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TELKWA COAL PROJECT

Surface Work Permit #C-123

Annual Reclamation Report for Coal Exploration

Coal Licences Nos. 3709, 3710, 3875-3885 incl.

N.T.S. 93-L-11 (E $\frac{1}{2}$)

Lat.: 54⁰37'

Long.: 127⁰08'

By:

T. J. Adamson

Cyprus Anvil Mining Corporation

February 1979

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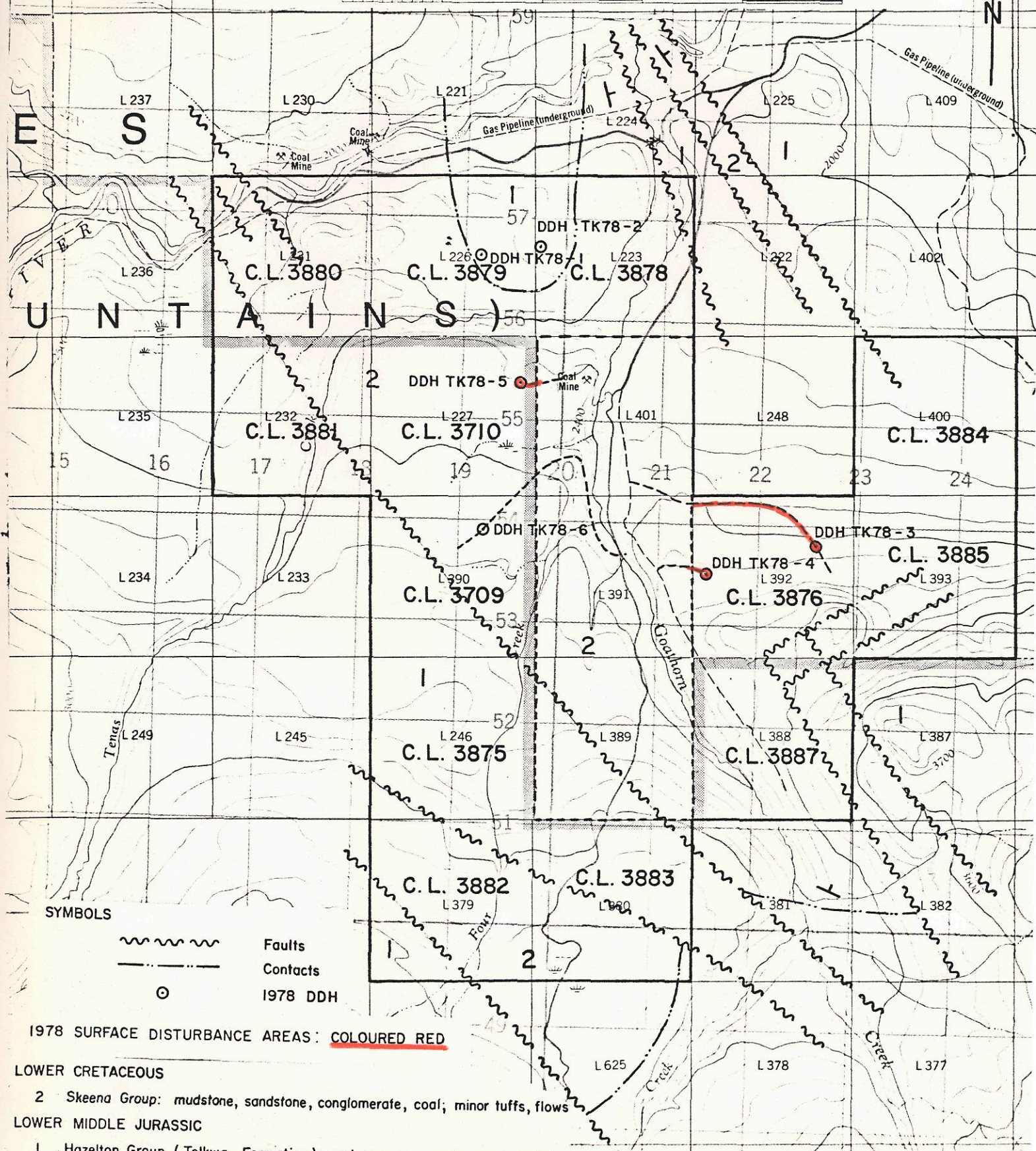
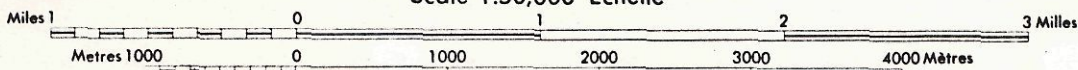
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CYPRUS ANVIL MINING CORPORATION
KEY MAP
TELKWA COAL PROJECT

Scale 1:50,000 Échelle



SYMBOLS



Faults



Contacts



1978 DDH

1978 SURFACE DISTURBANCE AREAS: COLOURED RED

LOWER CRETACEOUS

2 Skeena Group: mudstone, sandstone, conglomerate, coal; minor tuffs, flows

LOWER MIDDLE JURASSIC

1 Hazelton Group (Telkwa Formation): red, marron, purple, grey, varied pyroclastics and flows.

(ii)

Fig. 2

TELKWA COAL PROJECT

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Annual Reclamation Report for Coal Exploration

INTRODUCTION

During the 1978 summer field season, Cyprus Anvil Mining Corporation carried out a preliminary exploration program on a number of coal licences in the Telkwa, B.C. coal basin. Work carried out included the following:

- preparation of topographic base maps from existing B.C. Government aerial photography;
- geological mapping;
- preliminary diamond drilling;
- analysis of coal samples from drill core and surface exposures.

