

NEWS RELEASE
(TSX-V Symbol: UBR)

**URANIUM BAY UPDATES EXPLORATION PROGRAM
AND URANIUM SIZE POTENTIAL OF USKAWANIS PROPERTY**

Montreal, Quebec, September 19, 2007: URANIUM BAY RESOURCES INC. (TSX-V: UBR) wishes to update shareholders on the progress of the exploration work being done at the Company's wholly-owned 314 km² Uskawanis Uranium Property, in addition to the technical report being produced for the work done from June to August, 2007. At this time, the Company is also pleased to report on the potential size and grade ranges of the widespread and significant uranium mineralization encountered to date.

The initial portion of the exploration program completed between June and August 2007, encountered anomalous uranium in surface grab samples within a multi-kilometric corridor. Ground spectrometer readings varied from 500 counts per second (or cps) to 65,535 cps, and 30 ppm to 11,465 ppm equivalent uranium assay values (or eU); whereas the uranium chemical assay results received gave values up to 1% U₃O₈. **The on-going work program consists of in-fill surface grab sampling at 50 m spacing in four sectors of higher grade uranium; a detailed spectrometer survey; and a diamond drilling campaign (minimum 7,500 m) slated to begin by mid-October.** The objective is to test the full uranium resource potential of the first set of priority targets outlined earlier in the summer on the Property.

Two main areas of higher grade uranium mineralization have been identified to date within a 6 km by 2 km corridor (*refer to the news release dated September 7, 2007, for a summary review*). The A Zone consists of contiguous uranium concentrations greater than 0.031% U₃O₈ contained within a 1.5 km² sector; whereas the B Zone, presents similar contiguous uranium concentrations contained within a 0.39 km² sector. In addition, part of the pegmatites surrounding the A and B Zones have been identified as containing lower grades of uranium with U₃O₈ values less than 0.031% U₃O₈ obtained by chemical analysis. The following table summarizes the volumes of the uranium potential based on a 100 m depth potential to the mineralization:

PARAMETERS	VOLUMES A-B ZONES (SG – 2.67)	VOLUMES A-B-PAD 27- PAD 36 (SG – 2.67)	TOTALS
HIGHER GRADE URANIUM (>0.031% U₃O₈)			
SURFACE (m ²)	1,890,000	2,050,000	
DEPTH (m)	100	100	
VOLUMES (tonnes)	500,850,000	542,520,000	1,043,370,000
LOWER GRADE URANIUM (<0.031% U₃O₈)			
SURFACE (m ²)	4,780,000		
DEPTH (m)	100		
VOLUMES (tonnes)	1,267,490,000		1,267,490,000

The potential quantities and grades are conceptual in nature, and would range between 1 billion and 2.3 billion tonnes at grades less than 0.031% U₃O₈ or greater than 0.031% U₃O₈. The numbers are not part of any recognized National instrument (NI) 43-101 Mineral Reserve or Mineral Resource categories, and should not be relied upon. The grades have been assumed to be continuous within the mineralized zones, which as not been established

at this time. It would be optimistic and risky to assume anything different, and to apply the grades over the mineralized zones at this stage of the exploration. There is no direct evidence that the potential quantities and grades (or any portion thereof) will ever be achieved at any time with additional exploration work. The intent here is only qualitative, in order to identify the potential of a significant mineralized system and that a major exploration program will be required to prove up any mineral resources.

Mr. Bernard Tourillon, UBR's President and CEO comments: (...) We are positively encouraged by the results we have been seeing since the beginning of our exploration campaign in June 2007 (...) The potential of the project identified by our technical team goes a long way in explaining the reasons why the Company believes that the **Uskawanis Uranium Property** may host bulk-type uranium mineralization similar to what is found in Namibia at the Rössing Uranium Deposit (...) The significant potential of the project more than justifies the decision to accelerate our exploration program (...) our objective of completing a minimum 7,500 meters of drilling by the end of December 2007 should help unlock and define the potential of this property (...).

The Rössing uranium bulk deposit and mine operation in Namibia hosts uranium mineralization in alaskites (or pegmatites) hosted in gneisses. The Company is currently focusing its work at confirming the kilometeric sized surface higher and lower grade uranium areas in three-dimension for the resource potential. Rössing is one of the largest open pit uranium mines in the world operated by Rio Tinto (LSE: RIO) (NYSE: RTP). The deposit at a grade of 0.025% (or 0.5 lbs/ton) U3O8 is the World's fifth largest producer of uranium and accounts for nearly 8% of the current total world U3O8 production.

Mr. Jean Lafleur, P. Geo., a Mineral Exploration Consultant and Qualified Person as defined by National Instrument 43-101, supervised the preparation of the information in this news release.

ON BEHALF OF THE BOARD OF DIRECTORS

(s) Marcel Drapeau
Chairman

About Uranium Bay Resources Inc.

Uranium Bay Resources Inc. is a Canadian based junior resource and exploration company trading under the symbol UBR on the TSX Venture Exchange. The Company has 59,418,642 shares outstanding (86,968,642 fully diluted). The Company holds 100% of several U3O8 mineral exploration properties including the 314 km² Uskawanis Uranium property located just south of the Opinaca reservoir, the 90 km² Kauschiskach Uranium property located just 100 km NE of Radisson in the Quebec James Bay area of northern Quebec, and the five properties totalling 197 claims covering the Lac Georges (100 claims), Lac Forget (24 claims), Ruisseau Lebrun (38 claims), Maurice (19 claims) and Bloc extension 06 (16 claims) properties located in the Wakeham area, in eastern Quebec.

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