



DIVISION OF  
CORPORATION FINANCE

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549-7010

June 23, 2009

By Facsimile and U.S. Mail

Mr. Kenneth Hicks  
President  
Argentex Mining Corporation  
602 - 1112 West Pender Street  
Vancouver, British Columbia Canada V6E 2S1

**Re: Argentex Mining Corporation**  
**Form 10-KSB for the Fiscal Year Ended January 31, 2008**  
**Filed April 30, 2008**  
**Form 10-KSB/A for the Fiscal Year Ended January 31, 2008**  
**Filed April 29, 2009**  
**Form 10-KSB for the Fiscal Year Ended January 31, 2009**  
**Filed May 1, 2009**  
**Response Letter Dated April 29, 2009**  
**Response Letter Dated June 2, 2009**  
**File No. 000-49995**

Dear Mr. Hicks:

We have completed our review of your Form 10-KSB and related filings and have no further comments at this time.

Sincerely,

Jill Davis  
Branch Chief