

# Element One Reports on Field Program at Union Bay

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The exploration progress of Element One's partner at Union Bay propels the Corporate operation plan on three critical fronts

Vancouver, November 27, 2025 - [Element One Hydrogen and Critical Minerals Corp.](#) (CSE: EONE) ("Element One" or the "Company") is pleased to report the completion of a 2025 field program by the Company's option partner Rockshield Opportunities Corp. ("Rockshield") has an option to earn a 100% interest in the Union Bay Property by completing certain exploration expenditures, cash payments and share issues.

## Fieldwork Summary

Alaska based Piton Exploration LLC ("Piton") was commissioned to carry out geological mapping and surface sampling across the Union Bay Property, part of a mafic-ultramafic intrusive complex approximately 50 km northeast of Ketchikan. The program confirmed key ultramafic rock types associated with platinum group element (PGE) mineralization and natural hydrogen potential, providing a strong technical foundation for follow-up exploration in 2026.

A two-person field crew conducted a two-day helicopter-supported site visit, collecting 52 representative rock samples from mapped dunite, wehrlite, clinopyroxenite, and gabbro units. The samples were analyzed by Bureau Veritas Laboratories for multi-element and PGE geochemistry, with full QA/QC protocols including standards, blanks, and field duplicates.

The sampling confirmed the mapped presence of ultramafic rocks historically associated with PGE enrichment and hydrogen-producing serpentinization processes. These findings validate the geologic model previously outlined in academic and historical work (Van Treeck, 2009) and provide an important step toward developing dual exploration pathways for critical minerals and geologic hydrogen.

Brad Kitchen, CEO of Element One stated, "Rockshield's work program at Union Bay validates three aspects of Element One's operating model, specifically;

- acquiring early stage critical mineral and stimulated hydrogen projects,
- using the Company's expertise in exploration and research and
- advancing projects in partnership with other parties."

"I want to congratulate Rockshield for reaching this milestone in the development of the Union Bay project."

## Geologic Context and Results<sup>1</sup>

The Union Bay Complex is a concentrically zoned ultramafic intrusion with a dunite core surrounded by wehrlite, clinopyroxenite, hornblendite, and gabbro. The property includes eleven documented PGE prospects, with previous work returning up to 17.49 g/t platinum in surface samples and 10.59 g/t Pt over 0.49 m in drilling at the North Zone.

Piton's 2025 program re-established geochemical baselines for these mineralized horizons and confirmed magnetite-bearing wehrlite and clinopyroxenite units consistent with Alaska-type chromite-PGE deposits.

In addition to critical mineral potential, the team highlighted the presence of olivine and pyroxene-rich

ultramafic rocks conducive to natural (geologic) hydrogen generation through serpentinization - a reaction between these minerals and water that releases hydrogen gas. This observation aligns with Element One's exploration focus on geologic hydrogen systems in ultramafic settings across North America.

<sup>1</sup> Geologic context and historic results from Van Treek, 2009 . Platinum Group Element Enriched Hydrothermal Magnetite of the Union Bay Alaskan-type Ultramafic Intrusion, Southeast Alaska.

#### Union Bay Option Agreement Details

As previously disclosed, the Union Bay Property is held under an option agreement between Element One and Rockshield, granting Rockshield the right to acquire a 100% interest, subject to a Gross Overriding Royalty (GOR).

Key terms include:

- Cash payments: USD \$175,000 total over two years (\$50,000 paid)
- Exploration expenditures: \$1.2 million over three years
- Share issuances: 2,750,000 Rockshield common shares in staged tranches over two years (200,000 common shares issued)

These commitments are optional, with provisions allowing Rockshield to maintain the Option in good standing through compensating cash payments in lieu of work expenditures.

#### Qualified Person

The scientific and technical information on this news release has been reviewed and approved by Jeremy Hanson, P. Geo., an independent geologist to the Company who is a qualified person under the meaning of National Instrument NI 43-101.

#### About Element One Hydrogen & Critical Minerals Corp.

Element One Hydrogen & Critical Minerals Corp. (CSE: EONE) is a Canadian company focused on the exploration, development, and commercialization of geologic hydrogen and critical mineral resources, as well as breakthrough hydrogen-generation technologies. The company's projects include the Foggy Mountain critical minerals project as well as projects in Alaska and British Columbia that are prospective for hydrogen production through stimulation in the subsurface as well as critical and battery metals.

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