

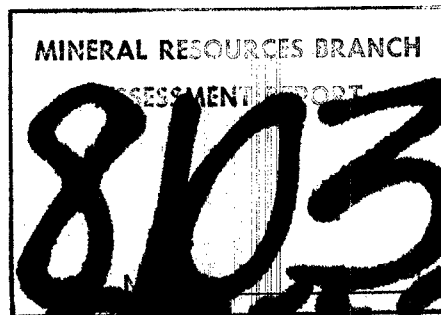
NORCEN ENERGY RESOURCES LIMITED  
ASSESSMENT REPORT  
GEOCHEMICAL PROGRAM  
GROUP XIX  
GOLDEN MINING DISTRICT  
BRITISH COLUMBIA

CLAIMS: WC9, WC11

LOCATION: 45 km south of Golden, British Columbia

LATITUDE: 50° 51' N

LONGITUDE: 116° 49' W



L. Smith, P. Geol.  
A. Slingsby

*[Handwritten signature]*  
L. Smith, P. Geol.  
A. Slingsby

*[Handwritten signature]*  
L. Smith, P. Geol.  
A. Slingsby

TABLE OF CONTENTS

SUMMARY

LOCATION & ACCESS

CLAIM STATUS

GEOCHEMICAL SAMPLING

ITEMIZED STATEMENT OF EXPENDITURES

STATEMENT OF QUALIFICATIONS

APPENDIX I

Geochemical Assay Certificates

LIST OF FIGURES

Location Map Scale 1:6,000,000

Location Map Scale 1:250,000

LIST OF MAPS

Land Holdings .....	Scale 1:50,000
Contoured Orthophoto .....	Scale 1:20,000
Soil Sample Locations .....	Scale 1:20,000
Ag Content in Soils (ppm) .....	Scale 1:20,000
Pb Content in Soils (ppm) .....	Scale 1:20,000
Zn Content in Soils (ppm) .....	Scale 1:20,000
Cu Content in Soils (ppm) .....	Scale 1:20,000
Fe Content in Soils (%) .....	Scale 1:20,000
Mn Content in Soils (ppm) .....	Scale 1:20,000
Rock and Stream Sediment Geochemistry .....	Scale 1:20,000

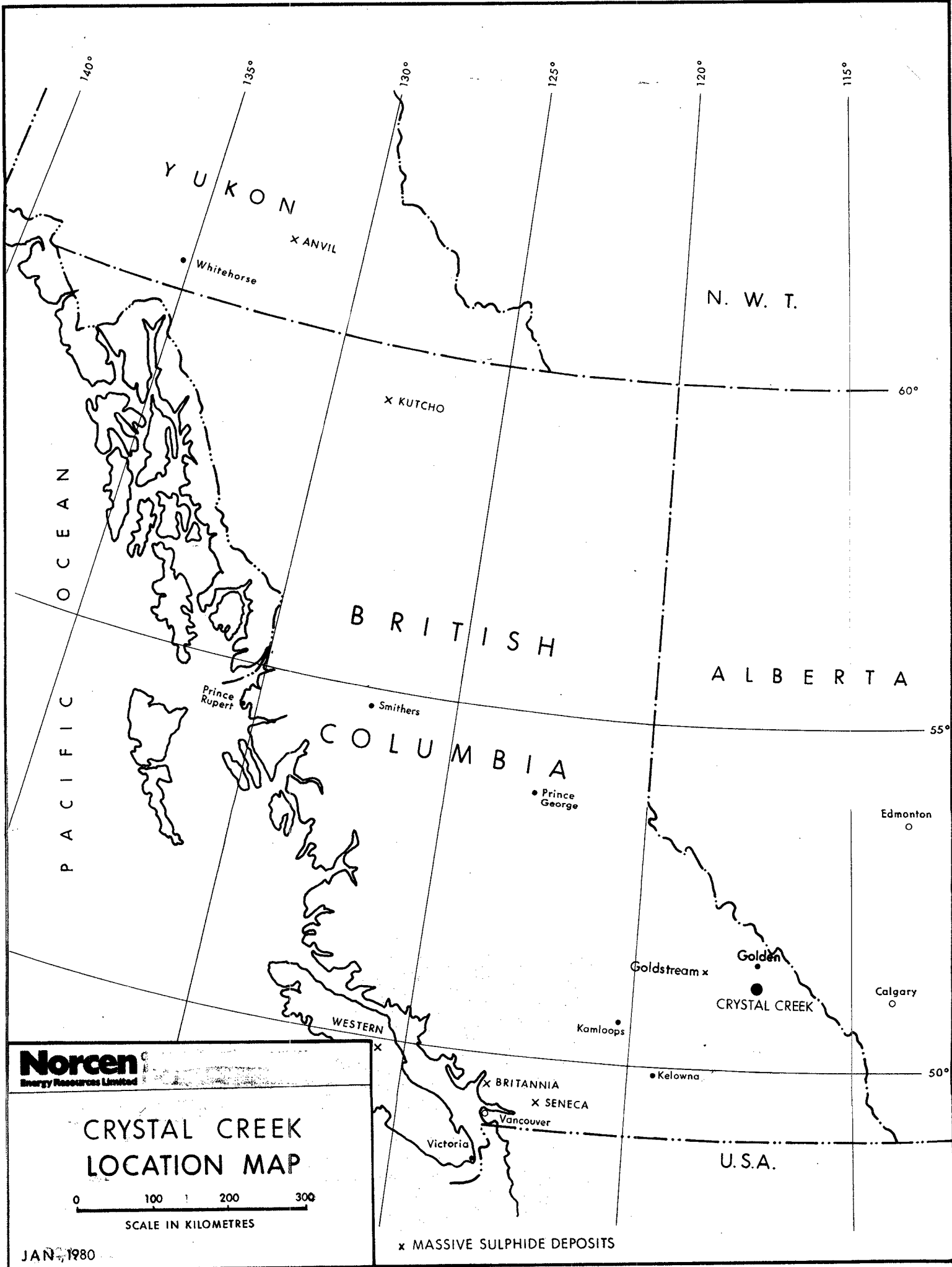
## SUMMARY

A total of 958 soil samples, 96 stream sediment samples and 26 rock samples were collected during a reconnaissance geochemical survey of the Crystal Creek property. The soil and stream sediments were analyzed for their content of iron, manganese, lead, zinc, copper and silver. Rock samples were analyzed by induction coupled argon plasma spectrometry for nine major oxides and 15 minor and trace elements. Of these samples 42 soil and 2 stream sediment samples were taken within the boundaries of Group XIX. An 1:20,000 orthophoto produced from 1976 Energy, Mines and Resources aerial photograph by North West Survey Corporation International Ltd. of Edmonton, Alberta, was used for control of sampling points. The samples were taken on May 29, June 7 and 8.

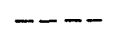


Soil samples were taken from B horizon where available. Notes as to topograph, vegetation, drainage, soil types, etc. were taken. Stream samples were taken where available. Rock samples were taken where soil was not available or where the rock appeared to have an anomalous metal content. The samples are generally of shale.

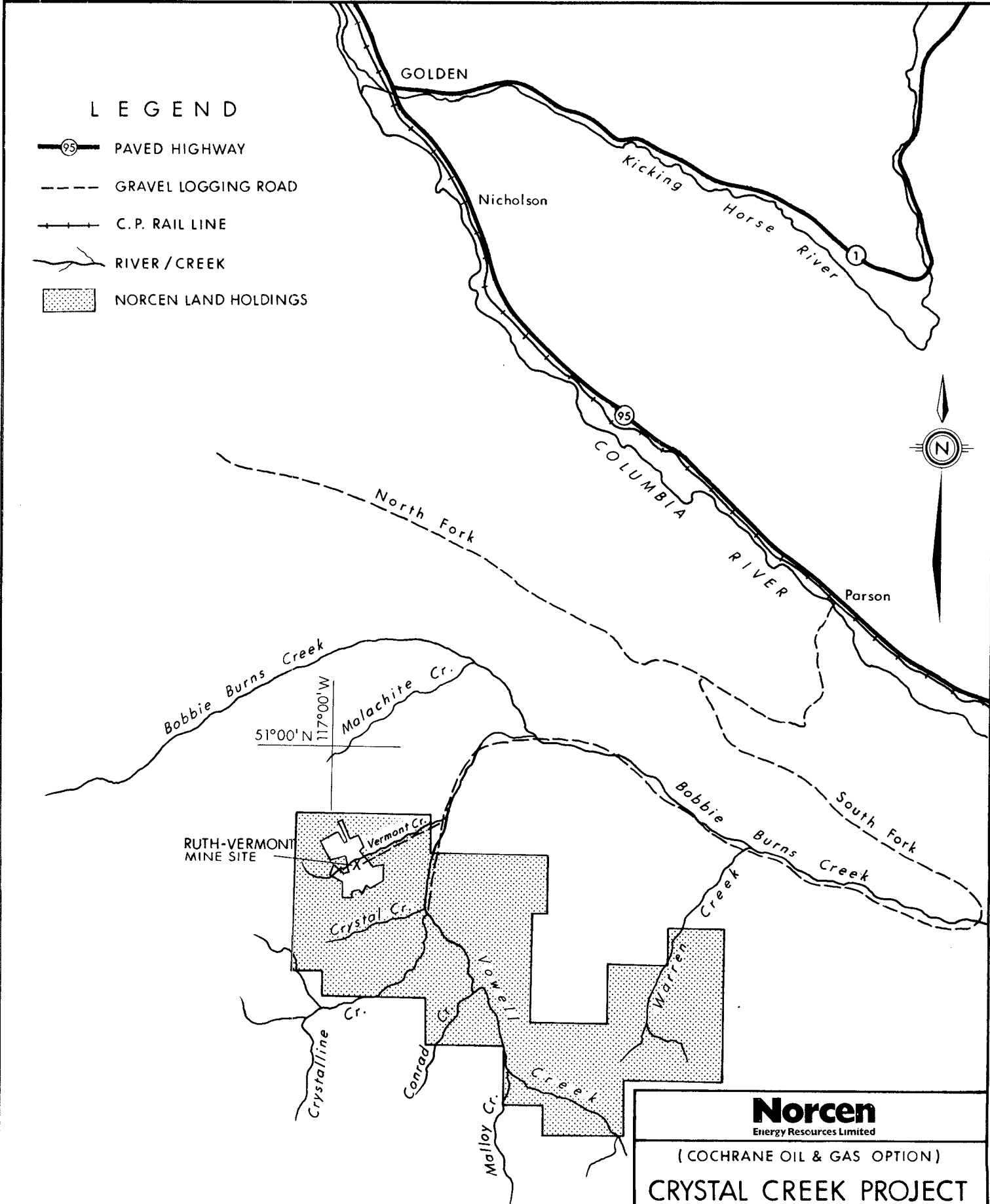
## LOCATION AND ACCESS

The claims are located in the Purcell Mountains approximately 45 kilometres south of Golden, British Columbia. Access to the property is by paved highway 95 to Parson, British Columbia and hence by 52 kilometres of logging road along Bobby Burns and Vowell Creeks.



