

**Geological Survey of Canada**

**Bulletin 591**

**POTENTIAL FOR CARBONATE-HOSTED  
LEAD-ZINC MISSISSIPPI VALLEY-TYPE  
MINERALIZATION IN NORTHERN ALBERTA  
AND SOUTHERN NORTHWEST TERRITORIES:  
GEOSCIENCE CONTRIBUTIONS,  
TARGETED GEOSCIENCE INITIATIVE**

**Edited by  
P.K. Hannigan**

**2006**

©Her Majesty the Queen in Right of Canada 2006

ISSN 0068-7626  
Catalogue No. M42-591E  
ISBN 0-660-19663-8

*Available in Canada from the Geological Survey of Canada Bookstore*  
(see inside front cover for details)

A copy of this publication is also available for reference in depository libraries across Canada through access to the Depository Services Program's Web site at <http://dsp-psd.pwgsc.gc.ca>

A free digital download of this publication is available from GeoPub:  
[http://geopub.nrcan.gc.ca/index\\_e.php](http://geopub.nrcan.gc.ca/index_e.php)  
Click on "Free Download".

**Cover illustration**

Salt plains in Wood Buffalo National Park, Alberta, Canada. Brine springs, discharged from Devonian outcrop belts with abundant evaporites that formed the salt plains, have moderate to low base metal content suggesting that mineralization is more widespread than previously recognized from the Pine Point district to the north. GSCC Photo 4798-1.

***Editor's Address***

*P.K Hannigan  
Geological Survey of Canada  
(Calgary)  
3303-33rd Street N.W.  
Calgary, Alberta  
T2L 2A7*

**All requests for permission to reproduce this work, in whole or in part, for purposes of commercial use, resale, or redistribution shall be addressed to:  
Earth Sciences Sector Information Division, Room 402, 601 Booth Street,  
Ottawa, Ontario K1A 0E8.**