

→ Myra Falls

9. DESCRIPTION OF WORK: BLASTING ☐ Yes ☒ No GEOPHYSICAL ☒ Yes ☐ No GEOCHEMICAL ☐ Yes ☒ No  
 LINE CUTTING ☐ Yes ☒ No PERCUSSION DRILLING ☐ Yes ☒ No CLEARING TREES ☒ Yes ☐ No DIAMOND DRILLING ☒ Yes ☐ No

BRIEFLY DESCRIBE OPERATION (if other than above)

885853

BLASTING: If blasting is involved give details of explosives, magazines, etc. (Subject to approval of the District Inspector):

Give number of Existing Storage permit \_\_\_\_\_ or application for a permit is Attached (Y/N) \_\_\_\_\_

10. WATER SUPPLY (subject to approval under the Water Act): If stream give name \_\_\_\_\_ draining to \_\_\_\_\_

Name or describe the source of water supply Drainage from Price 4 Level adit

Quantity of water to be used \_\_\_\_\_ c.f.s. Location of water intake (show on plan) \_\_\_\_\_

11. WASTE WATER TREATMENT including disposal of drilling mud and sludge. (Subject to approval under the Waste Management Act): Describe treatment and disposal facilities (size of settling pond, recycling, distance to nearest stream, etc.) (Show on plan) Perforated hose line from drill.

12. SURFACE DISTURBANCE OFF THIS MINERAL PROPERTY:

Road Access construction: Total length \_\_\_\_\_ m Approx. width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Campsite No. of people: \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Other: Describe \_\_\_\_\_ Area \_\_\_\_\_ m<sup>2</sup>

13. SURFACE DISTURBANCE ON THIS MINERAL PROPERTY:

Settling ponds No. \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Road Access construction: Total length \_\_\_\_\_ m Approx. width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Drilling: No. of sites 1 depth \_\_\_\_\_ length 30 m width 15 m Area \_\_\_\_\_ m<sup>2</sup>Trenching: No. of trenches \_\_\_\_\_ depth \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Campsite: No. of people \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Test Pits: No. of pits \_\_\_\_\_ depth \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Estimated number of workers 5-6Underground work: Area of surface disturbance length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Rock Dumps: Area of surface disturbance length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>Other: Describe \_\_\_\_\_ Area \_\_\_\_\_ m<sup>2</sup>TOTAL AREA OF SURFACE DISTURBANCE 450 m<sup>2</sup> (1 ha = 10,000 m<sup>2</sup>) .045 haEXISTING DISTURBANCE \_\_\_\_\_ m<sup>2</sup> ADDITIONAL DISTURBANCE THIS YEAR \_\_\_\_\_ m<sup>2</sup> PLANNED RECLAMATION THIS YEAR \_\_\_\_\_ m<sup>2</sup>

14. PRESENT STATE OF LAND ON WHICH WORK IS PROPOSED:

Present Land Use (agriculture, forestry, etc.) Recreation Area Type of Vegetation Douglas FirAccess Roads (Present use and condition) None

Old workings (location, condition) \_\_\_\_\_

15. RECLAMATION PROGRAM: Proposed land use after reclamation Recreation area

Describe protective measures and proposed site reclamation methods with reference to the items listed below. Attach separate sheets and plan, if necessary:

Topsoil handling (where applicable) nilCamp sites n/aTrenches, Drill sites, Major excavations drill sites - on bedrock, will remove extraneous materialRoads n/aRevegetation of disturbed areas left to revegetate naturally

Other \_\_\_\_\_

16. EQUIPMENT LIST Indicate make, number, size and capacity (all equipment to comply with the Mining Code):

(a) Heliportable Longyear 44 drill rig (b) \_\_\_\_\_

(c) \_\_\_\_\_ (d) \_\_\_\_\_

(e) \_\_\_\_\_ (f) \_\_\_\_\_

(g) \_\_\_\_\_ (h) \_\_\_\_\_

17. FIRST AID FACILITIES (describe - including methods of communication and emergency transportation): Phone/radio, 1st aid & ambulanceat minesite. Location of nearest hospital Campbell River - 85 kms Travel time to hospital 1 hr; 2 hrs by road18. UNDERGROUND WORK ☐ Yes ☒ No If yes - attach a completed 'Underground Exploration Work Application for Approval' form.19. Is any part of this property designated as a Uranium/Thorium Area? ☐ Yes ☒ No If yes - has a survey been completed? ☐ Yes ☐ No Gazette Date \_\_\_\_\_Denis Grégoire  
PRINT NAME OF APPLICANTBRYAN WILSON FOR  
SIGNATURE OF APPLICANT29 MAY 97  
DATE OF APPLICATION