L E G E N D

-  PAVED HIGHWAY
-  GRAVEL LOGGING ROAD
-  C. P. RAIL LINE
-  RIVER / CREEK
-  NORCEN LAND HOLDINGS



**Norcen**  
Energy Resources Limited

(COCHRANE OIL & GAS OPTION)

**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA  
**LOCATION MAP**

0                      5                      10 Km.

SCALE 1: 250,000

NTS 82-K-14E, 82-K-15W, 82-K-15E

CLAIMS STATUS

The WC6 and WC11 claims form part of the Crystal Creek property. They have been grouped together to form Group XIX.

Claim Name	Record Number	Recorded Date	# of Units
WC <del>6</del>	311	June 18, 1979	12
WC11	316	June 18, 1979	18



## GEOCHEMICAL SAMPLING

A total of 42 soil samples and 2 stream sediment samples were collected on Group XIX. All samples were sent to Barringer Magenta Limited of No. 105 3750 19th Street, N.E., Calgary, Alberta. The soil and sediment samples were analyzed for lead, zinc, silver, copper, iron and manganese by atomic absorption.

Statistical analysis of the data for the entire property produced the following means and standard deviations:

### Soils

	Mean	Standard Deviation
Ag (ppm)	.319	.25
Cu (ppm)	27.1	24.4
Pb (ppm)	22.4	54.3
Zn (ppm)	65.0	43.4
Mn (ppm)	344	478
Fe (%)	3.41	1.19

## Stream Sediments

	Mean	Standard Deviation
Ag(ppm)	.206	.132
Cu(ppm)	33.0	22.8
Pb(ppm)	13.5	8.7
Zn(ppm)	52.0	31.3
Mn(ppm)	372	192
Fe(ppm)	4.15	1.28

Analysis of the soil samples from Group XIX showed that the area is strongly depleted in metal content, excepting iron and zinc which are average. This was also reflected by the stream sediment samples.

ITEMIZED STATEMENT OF EXPENDITURES

A. SALARIES

A. Slingsby- Project Preparation - April 15	\$	125 00
- Supervision - June 4		125 00
P. Collender - Geochemical Sampling, May 29, June 7		250 00
D. Meyer - Geochemical Sampling - May 29		90 00
L. Hettinga - Geochemical Sampling - June 7		90 00
R. Laird - Geochemical Sampling - June 7, 8		250 00
R. Pryde - Geochemical Sampling - June 7, 8		180 00

B. ACCOMODATION AND MEALS

9 man days @ \$41/day		369 00
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C. TRANSPORTATION

Truck Rental 4 days @ \$23.50/day		94 00
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D. ASSAYING AND ORTHOPHOTO

42 soils @ \$6/sample		252 00
2 stream @ \$5/sample		10 00
30 units (photo) @ \$10/unit		300 00

TOTAL EXPENDITURES		<u>\$2 135 00</u>
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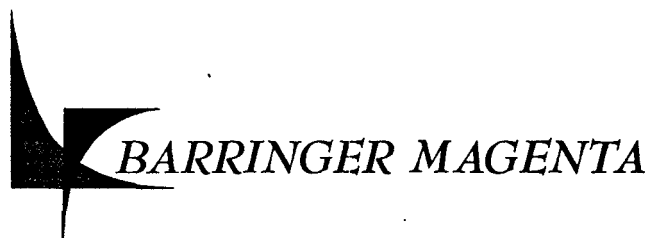
STATEMENT OF QUALIFICATIONS

I, Laurie James Smith, of the City of Calgary in the Province of Alberta, do hereby state:

1. I am a graduate of the Univeristy of Calgary with a B Sc degree in Geology.
2. I have been involved in all phases of geological exploration in many areas of Canada (British Columbia, Alberta, Saskatchewan, Northwest Territories, Ontario, Quebec, Nova Scotia and New Brunswick) since graduation.
3. I supervised the geochemical soil sampling on Group XIX.
4. I am a member of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.
5. I am the holder of valid Free Miners License Number 197331.

Laurie J. Smith

APPENDIX I  
ASSAY CERTIFICATES



BARRINGER MAGENTA LIMITED  
 OFFICES & MINERALS  
 LABORATORY:  
 3750 - 19th ST., N.E., SUITE 105  
 CALGARY, ALBERTA T2E 6V2  
 PHONE: (403) 276-9701  
 TELEX: 03-827584

AUTHORITY: ART SLINGSBY

03/SEP/80  
 PAGE 1 OF 6  
 WORK ORDER # NORCEN

SAMPLE GROUP #19

NORCEN ENERGY RESOURCES  
 715-5TH AVE. S.W.  
 CALGARY, ALBERTA  
 T2P 2X7

\*\*\*FINAL REPORT\*\*\*

G E O C H E M I C A L L A B O R A T O R Y R E P O R T

SAMPLE TYPE:  
 SOIL

SAMPLE NUMBER	AG PPM	CU PPM	FE %	MN PPM	PB PPM
3144	.2	18.	3.2	200.	9.
3145	.2	26.	4.	180.	10.
3146	.2	15.	3.1	150.	9.
3181	.1	37.	4.81	194.	13.
3182	N D	25.	4.64	550.	11.
3183	N D	25.	4.16	247.	11.
3184	N D	13.	2.4	49.	8.
3185	.2	25.	4.06	242.	16.
3186	.3	37.	4.76	267.	18.
3187	.2	24.	4.31	232.	9.
3188	.3	54.	5.08	330.	9.
3189	.4	25.	3.44	254.	13.
3190	.3	15.	3.96	254.	11.
3191	N D	14.	3.77	212.	9.
3192	.5	28.	3.58	220.	15.
3193	.1	13.	2.12	195.	6.
3194	.3	22.	3.98	136.	12.
3195	N D	19.	4.12	206.	9.
3196	.2	25.	4.31	334.	11.
3197	N D	23.	3.36	330.	15.
3198	N D	19.	4.18	160.	12.
3199	.2	13.	2.46	67.	15.
3200	.3	42.	4.45	296.	17.
3201	.1	45.	4.49	210.	25.
3202	.2	26.	4.02	264.	13.
5001	.5	20.	2.85	137.	12.
5002	.8	22.	4.01	205.	10.
5003	.1	24.	4.28	243.	9.
5004	.3	14.	3.92	218.	8.
5005	.1	15.	3.69	210.	9.

\*P=QUESTIONABLE PRECISION; \*I=INTERFERENCE; IS=INSUFFICIENT SAMPLE  
 NA=NOT ANALYZED; ND=NOT DETECTED; MS=MISSING SAMPLE; T=TRACE



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03/SEP/80  
 PAGE 2 OF 6  
 WORK ORDER # NORCEN

SAMPLE GROUP #19

NORCEN ENERGY RESOURCES  
 715-5TH AVE.S.W.  
 CALGARY, ALBERTA  
 T2P 2X7

\*\*\*FINAL REPORT\*\*\*

G E O C H E M I C A L L A B O R A T O R Y R E P O R T

SAMPLE TYPE:

SOIL

SAMPLE NUMBER	AG PPM	CU PPM	FE %	MN PPM	PB PPM
5006	.1	16.	3.32	148.	5.
5007	.3	14.	3.26	386.	9.
5008	N D	15.	3.03	310.	11.
5009	N D	21.	3.31	195.	9.
5010	.3	19.	3.58	150.	6.
5011	.1	19.	3.87	177.	6.
5012	.2	11.	3.17	112.	9.
5013	.4	18.	3.29	170.	9.
5014	.1	13.	3.65	397.	8.
5019	N D	12.	1.97	106.	11.
5020	.2	7.	1.05	65.	5.
5021	.1	29.	3.49	321.	8.

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AUTHORITY: ART SLINGSBY

03/SEP/80  
PAGE 3 OF 6  
WORK ORDER # NORCEN

NORCEN ENERGY RESOURCES  
715-5TH AVE.S.W.  
CALGARY, ALBERTA  
T2P 2X7

SAMPLE GROUP #19

\*\*\*FINAL REPORT\*\*\*

G E O C H E M I C A L L A B O R A T O R Y R E P O R T

SAMPLE TYPE:

SOIL

SAMPLE NUMBER	ZN PPM
3144	56.
3145	75.
3146	64.
3181	73.
3182	77.
3183	73.
3184	23.
3185	75.
3186	87.
3187	74.
3188	90.
3189	68.
3190	78.
3191	72.
3192	60.
3193	40.
3194	64.
3195	74.
3196	68.
3197	56.
3198	65.
3199	27.
3200	80.
3201	58.
3202	74.
5001	30.
5002	67.
5003	76.
5004	61.
5005	65.





# BARRINGER MAGENTA

AUTHORITY: ART SLINGSBY

BARRINGER MAGENTA LIMITED  
OFFICES & MINERALS  
LABORATORY:  
3750 - 19th ST., N.E., SUITE 105  
CALGARY, ALBERTA T2E 6V2  
PHONE: (403) 276-9701  
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03/SEP/80  
PAGE 4 OF 6  
WORK ORDER # NORCEN

NORCEN ENERGY RESOURCES  
715-5TH AVE. S.W.  
CALGARY, ALBERTA  
T2P 2X7

SAMPLE GROUP #19

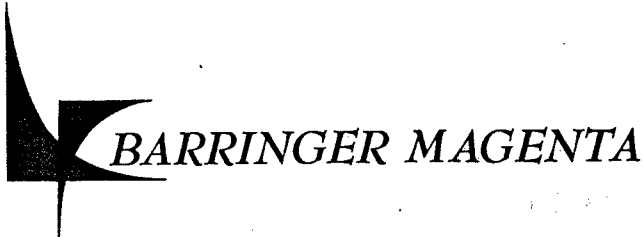
\*\*\*FINAL REPORT\*\*\*

## G E O C H E M I C A L L A B O R A T O R Y R E P O R T

SAMPLE TYPE:

SOIL

SAMPLE NUMBER	ZN PPM
5006	57.
5007	60.
5008	83.
5009	65.
5010	60.
5011	72.
5012	59.
5013	120.
5014	40.
5019	33.
5020	19.
5021	75.



AUTHORITY: ART SLINGSBY

03/SEP/80  
PAGE 5 OF 6  
WORK ORDER # NORCEN

NORCEN ENERGY RESOURCES  
715-5TH AVE. S.W.  
CALGARY, ALBERTA  
T2P 2X7

SAMPLE GROUP #19

\*\*\*FINAL REPORT\*\*\*

G E O C H E M I C A L L A B O R A T O R Y R E P O R T

SAMPLE TYPE:  
STREAM SEDIMENT

SAMPLE NUMBER	AG PPM	CU PPM	FE %	MN PPM	PB PPM
S 5001	N D	23.	4.17	245.	7.
5002	N D	29.	5.26	475.	7.

\*P=QUESTIONABLE PRECISION; \*I=INTERFERENCE; IS=INSUFFICIENT SAMPLE  
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03/SEP/80  
PAGE 6 OF 6  
WORK ORDER # NORCEN

SAMPLE GROUP #19

NORCEN ENERGY RESOURCES  
715-5TH AVE.S.W.  
CALGARY, ALBERTA  
T2P 2X7

\*\*\*FINAL REPORT\*\*\*

G E O C H E M I C A L L A B O R A T O R Y R E P O R T

SAMPLE TYPE:  
STREAM SEDIMENT

SAMPLE NUMBER	ZN PPM
S 5001	7.
5002	9.

