesicles and fractures across the lahar and flow units.
- **Precious Opal:**
  - Documented in **Unit 4 red lahar** at the centre of the property.
  - Grains range from fine (1–2 mm) to larger fragments up to 4 cm.
  - Exhibits vivid **green, blue, pink, and orange play of colour**; facet-grade opal shows salmon to golden hues
- **Associated Minerals:** Jasper, tridymite-like phases, disseminated pyrite, and magnetite.

#### 716 Zone:

- Discovery of a **10–15 cm thick diatomaceous earth (DE) layer** in trenching.
- Northerly trending fractures filled with **agate and common opal**, with multiple stages of silicification and minor pyrite.

#### JR Zone:

- Quartz–agate–opal veins in fractured volcanics with iron-oxide staining.

#### Pinaus ([MINFILE No 082LSW159](#))

- "At the Pinaus showing, waterlain, tuffaceous (rhyolite ash) shale and siltstone lie at the base of a rhyolite succession which passes upwards into rhyolite tephra and flows. The diatomaceous earth locally develops at the base of this succession."

## Exploration Potential:

- The Clutch Property demonstrates all the hallmarks of the **Okanagan opal district**: abundant agate, confirmed **precious opal occurrences**, and structural/stratigraphic settings similar to the nearby **Klinker deposit**.
- Recommended work includes trenching/ripping fresh bedrock to expose unweathered material, systematic mapping of fracture systems, extensive potential for ground prospecting.

## Property Available For Option or Purchase







