INFORMATION FOR B.C. MINERAL EXPLORATION REVIEW 1993
Property Name: Myra Falls Pinser
Name of Owner(s): WESTMIN RESOURCES LTD. 885.900 Myra Fall
Name of Operator(s): WESTMIN RESOURCES LTD.
Program Still in Progress?: $\underline{YES}$
SPENT 360,000.
Confidential Can Be Released (please check appropriate box) (If confidential will be used only as a portion of the overall SWBC total)
Work Done (In particular: number of drill holes and total mettrage; underground development, number of metres advanced; geophysical and/or geochemical surveys conducted, sampling, etc.):
SURFACE DRILLING: 1000 METERS, 2 DRILLHOLES
UNDERGROUND PRILLING: 3,200 METERS, 10 DRILLHOLES
UNDERGROUND DEVELOPMENT: LOO METERS.
GEOPHYSICAL SURVEYS: (2) DOWNHOLE IP AND DOWNHOLE EM Commodities (e.g. Au, Ag, Cu): AU, AG, Cu, PB, ZN
Postulated Deposit Type: VOLCANO GENIC MASSIVE SULPHIDE
Comments (Significant results, zones tested, short geological description):
Underground dvilling expanded Battle Tone North and
East and found mineralized rhyolites North of
North Jault.
Surface chilling from the center of Helwood Valley
attempted a long step-out on the Trumpeter
Tone. One was not intersected but several
geophypical targets were developed.
Completed by: C. PEARSON Phone #: 287-9271

Note : Any additional information concerning the geology of your property would be appreciated.

Please submit by November 15, 1993

Ministry of Energy, Mines & Petroleum Resources, Geological Survey Branch Suite 301, 865 Hornby St., Vancouver, B.C., V6Z 2G3 Attention: Robert H. Pinsent Phone #: (604) 660-0223 Fax #: (604) 775-0313 • DEC 06 '93 10:08AM EMPR GEOL SURVEY

1993 Producers and Potential Produce	ers, Minera, and Coal Map
Property Name: MyRA FALLS	
OWNERSHIP: WESTMIN RESOURCES LT.	D
Mineral Reserves (metric figures if possible - see notes for definit	ions) AS OF JAN. 1/93
a) TOLAL : PROVEN/PROBABLE = 12, 516, 300 to.	PROVEN/PROBABLE = 9,729,200 to
Possible = 2,705,800 to.	POSSIBLE = NIL
TOTAL = 15,222,100 to	TOTAL = 9,729,200 to
Calegory: GEOLOGICAL	MINING
b) Subdivided into Zones (if applicable) :	
5 HW MINE = 8,955,100 to.	HW MINE = 6,242,800 to)
17 LYNX MINE= 315,300 to	LYNX MINE = 371,000 to }
NEW AREAS = 3,245,900 to	NEW AREAS = 3, 115,400 to )
Scalegory: GEOLOGICAL PROVEN/PROBABLE	MINING PROVEN/ PROBABLE
J HW MINE = 60,000 to	/
( NEW AREAS = 2645,000 to	
Category: GEOLOGICAL POSSIBLE	
Date of Calculation : JANUARY 1/93	
Calculated by: WESTMIN	
c) Have these reserves been announced to the public? Yes	No 🗆
If so, please specify name and date of article (i.e. Annual Ret	bort 1985; Northern Miner, Sept. 8, 1968)
1992 ANNUAL REPORT	
Form completed by: <u>C.</u> PEARSON	Phone #: 287-9271
Please submit by November 15, 1993	
Ministry of Energy, Mines & Petroleum Resources Geological Survey Branch Suite 301, 865 Hornby St., Vancouver, B.C., V6Z 2G3 Attention: Robert H. Pinsent Phone # : (604) 660-022	23 Fax # : (604) 775-0313

': ADMIN.	(10-29-92; 8:29; WESTMIN RESOLACES -1 604 356 0545)
1	992 Producers and Potential Producers, Mineral and Coal Map
Property Name	MYRA FALLS
Ownership : _	WESTMIN RESOURCES LTD.
Mineral Reserv	es (metric figures if possible - see notes for definitions) GEOLOGICAL RESERVE
a) Total : 🙋	Her MINE : 9,022,000 tonnes, @ NIL
	LYNX MINE: 321,000 tonnes @ NIL
	NEW AREAS: 2,357,200 tonnes @ 2,858,900 tonne.
Category :	PROVEN/PROBABLE, POSSIBLE
b) <del>Sabdividad</del>	inter-Fames (if applicable) :
ATOTA	L PROVEN/PROBABLE = 11,700,200 tonnes
	@ 2.1 m/n Au 42.4 m/n Ag, 2.0% Cu, 0.4% Pb, 5.9.
<b></b>	
Category :	TUTAL POSSIBLE = 2,858,900
	@ 1.8 M/ Au, 59.5 M/ Ag, 2.2% Cu, 0.5% Pb, 10.00
Category :	
Date of Cal	culation: OCTOBER 1, 1992
Calculated	by: WESTMIN
c) Have these	reserves been announced to the public? Yes 🖄 No 🗔
If so, please	specify name and date of article (i.e. Annual Report 1985, Northern Miner, Sept. 8, 1968)
<u> </u>	, to QUARTER REPORT
Form complete	d by: C. PEARSON Phone #: 287-9271
Please submi	t by October 25, 1992
Ministry of F	Energy, Mines & Petroleum Resources
Geological S	5 Hornby St. Vencouver, B.C., V67, 2G3
Attention: R	lobert H. Pinsent Phone #: (604) 660-0223 Fax #: (604) 775-0313

