



PISTOL BAY
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PISTOL BAY OPTIONEE RIO TINTO TO CONTINUE C5 EXPLORATION

December 2, 2015: Pistol Bay Mining Inc. (TSX-V symbol: PST) (the “Company”) reports that Rio Tinto Canada Uranium Corp./Rio Tinto Exploration Canada Inc. has informed Pistol Bay Mining Inc. that it is continuing with its planned 2015 exploration program on the 2,500-acre (1,016 hectares) C5 uranium property in the Athabasca basin, Northern Saskatchewan. The C5 property lies five kilometres north of the Phoenix uranium deposit controlled by Denison Mines Corp.

The C5 property, together with the C4 and C6 claims, is under option to Rio Tinto, which has earned a 75-per-cent interest, and has previously announced its intention to exercise the further option to acquire 100-per-cent interest by paying Pistol Bay \$5-million within five years of Dec. 31, 2014, and granting Pistol Bay a 5-per-cent net profits interest (see Pistol Bay news release of Feb. 16, 2015). Rio Tinto has, to date, completed 12 diamond drill holes totalling 6,104 metres on the C5 property and a gravity survey. The 2015 program commenced in mid-September comprising DC resistivity survey conducted by DIAS Geophysical of Saskatoon.

Uranium mineralization in the Athabasca basin is spatially associated with the unconformity where the Athabasca sandstones rest on top of older basement rocks. The unconformity is approximately 400 metres below surface in the area of the C4, C5 and C6 properties. The highlight of Rio Tinto's program on C5 so far was the intersection in diamond drill hole 14CBK003 of 1.5 metres at 0.054 per cent triuranium octoxide (U₃O₈), including 0.5 m at 0.071 per cent U₃O₈. Core recovery was approximately 50 per cent, indicating that the assay does not accurately reflect the uranium content of the rock. In addition, diamond drill hole 14CBK0005, 50 metres to the northeast of 14CBK003, intersected 0.32 m at 0.041 per cent U₃O₈ just below the unconformity, and one m at 0.022 per cent U₃O₈, five metres below the unconformity. These results were previously disclosed in a Pistol Bay news release on June 4, 2014.

The C4, C5 and C6 properties adjoin the 11,720-hectare Wheeler River property of Denison Mines Corp. (60 per cent), Cameco Corp. (30 per cent) and JCU (Canada) Exploration Co. (10 per cent). Wheeler River includes the newly (2008) discovered Phoenix zone, with an indicated mineral resource of 70.2 million pounds of U₃O₈ grading 19.13 per cent plus an inferred mineral resource of 1.1 million pounds of U₃O₈ at a grade of 5.80 per cent. The Phoenix zone is five kilometres south of the C5 claim and less than three kilometres from the boundary of C6 (Denison Mines Corp. annual report 2014).

The C4, C5 and C6 properties are situated approximately midway between the former producing Key Lake mine and the currently producing McArthur River mine of Cameco Corp. (70 per cent) and Areva (30 per cent). McArthur River has produced, to the end of September, 2015, a total of

283.3 million pounds of U₃O₈. It has reserves of 345.2 million pounds at 14.87 per cent U₃O₈, measured plus indicated mineral resources of 10.6 million pounds at 4.24 per cent U₃O₈ and an inferred mineral resource of 57.2 million pounds. With a total endowment of almost 700 million pounds, McArthur River is the largest high-grade uranium mine in the world (Cameco Corp. annual and quarterly reports).

The C4, C5 and C6 properties are road-accessible, an important feature that allows exploration funds to be used much more effectively than more remote, fly-in projects. The 75-kilometre all-weather haul road from the McArthur River mine to Cameco's Key Lake mine/mill passes approximately five kilometres from the properties, and there is a network of bush trails that can be used by four-wheel-drive vehicles.

The information in this news release has been prepared and/or reviewed by Dr. Colin Bowdidge, PhD, PGeo, a qualified person as defined in National Instrument 43-101. Uranium analyses quoted in this news release were performed for Rio Tinto by SRC Geoanalytical Laboratories in Saskatoon, using ICP-mass spectrometry. The geometry of the mineralized intervals quoted here is not known, and no estimate of true widths has been made.

About Pistol Bay Mining Inc.

Pistol Bay Mining Inc. is a diversified Junior Canadian Mineral Exploration Company with a focus on precious and base metal properties in North America. For additional information please contact Charles Desjardins – pistolbaymining@gmail.com - at Pistol Bay Mining Inc.

On Behalf of the Board of Directors
PISTOL BAY MINING INC.

"Charles Desjardins"

Charles Desjardins,
President and Director

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