WO NO:R0-0457 ANALYSTS DATE: 09/07/80 MATRIX: HF

FILE:T0-0457

SAMPLE ID	AL2O3 %	FE2O3 %	CaO %	MgO %	TiO2 %	MnO2 %	Na2O %	K2O %	P2O5 %
1146-R	22.8	8.76	.277	2.87	.402	.0821	.771	4.13	.13
2001-R	10.9	7.35	.124	.989	.282	.0243	.315	2.93	.14
2002-R	5.73	5.09	.512	.570	.0590	.110	.623	.932	.03
2003-R	11.3	7.19	1.05	2.10	.243	.229	.464	1.41	.06
2004-R	22.3	10.6	1.45	3.63	.533	.374	1.25	3.23	.11
5001-R	24.8	11.1	.213	3.34	.598	.119	1.06	3.58	.15
5002-R	21.8	9.24	.114	2.81	.571	.0673	.900	4.07	.09
5003-R	23.6	10.3	.084	2.19	.460	.118	1.05	3.17	.13
5004-R	7.84	4.76	1.37	.407	.103	.0871	1.40	.722	.02
1187-R	14.1	5.13	.119	2.97	.385	.0313	1.97	2.14	.05
1189-R	10.6	7.00	.090	2.48	.394	.0522	1.85	1.23	.05
1194-R	13.1	4.79	.078	1.58	.693	.0385	1.19	2.04	.03
2005-R	14.3	13.3	3.29	3.19	.422	.695	.755	1.63	.02
2006-R	15.6	10.7	3.19	3.18	.420	.761	.750	2.33	.06
2007-R	9.16	8.74	26.4	9.52	.166	2.12	.336	2.40	.18
2008-R	26.1	6.31	.169	1.98	.547	.0514	1.24	4.53	<.01
2009-R	24.1	8.77	.061	3.14	.565	.0513	1.12	3.58	.05
2010-R	24.5	12.8	.584	2.46	.313	2.28	1.02	3.83	.20
3001-R	8.61	4.03	.081	1.34	.126	.0574	2.82	.647	.03
3002-R	.625	1.12	.022	.0355	.0034	.0188	<.003	.102	<.01
3003-R	.592	2.82	.865	.0804	.0029	.0150	<.003	.118	.52
3004-R	.464	3.98	.048	.0277	.0033	.0536	<.003	.075	<.01
3005-R	1.95	38.5	.003	.0325	.0232	.0091	.019	.465	<.01
3006-R	4.60	6.28	2.15	1.07	.0545	.124	.185	.903	.07
5005-R	4.71	1.96	.774	.216	.0435	.0813	1.72	.405	.01
5006-R	19.3	8.64	.102	2.42	.416	.142	1.30	3.11	.09
5007-R	9.56	4.65	.470	1.24	.356	.0610	2.09	1.05	.04
5008-R	22.7	8.03	.168	2.38	.423	.105	1.21	3.66	.15

WD NO:R0-0457 ANALYSIS DATE: 09/07/80 MATRIX: HF

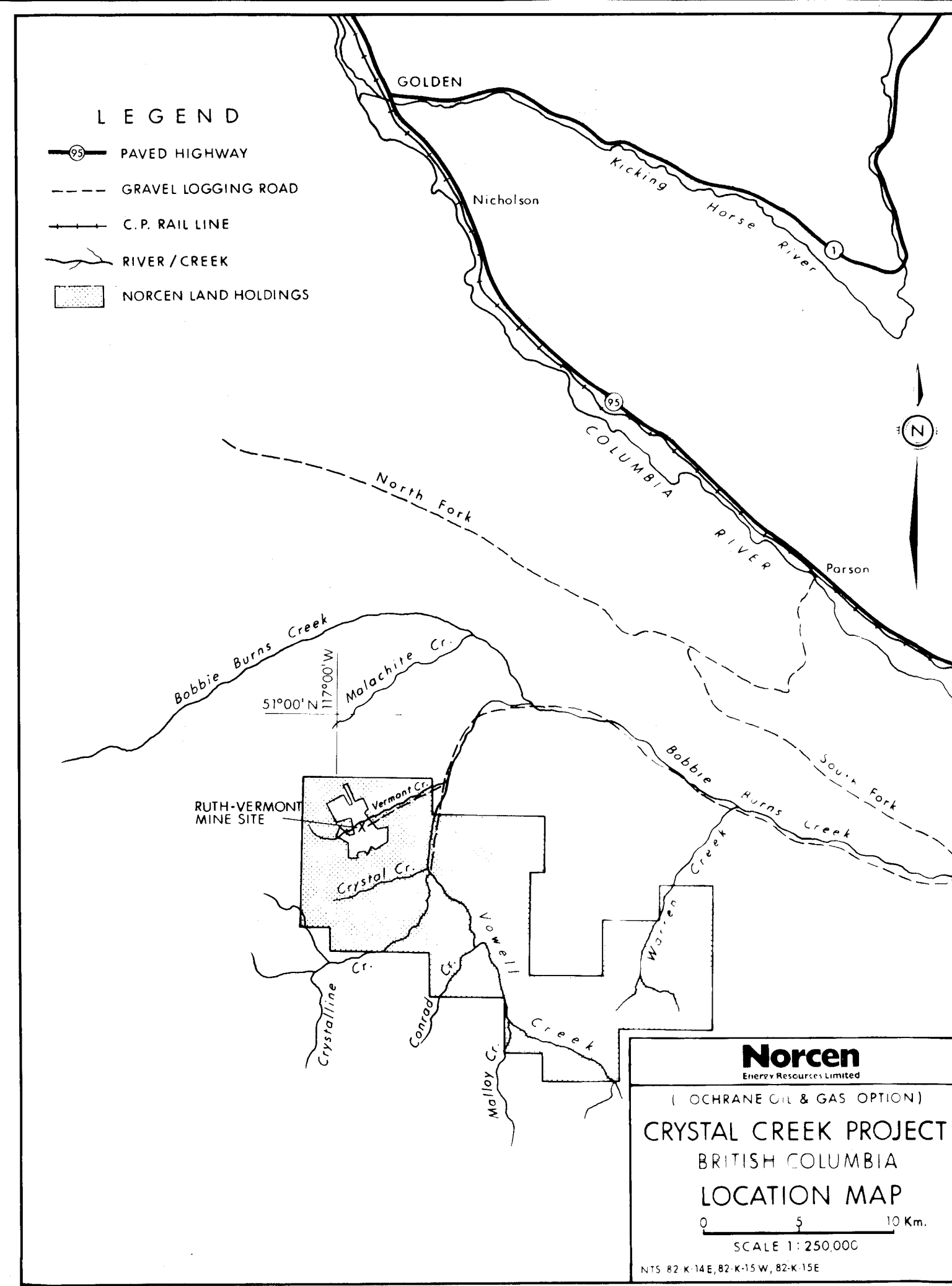
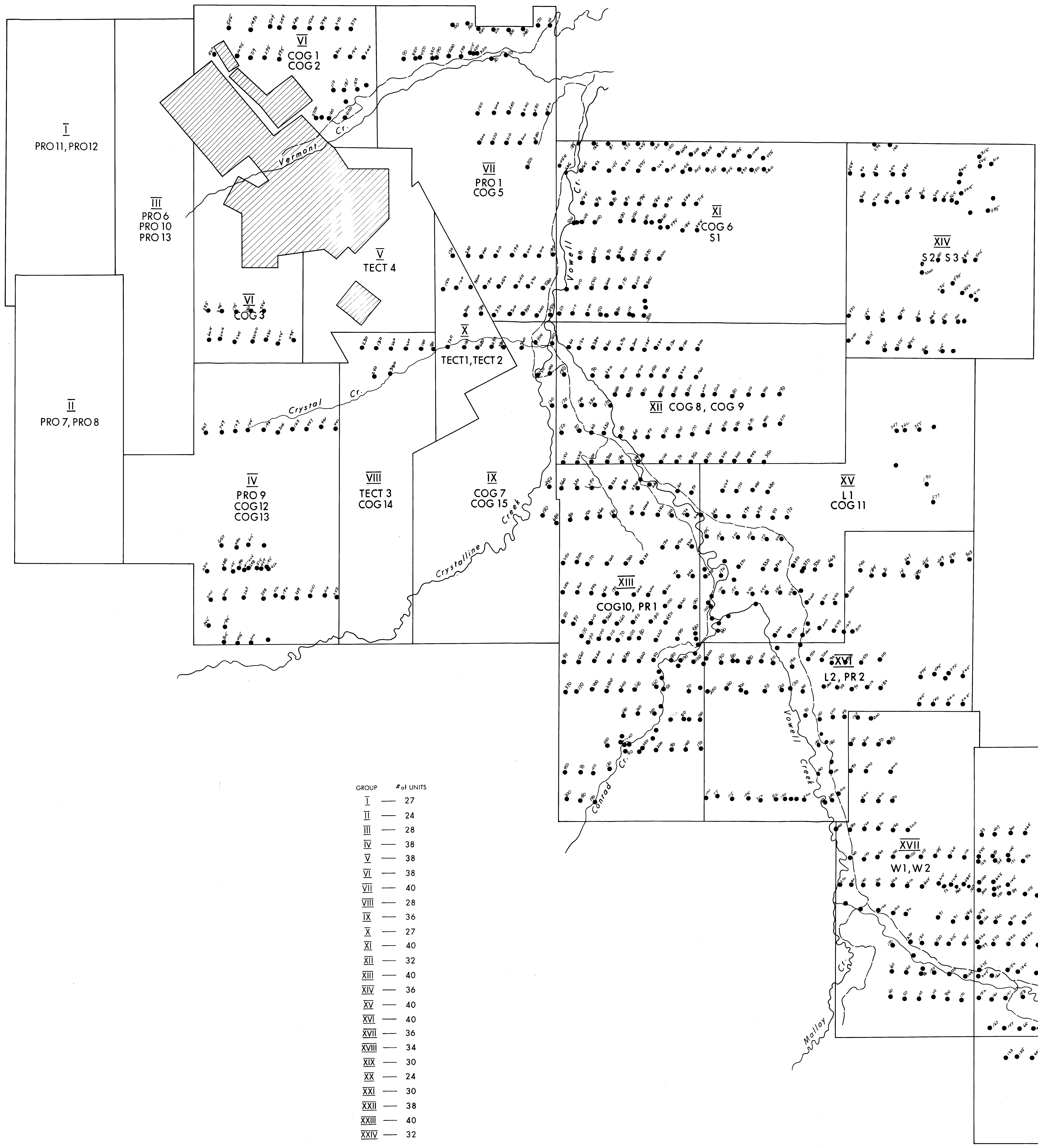
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SAMPLE ID	HF PPM	CD PPM	CR PPM	CO PPM	CU PPM	PB PPM	MT PPM	AG PPM
1146-R	2.0	<7	385	31	14.9	<5	68	<5
2001-R	1.2	<7	2240	40	27.4	35	26	<5
2002-R	.7	<7	1890	57	27.7	30	44	<5
2003-R	.9	<7	1180	46	68.1	<5	57	<5
2004-R	2.1	<7	322	46	45.5	15	95	<5
5001-R	2.4	<7	178	30	35.7	<5	78	<5
5002-R	2.0	<7	414	25	30.1	500	71	<5
5003-R	2.4	<7	341	29	33.9	<5	73	<5
5004-R	.7	7	1090	26	23.2	<5	36	<5
1187-R	1.3	<7	1120	28	7.1	<5	53	<5
1189-R	.6	<7	1700	36	23.1	15	60	<5
1190-R	1.5	<7	1130	29	9.1	<5	41	<5
2005-R	1.2	<7	502	38	47.6	10	88	<5
2006-R	1.6	<7	576	33	82.0	20	77	<5
2007-R	.9	10	84.9	17	5.1	70	32	<5
2008-R	3.5	<7	369	<3	8.1	10	40	<5
2009-R	2.5	<7	189	18	25.1	<5	58	<5
2010-R	2.9	<7	82.7	67	57.9	5	118	<5
3001-R	.4	<7	1120	23	9.5	25	37	<5
3002-R	.1	36	1480	23	833	41000	13	462
3003-R	.1	442	887	17	2000	10000	15	493
3004-R	.2	43	4560	64	9560	17200	47	263
3005-R	.4	<7	1100	152	94.3	1450	152	12
3006-R	.7	<7	1250	25	37.6	430	39	<5
5005-R	.2	<7	1580	24	8.9	165	17	<5
5006-R	2.1	<7	455	31	25.8	40	64	<5
5007-R	.6	<7	1240	31	2.9	75	39	<5
5008-R	2.5	<7	224	22	32.2	115	58	<5