20. ATTACH A PLAN (OR PLANS) OF THE PROPOSED OPERATIONS (which may be drawn on 8-1/2" x 11" photocopies of standard map sheets of an appropriate scale 1:250000, 1:50000, 1:25000, 1:5000, 1:2000 etc. showing location of property, access to property, location of work and roads.

## MYRA RIDGE PROJECT DESCRIPTION

### 1 THE PROPONENT

The proponent of this project is Westmin Resources Limited. Westmin's Myra Falls Operations are located in steep, mountainous terrain near the south end of Buttle Lake in central Vancouver Island. Access is by paved highway from Campbell River some 90 km away. The property is situated in Strathcona-Westmin Provincial Park, a Class B Provincial Park, which is entirely surrounded by Strathcona Provincial Park (Figure 1). Strathcona-Westmin Provincial Park is approximately 7 km long by 2-3 km wide, and occupies 3,328 ha or about 2% of Strathcona Provincial Park. It is defined by five mining leases, 23 crown grants and 44 two-post claims, which make up the mineral claim block of Myra Falls Operations. Westmin Resources Limited holds three Park Use Permits (PUP 1261, PUP 1363 and PUP 1364) which authorize the use of park lands for mining, power generation, power transmission and roads. Myra Falls Operations has been actively mining polymetallic (gold-silver-copper-lead-zinc) volcanogenic sulphide deposits for over 30 years and continues to do so. As of 1 January 1997, geological reserves indicate at least a eight-year mine life, using current mining rates and economic factors. ~ 2005

### 2 SCOPE AND PURPOSE OF PROJECT

As part of the 1997 exploration plans for its Myra Falls Operations, Westmin proposes a surface-based, helicopter supported diamond drill program in the northeast portion of its mineral claim area, on Myra Ridge (Figure 2; note that Myra Falls Operations grid North is 45 degrees east of true North). This area lies within Westmin Resources Limited - Myra Falls Operations mineral lease 1227 and is a part of the Natural Environment Zone of Strathcona-Westmin Provincial Park. The proposed program is part of the ongoing effort to fully explore Westmin's claims area in a timely and fiscally responsible manner. New discoveries take a minimum of 5 to 7 years to delineate and develop, but not all initial mineralized discoveries develop into economically viable zones. Thus, time is a critical factor in the exploration, for and the maintenance of, a healthy mine reserve base.

Exploration programs at Myra Falls Operations mostly utilize diamond drilling from underground tunnels. However, less frequent but regular surface-based diamond drill programs are also used. Surface-based diamond drill programs are usually a prelude to more detailed underground-based drilling. Recent examples of surface-based exploration drilling were Westmin's 1992/93 and 1994/95 Thelwood Valley programs. The proposed 1997 Myra Ridge drill program will represent the geologic testing of the region northeast of the HW orebodies and west of the Trumpeter zone. Due to a lack of underground workings in this area, surface-based exploration drilling is the most timely and economically feasible method for testing the area. Results from the program will determine if future underground development is warranted.

