

MINERAL OCCURRENCEPROPERTY NAME: BLIZZARDPRESENT OWNER: Lacana Mng.
Opt. to Norcen Energy
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PAST OWNERS: E & B Expl.
Campbell Chibougamau &
Ontario HydroLOCATION: 25 km. NE of Beaverdell, adjoining
the north ends of Lassie Lake and Joan
LakePRIMARY METAL: UraniumSECONDARY METALS:ORE MINERAL PRESENT: autunite; calcium-uranyl and magnesium-uranyl phosphatesGANGUE MINERAL: country rockTYPE OF DEPOSIT: hydrogenic paleo-channelGEOLOGY: Pliocene to Miocene sedimentary sequence overlies a channel in the Cretaceous Valhalla granodiorite basement complex. Sediments include conglomerates, sandstones, and mudstones. Entire sequence is covered by a basalt cap over the entire property. The basement low persists through the deposit area and may mark a NW-SE major fault that is Cretaceous or pre-Cretaceous in age. Breccia pipe, located by drilling, includes chaotic assemblage of fragments of basement rocks, sediments and basalts. Pipe is younger and intrudes all rock units. At the contact of the basement and the sediments the regolith shows alteration through chemical weathering, 1 to 2 metres deep. Conglomerate zone generally just above basement.MINERALIZATION: Almost all uranium is found in sediments. It occurs generally at the base, and at the basement unconformity, and in zones within the sedimentary section itself. Breccia pipe is mineralized. Main ore zone is 1,600 metres long from north to south along the channel or fault trace. Most of the uranium occurs in sandstone or mudstone, with smaller amounts in conglomerates, and in the upper, highly weathered and altered part of the regolith. Formation theory is that the U_3O_8 has been leached by groundwater or meteoric waters from the granites and moved along fault-controlled channels through permeable sediments, and finally precipitated in a reducing environment.ASSAYS: A number of estimates of reserves have been made. The most recent are: 1. 3,000,000 tons of ore grading 4.3 lbs/T uranium oxide
before dilution
2. 2.1-2.2 million metric tons of ore containing just over
10 million lbs. recoverable uranium

EXPLORATION AND DEVELOPMENT HISTORY:

- 1975: Property staked by Lacana Mining Corporation on the basis of previous owner assessment reports
1976: Lacana program of scintillometer and geological surveys and drilling. Property optioned by Norcen Joint Venture
1977 & 1978: Norcen Joint Venture program of drilling 327 diamond drill holes (15,000 metres) and 65 rotary holes

PRODUCTION RECORD: Nil

REFERENCES:

GCN: 6/6/78, 6/25/78, 11/14/78
BCMM: 1976-P.29
Norcen paper at Calgary MEG

ADDITIONAL REMARKS:

Norcen Joint Venture group can earn a 70% interest in the property by spending \$1.6 million
Deposit considered mineable by open pit methods with a minimum of environmental problems