WO NO:80-0457 ANALYSIS DATE: 09/07/80 MATRIX: HF

FILE:T0-0457

SAMPLE ID	SR PPM	TH PPM	ZR PPM	V PPM	Zn PPM	NO PPM
1146-R	68.3	23	80	100	93	<30
2001-R	41.8	20	56	124	27	40
2002-R	28.4	14	13	99.7	28	30
2003-R	48.9	18	49	103	72	40
2004-R	123	28	94	114	116	30
5001-R	110	22	97	118	112	<30
5002-R	83.3	19	119	120	114	<30
5003-R	115	25	94	113	102	<30
5004-R	44.2	12	22	73.9	33	<30
1187-R	67.8	8	45	104	39	<30
1189-R	43.3	9	33	113	52	<30
1194-R	43.3	28	42	153	36	<30
2005-R	83.0	13	46	111	132	<30
2006-R	121	15	90	106	87	<30
2007-R	274	11	37	45.4	41	<30
2008-R	149	14	99	122	77	<30
2009-R	114	18	93	118	95	<30
2010-R	137	15	81	100	184	30
3001-R	56.7	9	23	75.5	34	<30
3002-R	17.8	<6	<3	72.9	5090	<30
3003-R	64.0	<6	<3	36.3	86800	<30
3004-R	6.2	<6	<3	205	3990	<30
3005-R	13.8	<6	10	48.2	217	<30
3006-R	97.5	<6	10	77.9	86	<30
5005-R	19.2	<6	14	69.1	33	<30
5006-R	80.9	17	75	106	87	<30
5007-R	38.2	12	21	99.9	53	<30
5008-R	139	17	91	97.6	113	<30

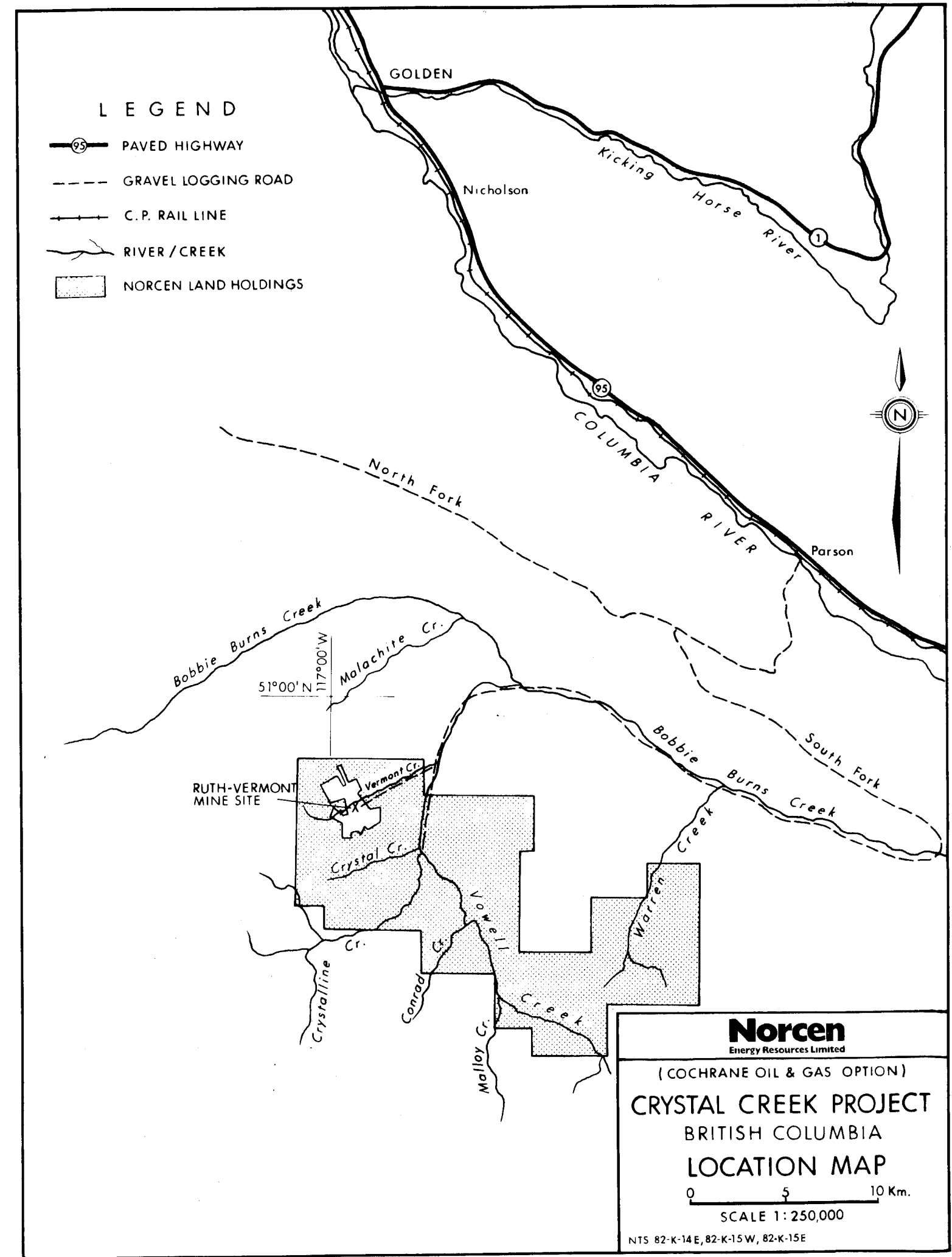
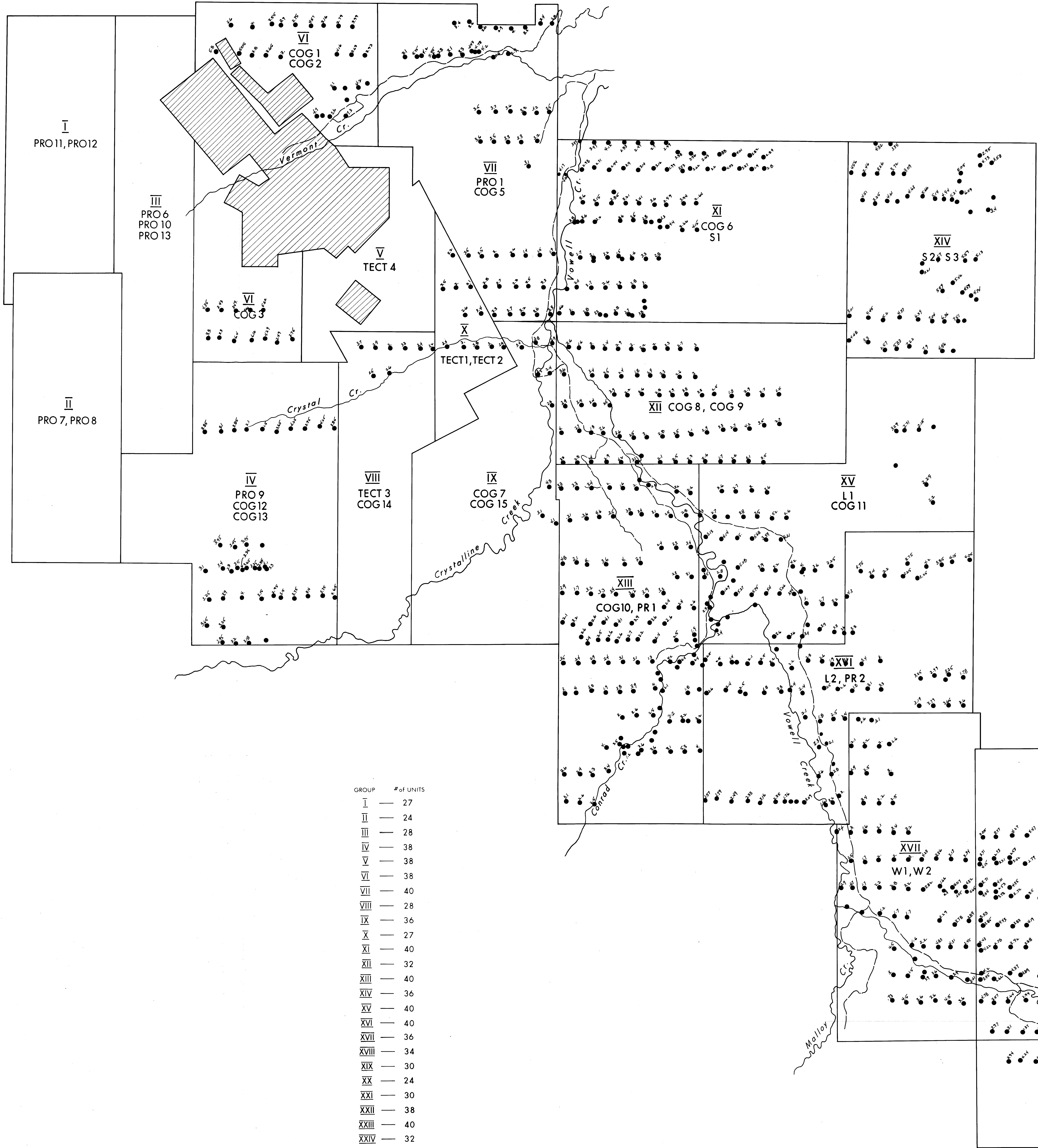


GROUP	# of UNITS
I	27
II	24
III	28
IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32