### 3 LOCATION AND RESOURCES

The proposed 1997 Myra Ridge program will be carried out on a single site with a minimum of four drillholes. The proposed drill site is located approximately 200 meters south of a small pond at the north end of Myra Ridge, at an elevation of about 650 m

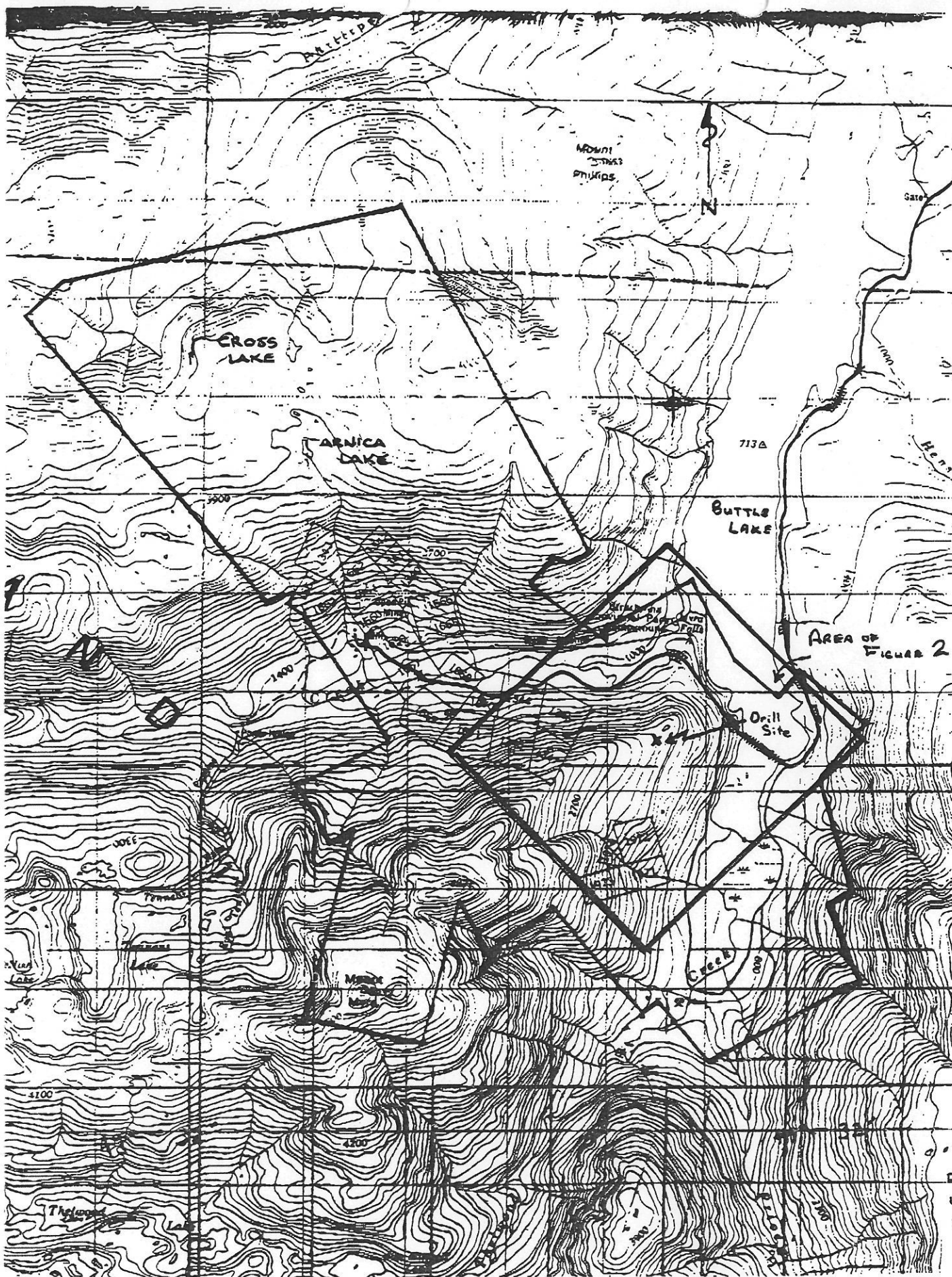
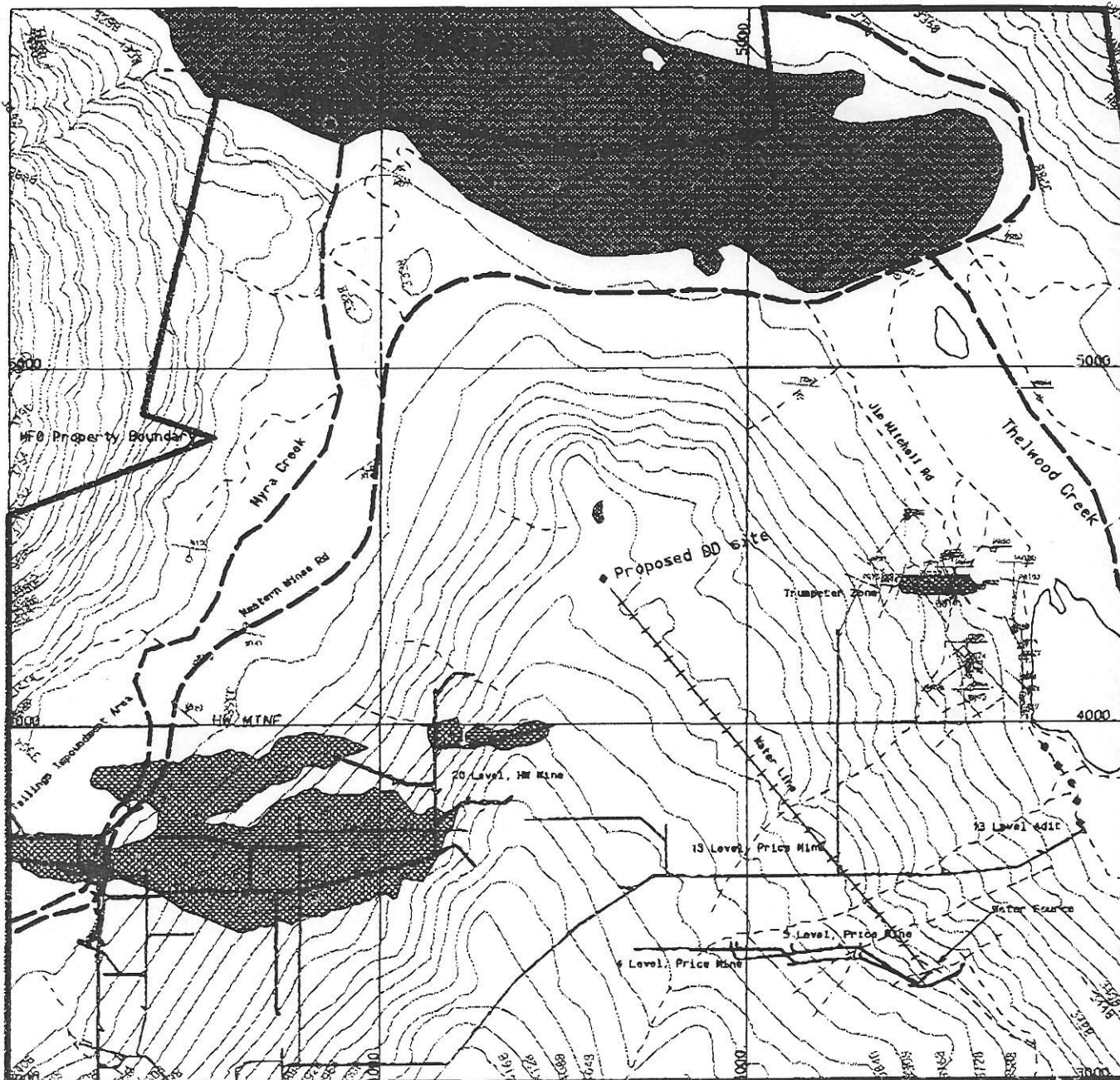