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sediments slightly higher in the stratigraphy (Mitch - which way to the felsic volcanic centre?)

- 109 zone at Eskay Creek yields fluid inclusion data suggesting boiling has occurred at a depth of ~160 m (this is a maximum depth for sulphide lens deposition).
- Variations in fluid inclusion chemistry at Eskay Creek suggest that hydrothermal fluids originated as cooler fluids of seawater composition and evolved to hotter fluids with an added component of magmatic water.
- Eskay Creek ores are atypically low temperature for VMS deposits (reflecting shallow water deposition??)

21A zone	140° - 200°C	stratabound lenses
21B zone	90°- 140°C	stratabound lenses
109 zone	110° - 160°C	stockwork feeder zones
Pumphouse/Pathfinder zones	110° - 170°	stockwork feeder zones

- The Eskay Creek rocks (Mt. Dilworth and Salmon River Fmtns.) also have tholeiitic trends. Another common feature between Kutcho Creek and Eskay Creek is the presence of low Ti-rhyolite.
- Hangingwall strata at Myra Falls, Tulsequah Chief, Kutcho Creek and Eskay Creek all have more primitive geochemical signatures (i.e. Ni, Cr) than their footwall counterparts.
- Why are the less evolved magmas at the top of the pile?
  Seneca and Battle Zone (Buttle Lake) cited as examples of replacement textures in massive sulphides.
  Although previous workers have argued for 4 periods of deformation to account for all structural features documented at Granduc, all features could be accounted for by articles.
  Grandu (Cretaceous?) phase of non-convicted as structural features documented at Granduc, all features could be accounted for by a single
  - A minimum displacement of 30 km of sinistral offset on the South Unuk Shear Zone suggests potential areas for Granduc extensions.
  - MDRU is using PER (Pearce Element Ratio) "bubble plots" to routinely distinguish highly altered samples from little altered rocks. Several striking examples demonstrate the effects of sericite alteration on volcanic rocks.
  - Debris flows and/or clastic sulphides appear to be common at a number of VMS deposits associated with felsic volcanic rocks (Eskay Creek, HW, Tulsequah) which are probably related to paleotopographic features. Are they caldera margins, synvolcanic faults. domes?
  - In at least four talks, reference was made to igneous rocks (usually sills) reacting with wet • sediments to produce peperite textures - "blobby" fragments with chilled margins. These may be much more common in B.C. than identified to date.
  - Harrison Terrane (Harrison Lake Group) is no longer correlated with Stikinia (Hazelton Group). It is now correlated with Wrangellia (Bonanza Group) based on petrochemical affinities.

MORM-VMS Meeting, Memo

;11- 7-95 ; 10:56 ; WESTMIN RESOURCES  $\rightarrow$ 

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**INFORMATION FOR B.C. MINERAL EXPLORATION REVIEW 1993** Property Name: MYRA FALLS OPERATIONS Name of Owner(s): WESTERIN KESOURCES LTD. Name of Operator(s): WESTMIN RESOURCES ITD. DNGOING ANNUAL EXPLORATION ON MINESIT Program Still in Progress? : 1995 500 al 000 Exploration Program Budget : K Confidential Can Be Released (please check appropriate box) ( If confidential will be used only as a portion of the overall SWBC total ) Work Done ( In particular; number of drill holes and total meterage; underground development, number of metres advanced; geophysical and/or geochemical surveys conducted, sampling, etc.) ; 48 meters delled RSHALL LONE aa NX MINE 323 meters drilled :3 LONE O. IMPETER 0.0 91294 Commodities (c.g. Au, Ag, Cu): 144 Postulated Deposit Type : \_\_\_\_\_\_ Comments (Significant results, zones tested, short geological description) : all Tone area was drilled in 1992 and in Mars but servasively where weatthe 1995 ollow u Ke, te. Three I thickness intervals ere drilleb To shase eter line tos 96 nned 927 Phone # : Completed by ( EARSON Note: Any additional information concerning the geology of your property would be appreciated. Please submit by November 15, 1999

Ministry of Energy, Mines & Petroleum Resources, Geological Survey Branch Suite 301, 865 Hornby St., Vancouver, B.C., V6Z 2G3 Attention: Robert H. Pinsent Phone #: (604) 660-0223 Fax #: (604) 775-0313