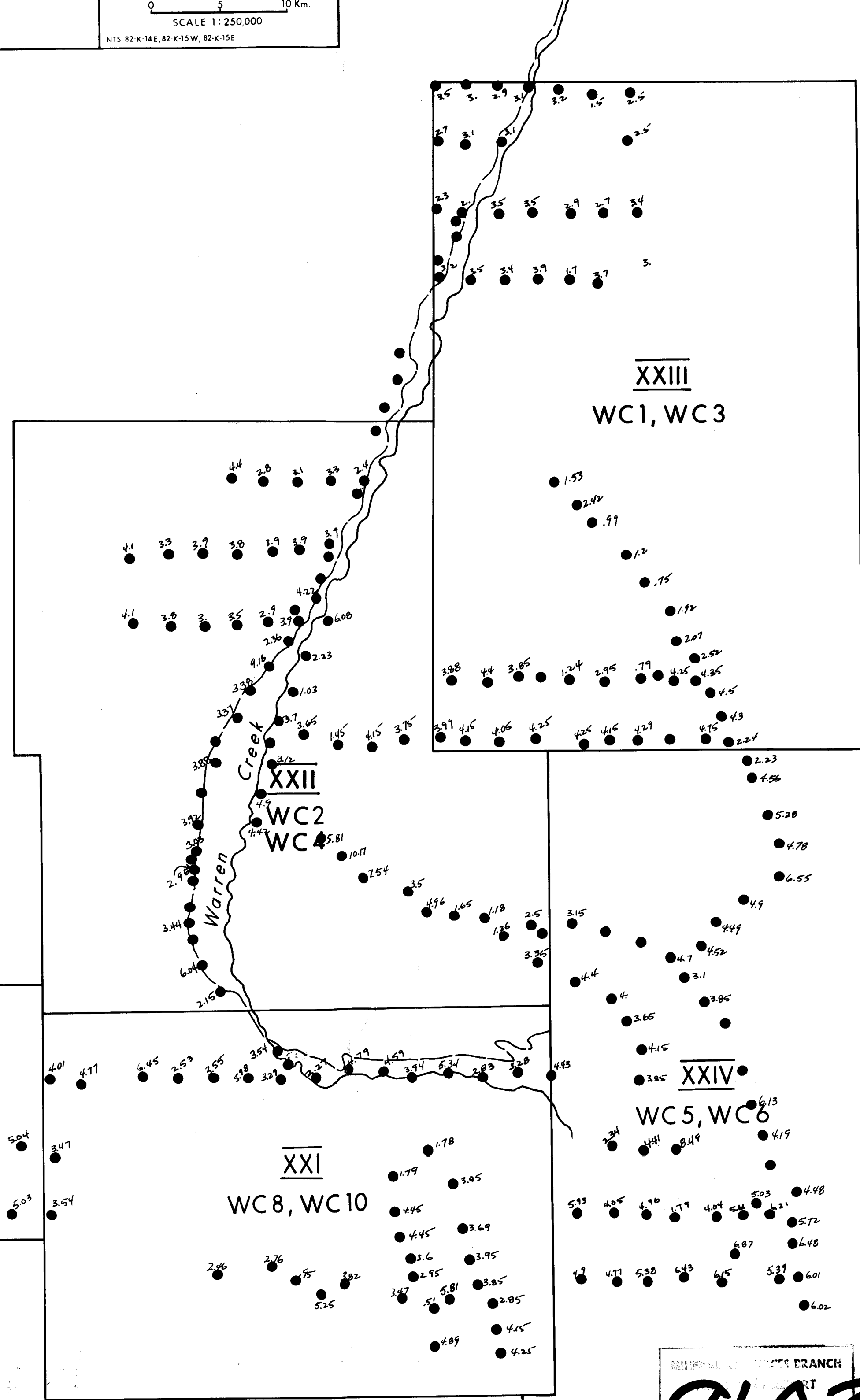
8103  
part 2  
of 2

**Norcen**  
Energy Resources Limited  
(COCHRANE OIL AND GAS OPTION)  
**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA  
**Mn content in soils**  
(ppm)

Scale 1:20,000  
NTS 82-K-14E, 15W, 15E  
JUNE, 1980



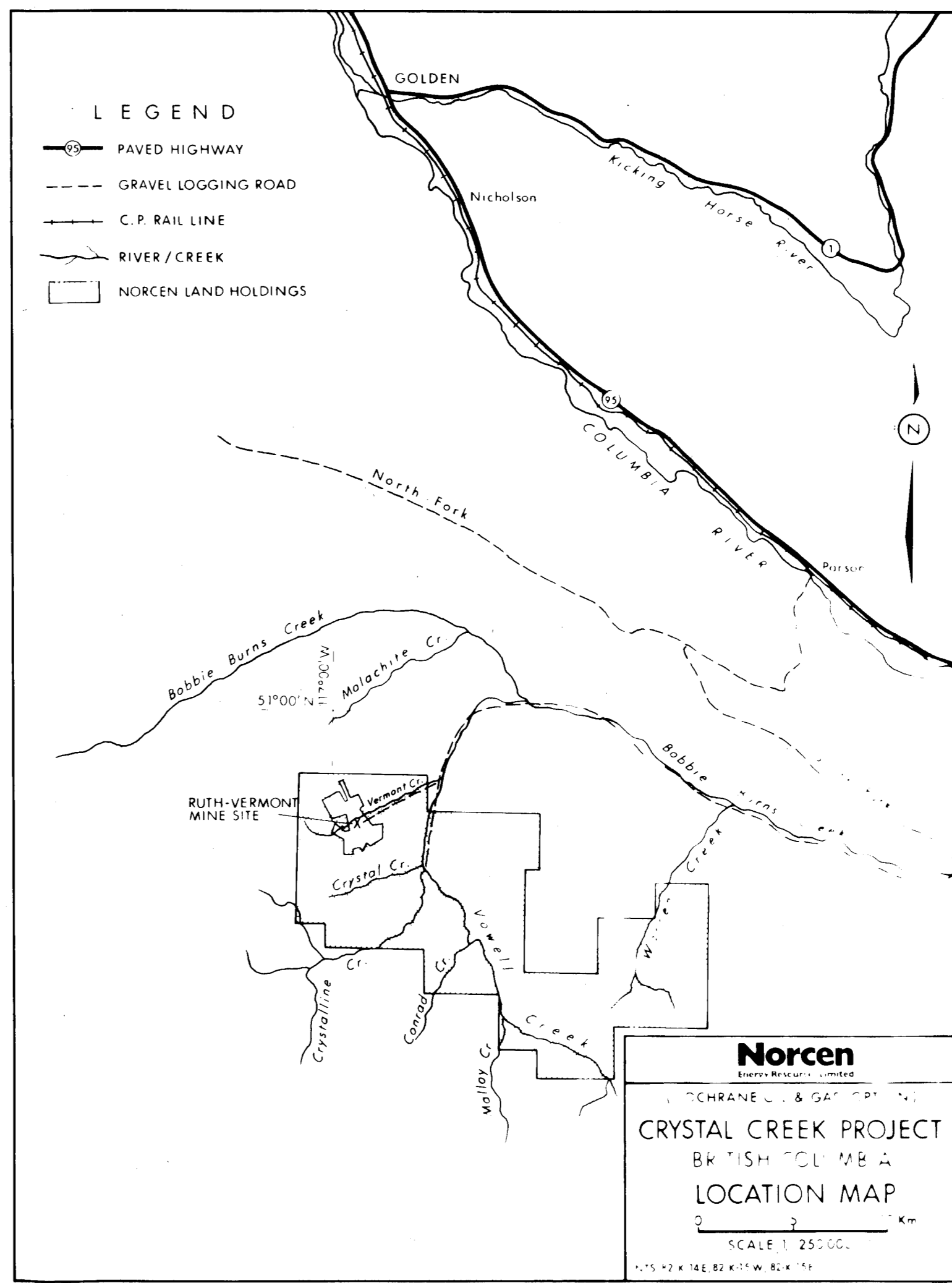
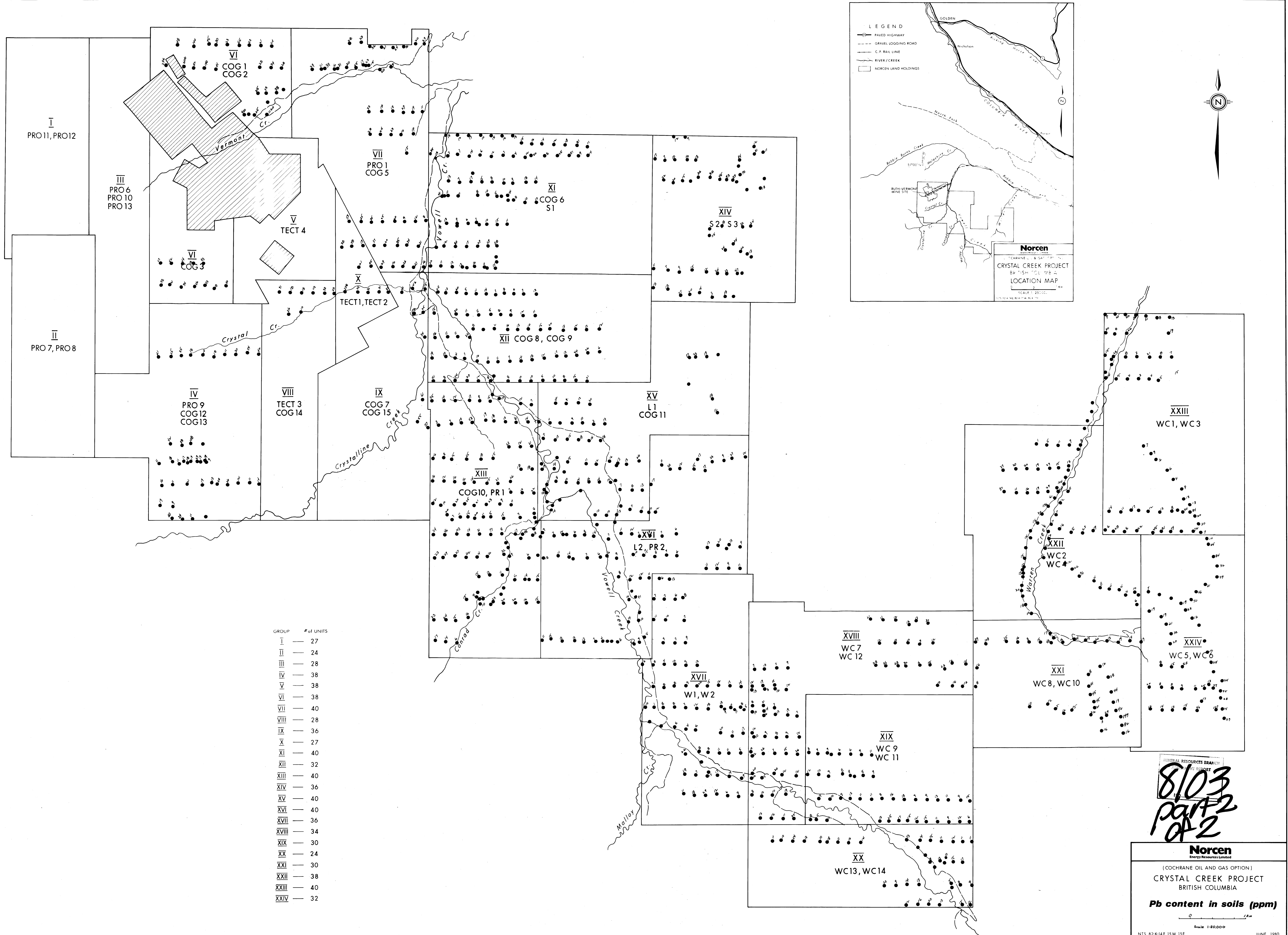
GROUP	# of UNITS
I	27
II	24
III	28
IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32