Figure 1. Myra Falls Operations' property map (1:50,000) scale showing location of Myra



NOTE: Contours are in sine coordinates - subtract 3048 to get actual elevation (in meters above sea level)

REVISIONS	No	DATE	MADE BY	DESCRIPTION
1				
2				
3				
4				
5				
DATE DRAWN BY CHECKED APPROVED				
05-29-97 S.Jurra				

Western Resources Ltd. Myra Falls Operations

## MFO - Myra Ridge 1997 Surface Exploration Program

MAP INDEX NUMBER	SCALE	DRAWING NAME
	1:10000.M	nr9710.PLT

Figure 2





Province of  
British Columbia

Ministry of Energy, Mines  
and Petroleum Resources  
MINERAL RESOURCES DIVISION  
ENGINEERING AND INSPECTION BRANCH

## NOTICE OF WORK ON A MINERAL PROPERTY

Application for Approval of a Work and Reclamation Program  
(Pursuant to Section 10 of the Mines Act, 1989)

→ Myra Falls  
22

This form is to be completed and signed by any company or individual planning to conduct exploration or other work on a mineral property involving: the use of mechanical equipment likely to cause disturbance of the land; induced polarization surveys; or significant tree or line cutting. Keep one copy. Forward one copy to the District Inspector of Mines. Approval must be obtained prior to commencement of work. The approval process may involve referral to other agencies for their comments and/or gazetting and may take up to 60 days. If underground exploration or development is contemplated, an additional 'Underground Exploration Work Application for Approval' form must be completed.

### 1. PROPERTY NAME

**MYRA FALLS OPERATIONS**

If a previous Approval of Work exists for this property, please provide:  
Previous Approval Number and/or Permit No.

P.U.P. (General) 1363

P.U.P. (Thelwood Power) 1261

### 2. NAME OF APPLICANT

**WESTMIN RESOURCES LIMITED**

COMPANY NAME (if applicable)

**DENIS GREGOIRE, MINE MANAGER**

APPLICANT'S TITLE OR POSITION

P.O. BOX 8000

ADDRESS

CAMPBELL RIVER, BC V9W 5E2

CITY PROVINCE POSTAL CODE

(250) 287-9271 (250) 287-7123

TELEPHONE NO. FAX NO.

Please indicate if the applicant (or company) is any or all of the following:

☒ Operator of the operation ☒ Owner of the operation

☒ Manager (in accordance with Section 21 of the Mines Act)

4. Duration of planned work from **AUGUST 1, 1997**

to **DECEMBER 31, 1997**

### 5. Number of claims

Principal Claim Group

44

East Group

6. Are the surface rights to any of the land on which the operation is located privately owned? ☐ Yes ☐ No If yes, give the District Lot number(s)

NAME AND ADDRESS OF THE PRIVATE LANDOWNER

### 7. GENERAL LOCATION OF PROPERTY: (Also show on map or plan).

Is any part of this property designated as a Recreational Area? ☒ Yes ☐ No Mining Division **Alberni**

NTS Map sheet (eg. 82E/9E) **92F/12E** Latitude **49° 34'** Longitude **125° 34'**

### 8. ACCESS DIRECTIONS: FROM (Nearest town or major road intersection)

**Campbell River**

FOLLOW **HWY 28** **85** KMS (S.E.N.W) TO **south end** FOLLOW \_\_\_\_\_ KMS (S.E.N.W) TO \_\_\_\_\_

FOLLOW \_\_\_\_\_ KMS (S.E.N.W) TO **toof Buttle** FOLLOW \_\_\_\_\_ KMS (S.E.N.W) TO \_\_\_\_\_

FOLLOW \_\_\_\_\_ KMS (S.E.N.W) TO **Lake** FOLLOW \_\_\_\_\_ KMS (S.E.N.W) TO \_\_\_\_\_

9. DESCRIPTION OF WORK: **BLASTING** ☐ Yes ☒ No **GEOPHYSICAL** ☒ Yes ☐ No **GEOCHEMICAL** ☐ Yes ☒ No  
**LINE CUTTING** ☐ Yes ☒ No **PERCUSSION DRILLING** ☐ Yes ☒ No **CLEARING TREES** ☒ Yes ☐ No **DIAMOND DRILLING** ☒ Yes ☐ No

BRIEFLY DESCRIBE OPERATION (if other than above)

BLASTING: If blasting is involved give details of explosives, magazines, etc. (Subject to approval of the District Inspector):

Give Number of Existing Storage permit \_\_\_\_\_ or application for a permit is Attached (Y/N) \_\_\_\_\_

10. WATER SUPPLY (subject to approval under the Water Act): If stream give name Unnamed creeks draining to Thelwood Creek

Name or describe the source of water supply Runoff (Mt. Myra and Flower Ridge)

Quantity of water to be used \_\_\_\_\_ c.f.s. Location of water intake (show on plan) \_\_\_\_\_

11. WASTE WATER TREATMENT including disposal of drilling mud and sludge. (Subject to approval under the Waste Management Act): Describe treatment and disposal facilities (size of settling pond, recycling, distance to nearest stream, etc.) (Show on plan) Each drill site will have a sump approximately

5m x 5m x 2m deep to contain drilling return water.