The results of the 1978 work program are somewhat inconclusive. Because of a general lack of outcrop, areas of very deep overburden cover, and an indicated high density of faulting, more exploration work is required to define the economic potential of this area.

Six diamond drill holes, totalling 651.7 m, were drilled in the period September 12 - September 24, 1978. The drilling was carried out by J. T. Thomas Diamond Drilling Ltd. of Smithers, B.C. All drill holes recovered NQ size core, using a conventional core barrel.

Drill holes are numbered TK 78-1 through TK 78-6 and are plotted on the geology map (Map No. 1, 1:10,000).

All 1978 drill sites were located along currently maintained logging or power line access roads, or along abandoned logging access roads. Some bulldozing (Bruce Kerr Contracting Ltd.) was required to clear deadfalls and alders along some stretches of old logging roads and to level drill sites. No new roads were constructed. No commercial timber was destroyed in the course of any road work or drill site clearing. No trenching was carried out on the coal licences during the 1978 field program.

SURFACE DISTURBANCE

Drill Sites:

<u>Hole No.</u>	<u>Area Disturbed</u>	
TK 78-1	-	(on cleared power line right-of-way)
TK 78-2	-	"
TK 78-3	800 m ²	
TK 78-4	800 m ²	
TK 78-5	625 m ²	
TK 78-6	-	
	<hr/>	
	2,225 m ²	

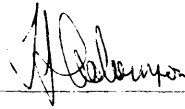
Access Roads:

- to TK 78-3:	1,300 m -	minor clearing of mainly alder-type vegetation along abandoned logging road.	6,500 m ²
- to TK 78-4:	150 m -	"	750 m ²
- to TK 78-5:	100 m -	"	500 m ²
			<hr/>
	TOTAL		7,750 m ²
			2,225 m ²
			<hr/>
	TOTAL DISTURBED AREA:		9,975 m ²
		= Say:	1.0 ha.

RECLAMATION

Drill sites have been recontoured using a bulldozer. All drill site and road disturbed areas are in relatively flat terrain and have been left in a stable, non-erosive condition. All reseeding of 1978 disturbed areas has been deferred until spring or summer of 1979.

Respectfully submitted,



T. J. Adamson
Geologist

APPENDIX I

CYPRUS ANVIL MINING CORPORATION

TELKWA PROJECT

SUMMARY OF EXPLORATION AREAS DISTURBED AND REVEGETATED

TO DECEMBER 31, 1978

Type of Disturbance	Length (km)	Disturbed Area (ha)	REVEGETATION				Total Area Receiving Work (ha)	Total Not Seeded
			Area Recontoured (ha)	Area Seeded (ha)	Area Fertilized (ha)			
Roads	1.55	.78					.78	
	Number							
Test Pits								
Trenches								
Adits								
Drill Sites	6	.22	.22			.22	.22	
Other								



- SYMBOLS**
- GEOLGICAL CONTACT
 - BEDDING
 - SYNGLINE
 - ANTICLINE
 - FAULT
 - ROAD (AREA OF 1978 SURFACE DISTURBANCE - COLOURED RED)
 - DIAMOND DRILL HOLE, 1978 (AREA OF SURFACE DISTURBANCE - COLOURED RED)
 - OLD DIAMOND DRILL HOLE SITE

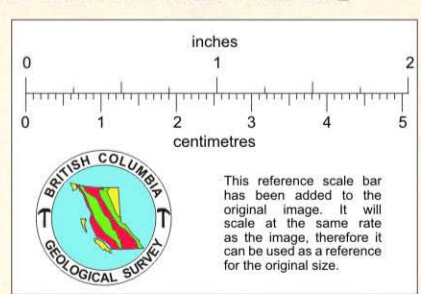


TABLE OF GEOLOGICAL FORMATIONS

LOWER CRETACEOUS	2 SHEENA GROUP - MUDSTONE, SANDSTONE CONGLOMERATE, COAL MINOR TUFF, FLOWS
	2a COAL MEMBER, (COAL, MUDSTONE, GRITTY MUDSTONE) (90+)
	2b MUDSTONE, SANDSTONE, CONGLOMERATE, MINOR THIN COAL (±130m)
	UNCONFORMITY
LOWER - MIDDLE JURASSIC	1 HAZELTON GROUP
	1 TELKWA FORMATION - VARIED RED, MAROON GREY PYROCLASTICS, FLOWS

CYPRUS ANVIL MINING CORPORATION
TELKWA PROJECT

GEOLOGY

SCALE 1:5,000
1:10,000

MAP No. 1

N.T.S. 95 L-11
SURVEY BY: T.J. ADAMSON
DRAWN BY: C.L. CORY

DATE: DECEMBER 19, 1978
SHEET 1 of 1

CYPRUS ANVIL MINING CORP
GATHORN CREEK

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