8103  
Part 2  
of 2

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**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA  
**Fe content in soils (1.)**  
Scale 1:80,000  
NTS 82-K14E, 15W, 15E  
JUNE, 1980

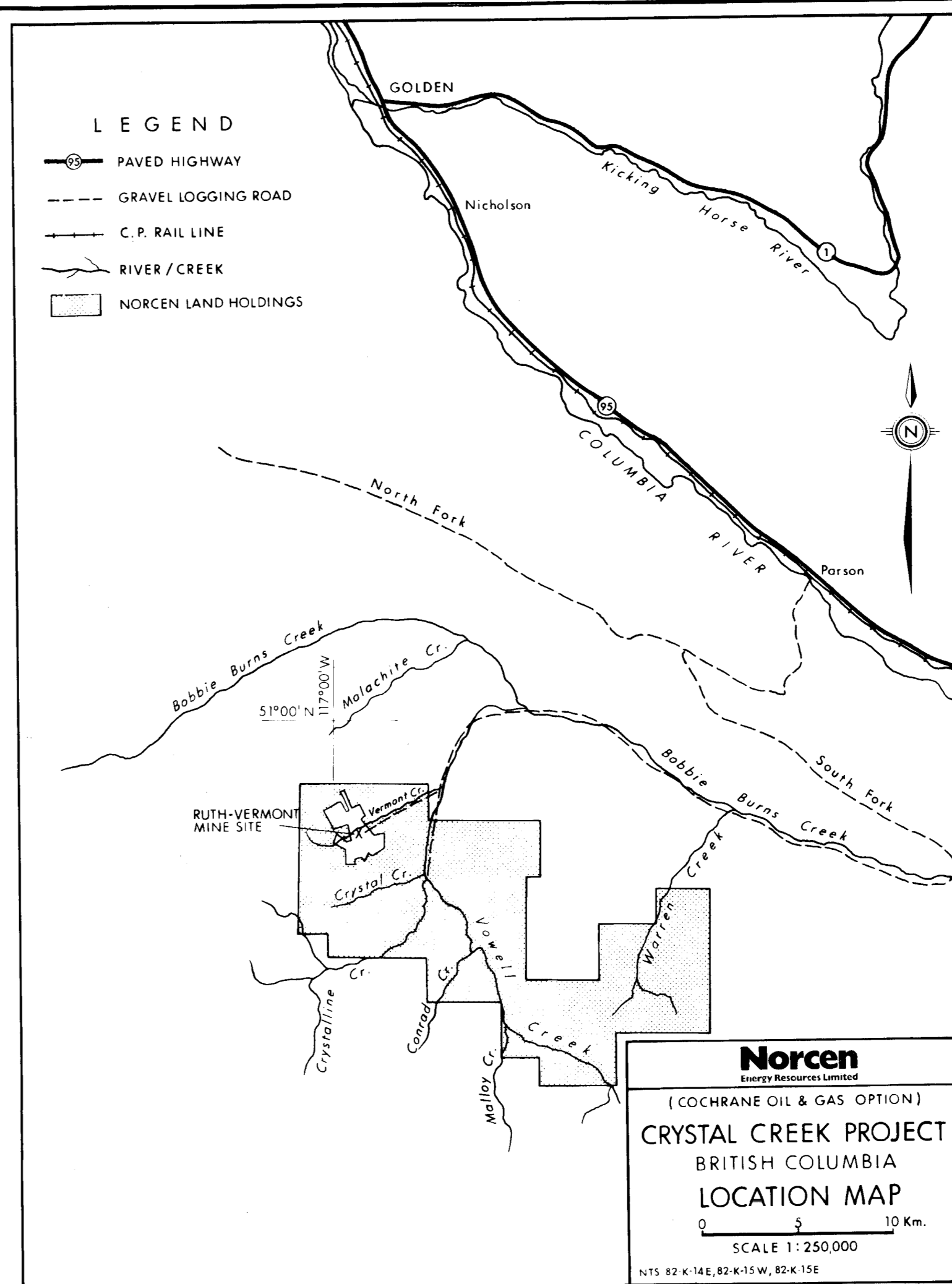
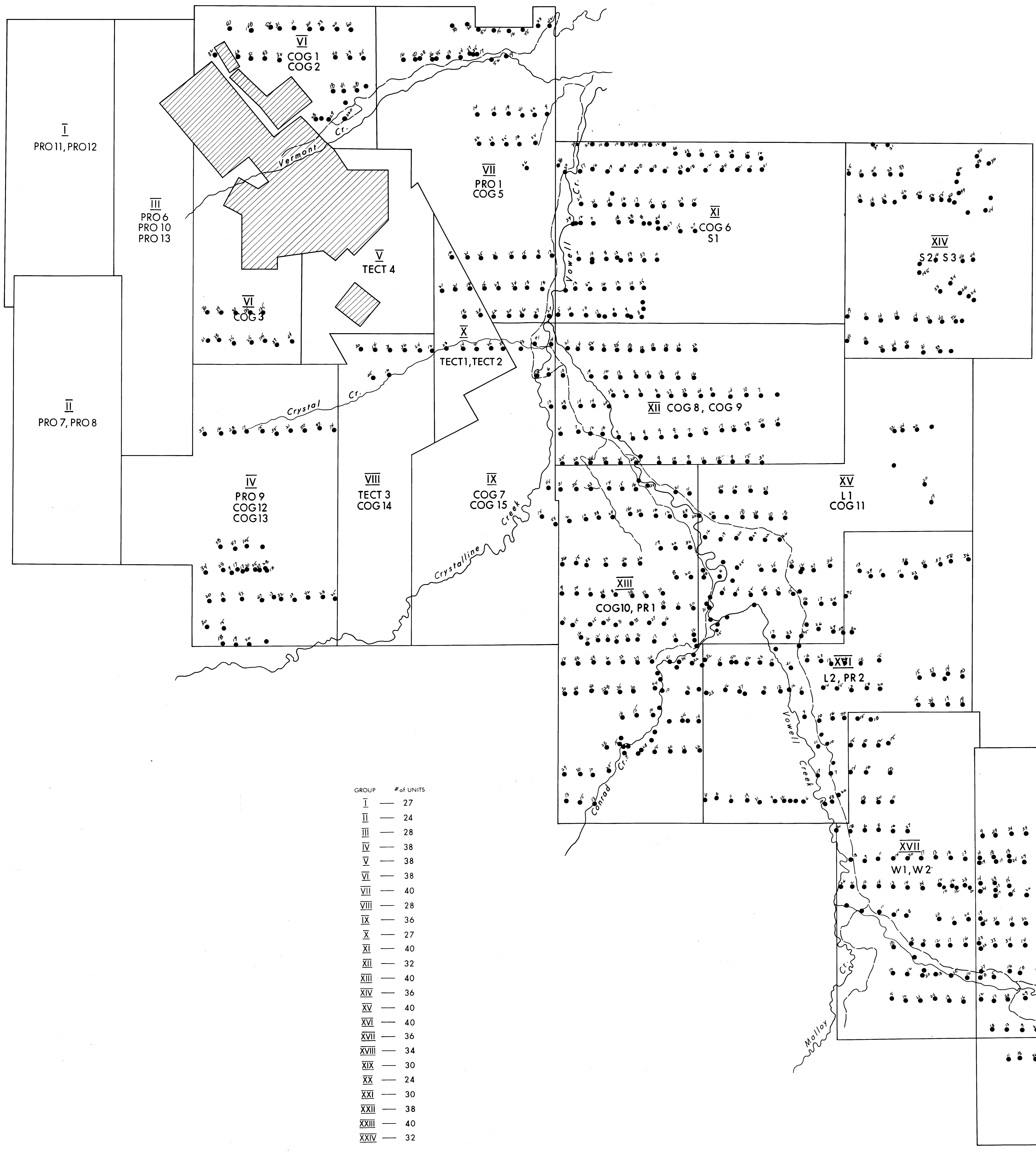




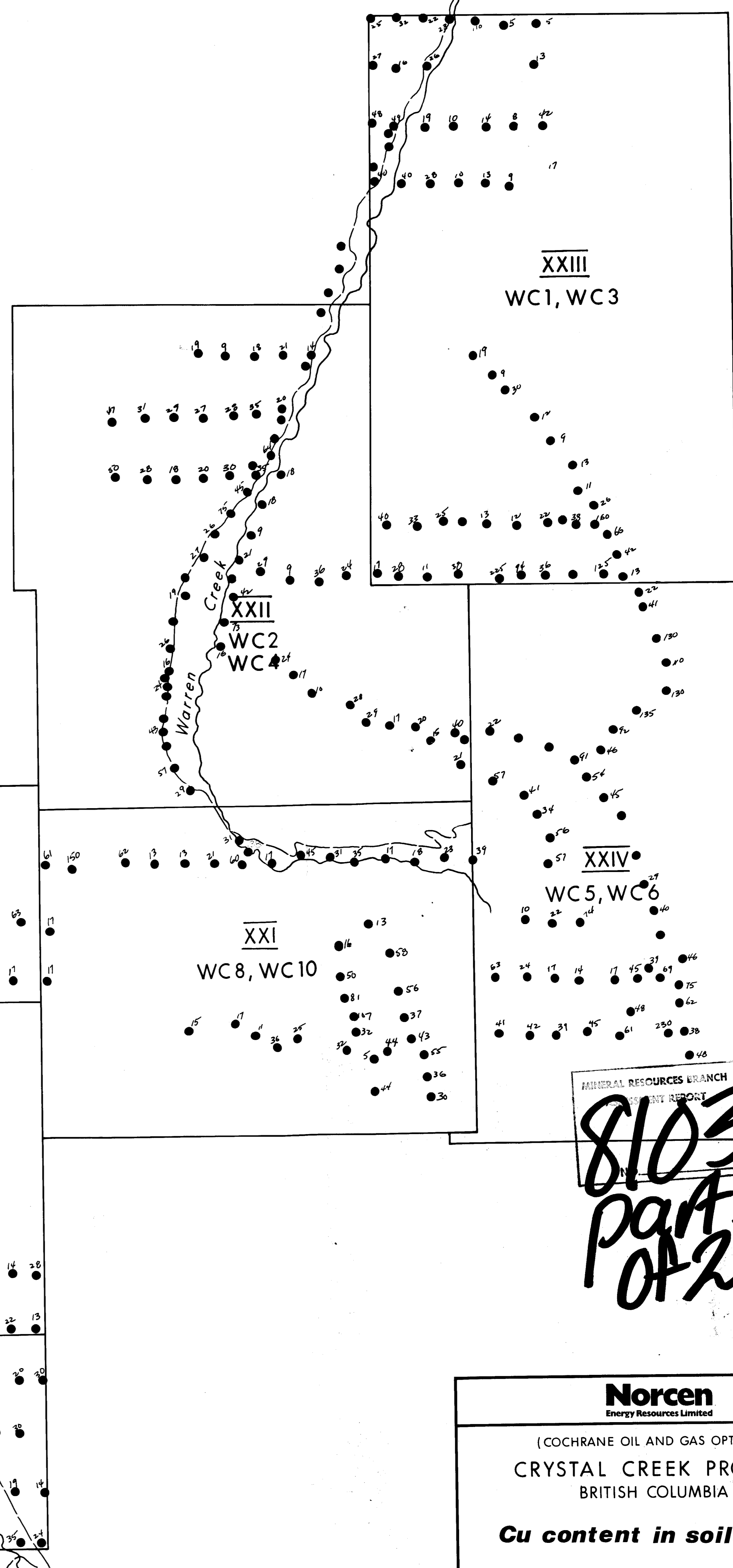
GROUP	# of UNITS
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IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
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XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32