12. SURFACE DISTURBANCE OFF THIS MINERAL PROPERTY:

Road Access construction: Total length \_\_\_\_\_ m Approx. width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>

Campsite No. of people: \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>

Other: Describe \_\_\_\_\_ Area \_\_\_\_\_ m<sup>2</sup>

13. SURFACE DISTURBANCE ON THIS MINERAL PROPERTY:

Settling ponds No. 10 length 5 m width 5 m Area 25 m<sup>2</sup>

Road Access construction: Total length \_\_\_\_\_ m Approx. width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>

Drilling: No. of sites 10 depth \_\_\_\_\_ length 16 m width 10 m Area 160 m<sup>2</sup>

Trenching: No. of trenches \_\_\_\_\_ depth \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>

Campsite: No. of people \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>

Test Pits: No. of pits \_\_\_\_\_ depth \_\_\_\_\_ length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>

Estimated number of workers 5-6

Underground work: Area of surface disturbance length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>

Rock Dumps: Area of surface disturbance length \_\_\_\_\_ m width \_\_\_\_\_ m Area \_\_\_\_\_ m<sup>2</sup>

Other: Describe \_\_\_\_\_ Area \_\_\_\_\_ m<sup>2</sup>

TOTAL AREA OF SURFACE DISTURBANCE 1600 m<sup>2</sup> (1 ha = 10,000 m<sup>2</sup>) 0.16 ha

EXISTING DISTURBANCE nil m<sup>2</sup> ADDITIONAL DISTURBANCE THIS YEAR 1600 m<sup>2</sup> PLANNED RECLAMATION THIS YEAR nil m<sup>2</sup>

14. PRESENT STATE OF LAND ON WHICH WORK IS PROPOSED:

Present Land Use (agriculture, forestry, etc.) Recreation Area Type of Vegetation mainly Alder secondary growth

Access Roads (Present use and condition) Class "B" park access road and trail access roads

Old workings (location, condition) \_\_\_\_\_

15. RECLAMATION PROGRAM: Proposed land use after reclamation Recreation Area

Describe protective measures and proposed site reclamation methods with reference to the items listed below. Attach separate sheets and plan, if necessary:

Topsoil handling (where applicable) Nil

Camp sites Nil

Trenches, Drill sites, Major excavations Drill sites - recontour to existing conditions

Roads Will maintain as trail access and exploration access

Revegetation of disturbed areas \_\_\_\_\_

Other \_\_\_\_\_

16. EQUIPMENT LIST Indicate make, number, size and capacity (all equipment to comply with the Mining Code):

(a) Unitized, track-mounted Boyles 37A or equivalent

(c) \_\_\_\_\_ (d) \_\_\_\_\_

(e) \_\_\_\_\_ (f) \_\_\_\_\_

(g) \_\_\_\_\_ (h) \_\_\_\_\_

17. FIRST AID FACILITIES (describe - including methods of communication and emergency transportation): Phone/radio, 1st Aid, Ambulance

at minesite - 5 km Location of nearest hospital Campbell River - 85 km Travel time to hospital 1 hr., 2 hrs by road

18. UNDERGROUND WORK ☐ Yes ☒ No If yes - attach a completed 'Underground Exploration Work Application for Approval' form.

19. Is any part of this property designated as a Uranium/Thorium Area? ☐ Yes ☒ No. If yes - has a survey been completed? ☐ Yes ☒ No Gazette Date \_\_\_\_\_

DENIS GREGOIRE

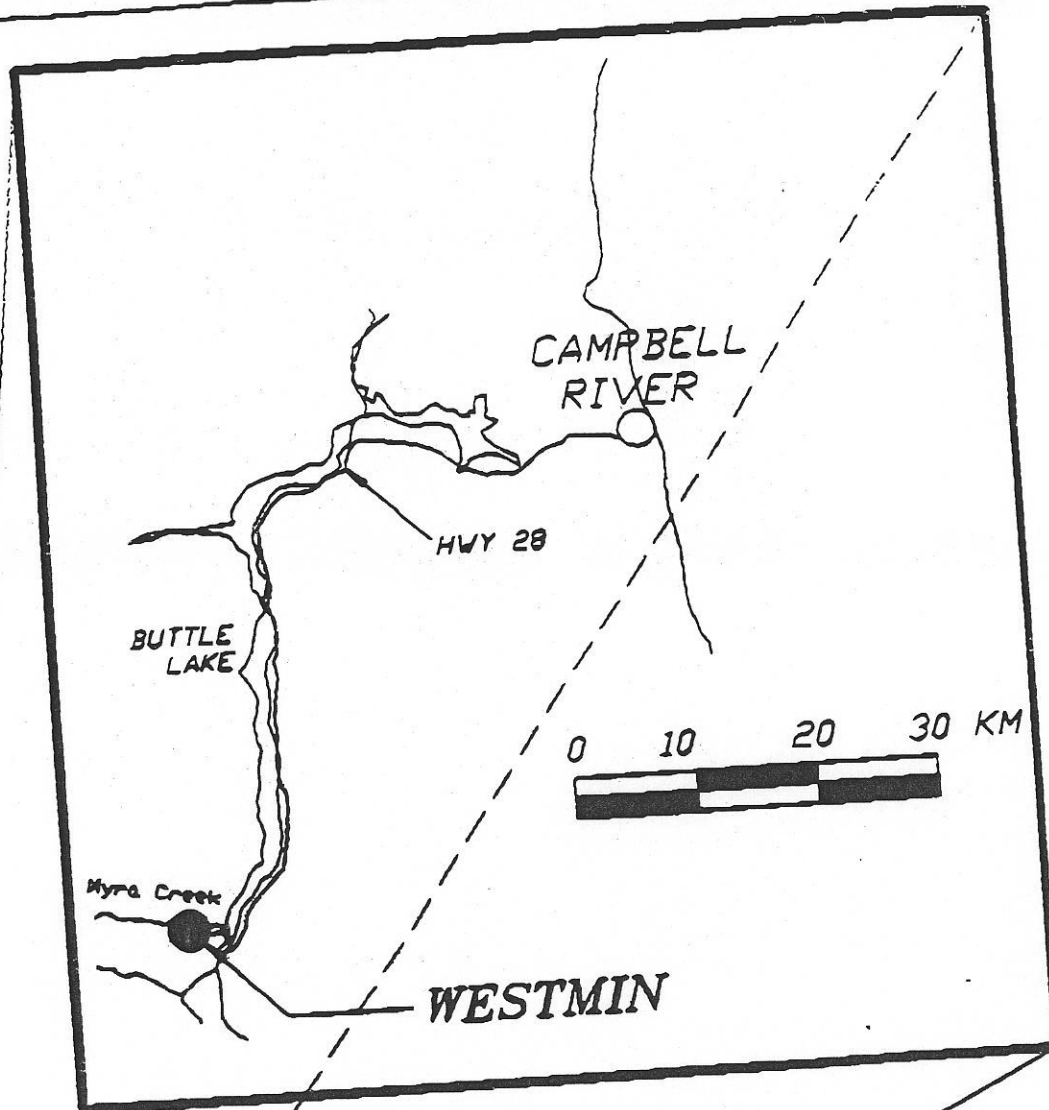
PRINT NAME OF APPLICANT

SIGNATURE OF APPLICANT

13MAY97

DATE OF APPLICATION

20. ATTACH A PLAN (OR PLANS) OF THE PROPOSED OPERATIONS (which may be drawn on 8-1/2" x 11" photocopies of standard map sheets of \_\_\_\_\_)



**WESTMIN RESOURCES LTD.**  
**MYRA FALLS OPERATIONS**  
**MYRA FALLS, B.C.**

**BRITISH COLUMBIA**

**LOCATION MAP**