8103  
part 2  
of 2

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**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA  
**Pb content in soils (ppm)**  
Scale 1:20,000  
NTS 82-K-14E, 15W, 15E  
JUNE, 1980



GROUP	# of UNITS
I	27
II	24
III	28
IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32



8103  
part 2  
of 2

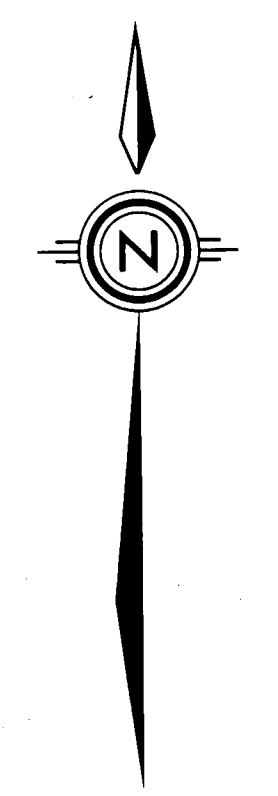
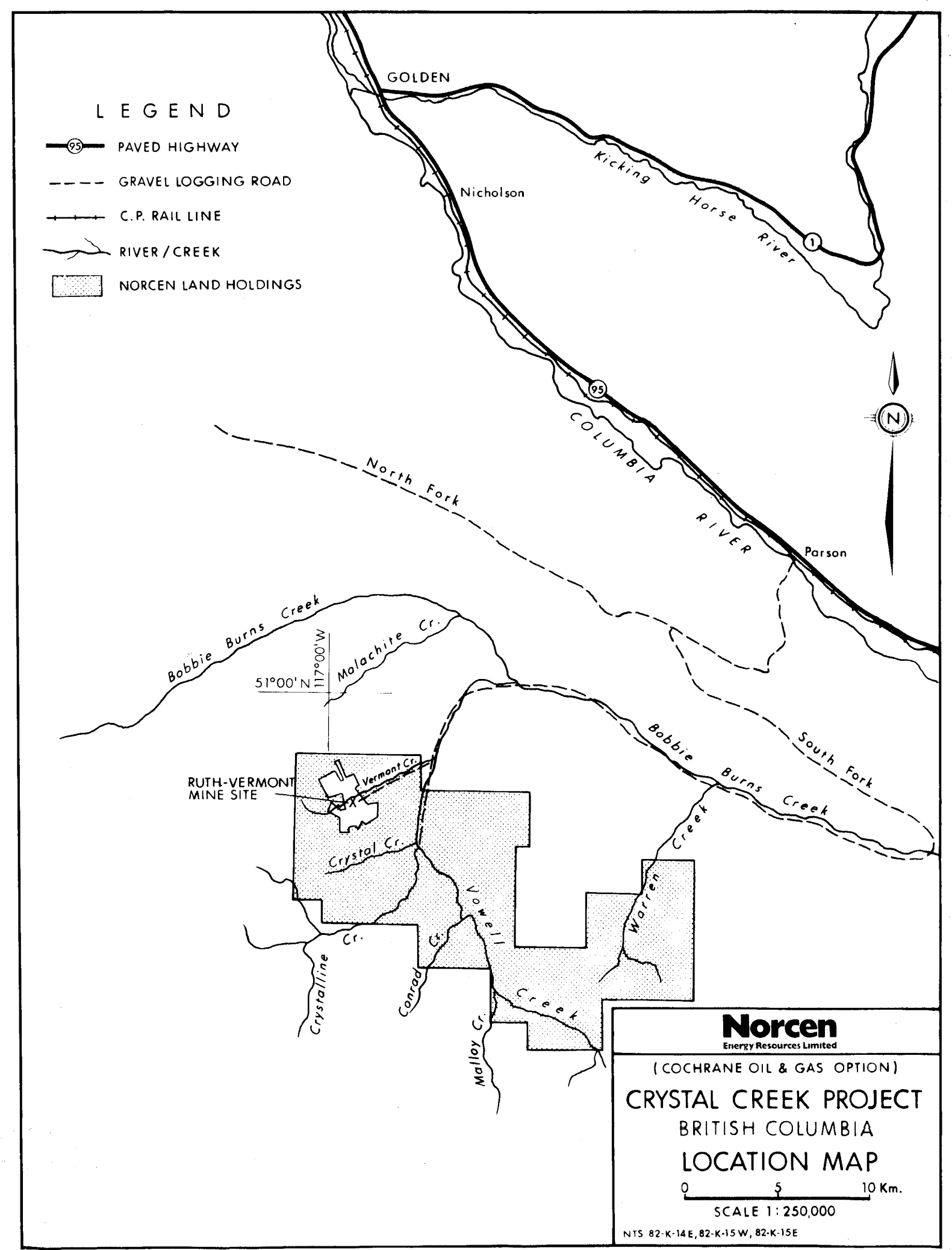
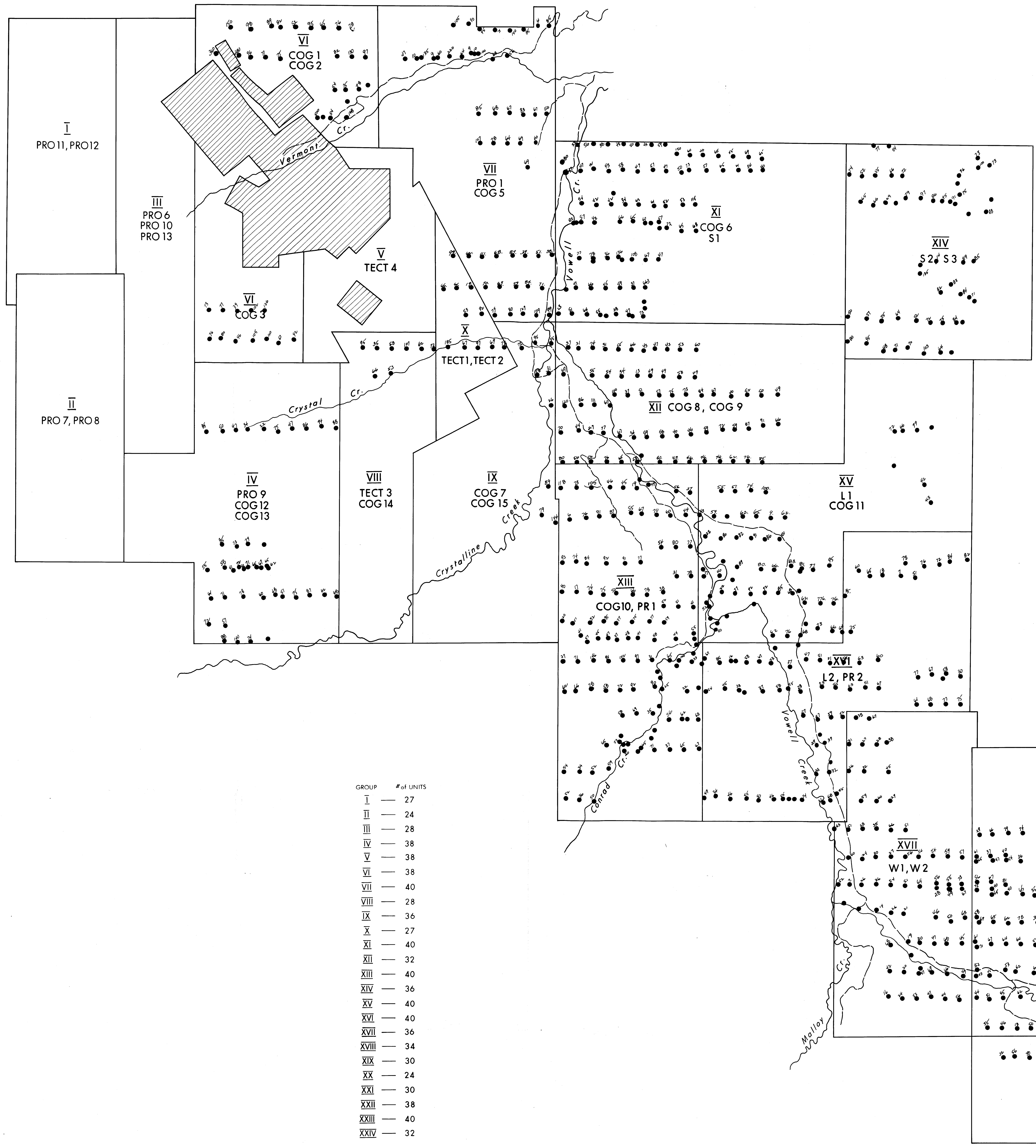
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(COCHRANE OIL AND GAS OPTION)  
**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA

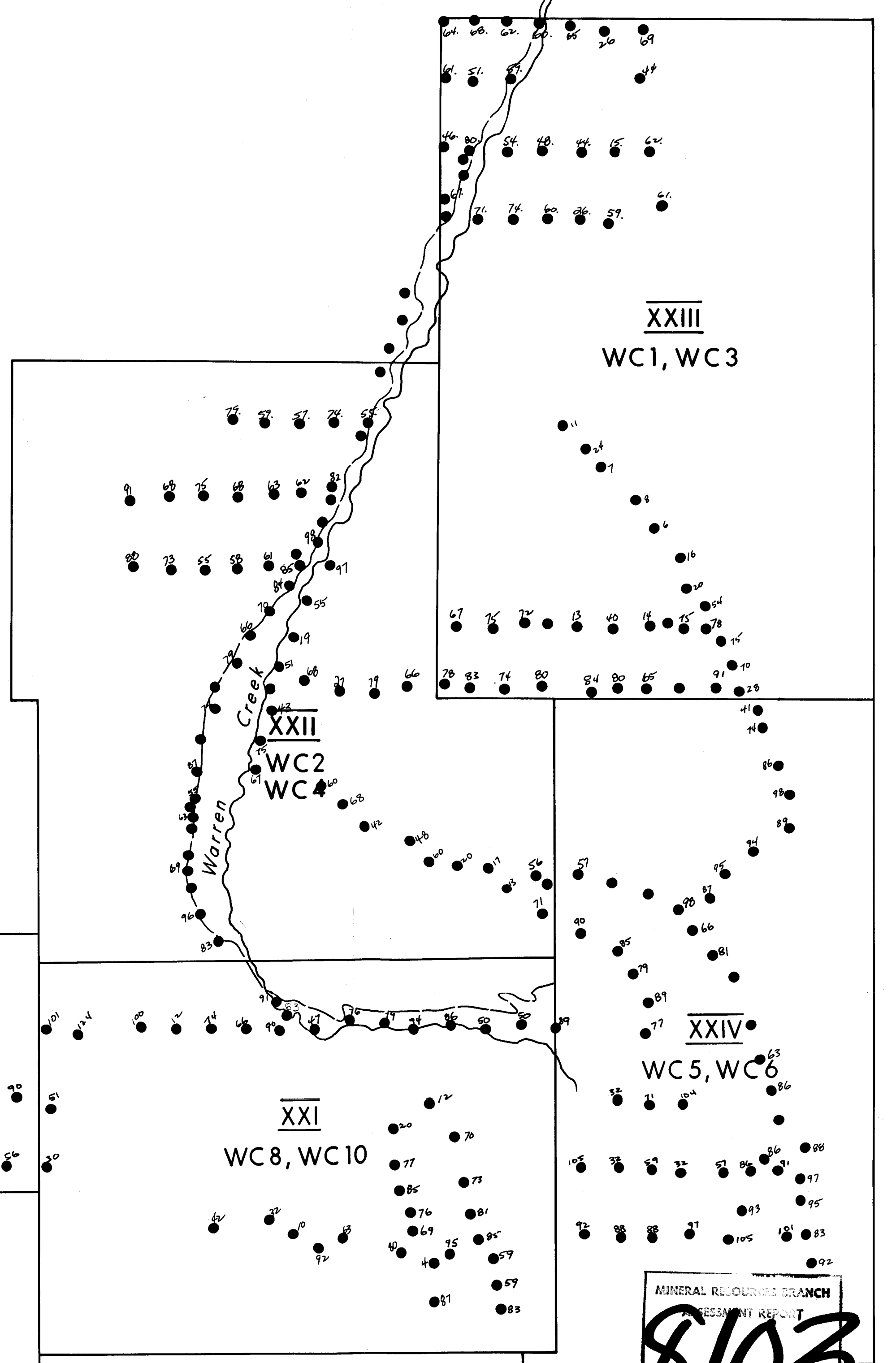
**Cu content in soils (ppm)**

Scale 1:20,000

NTS 82-K14E, 15W, 15E June, 1980

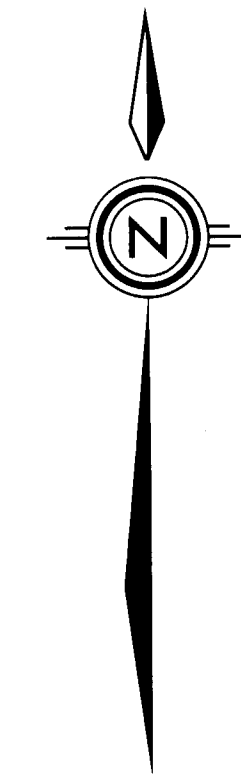
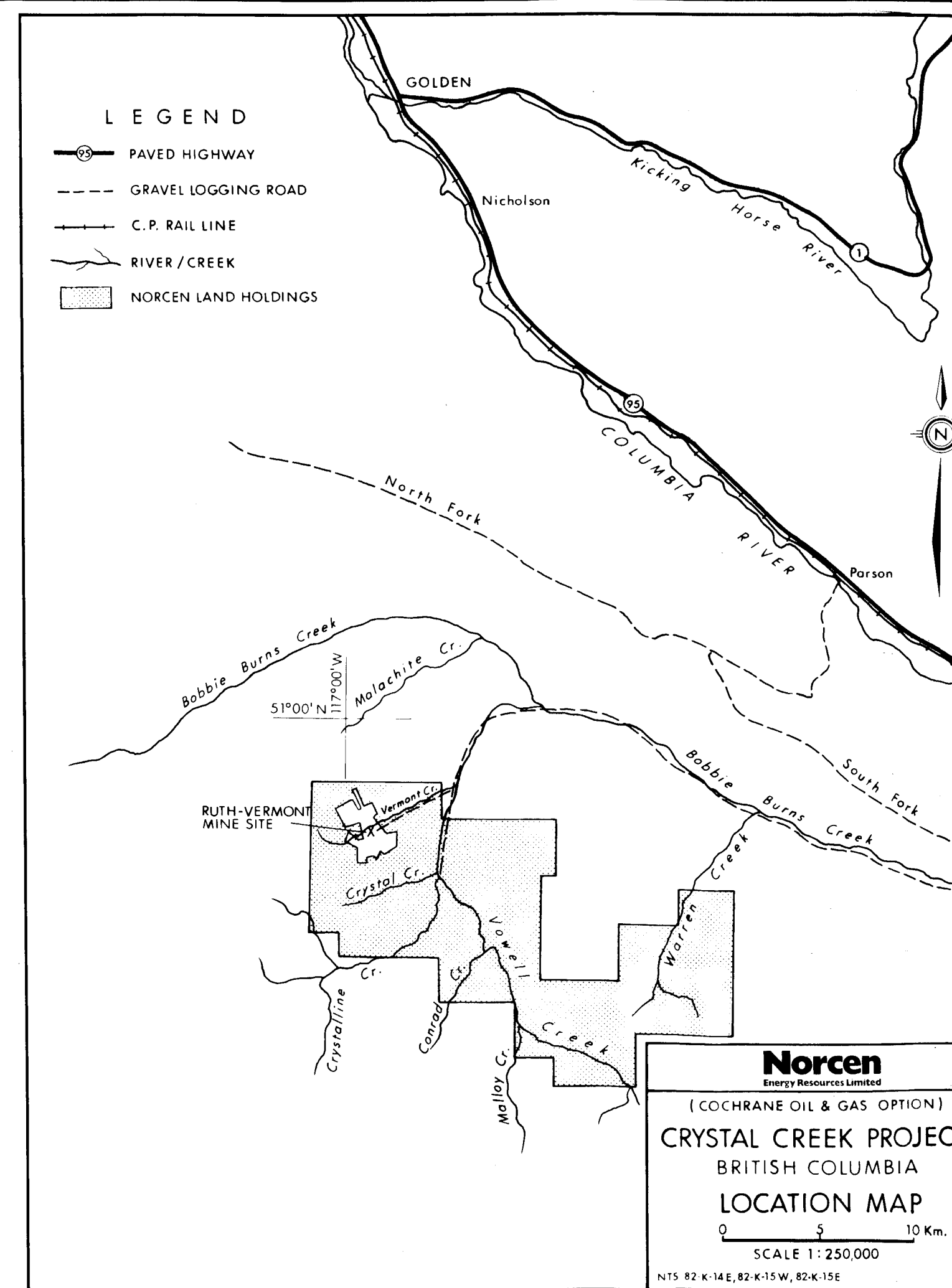
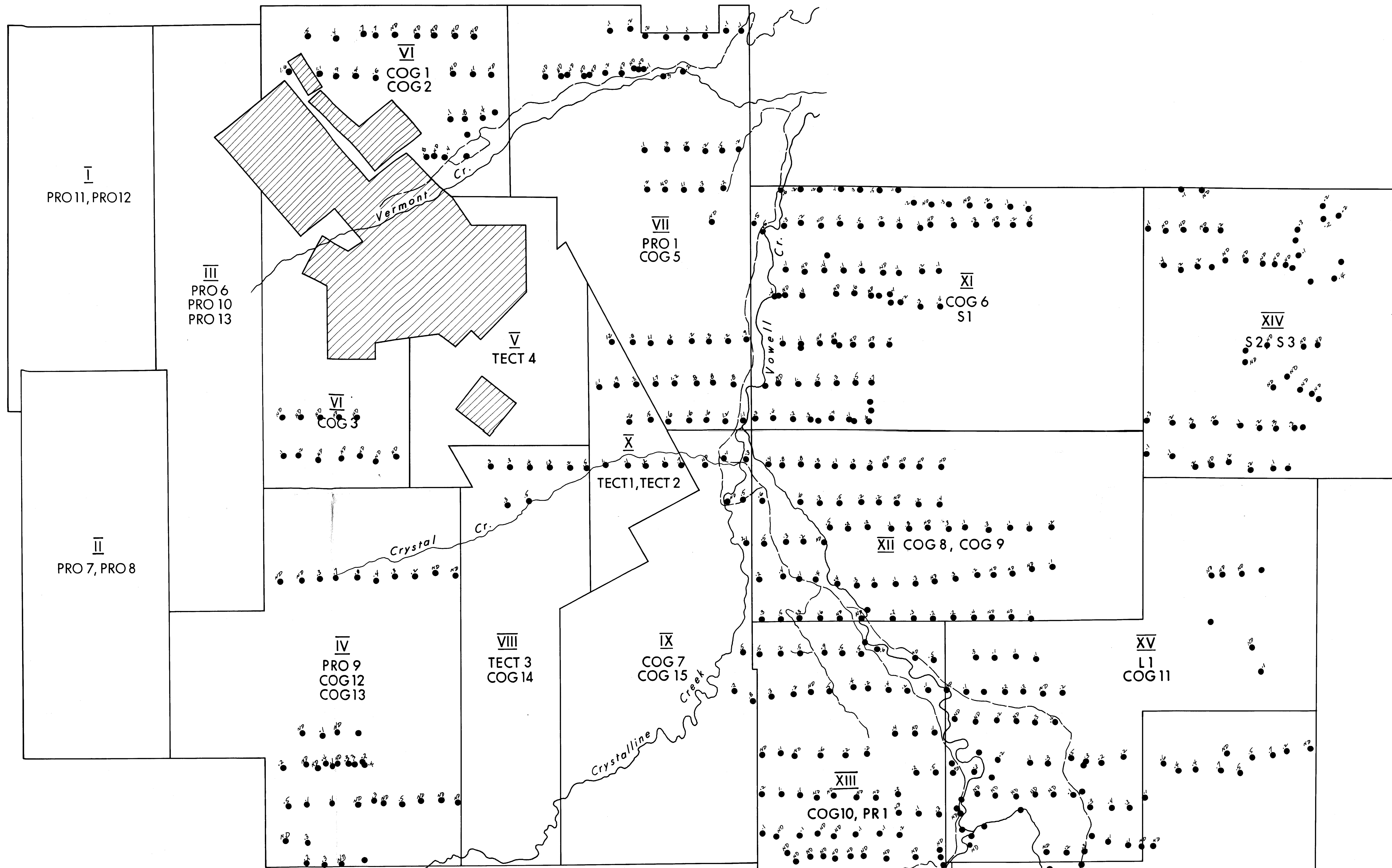


GROUP	# of UNITS
I	27
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IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32

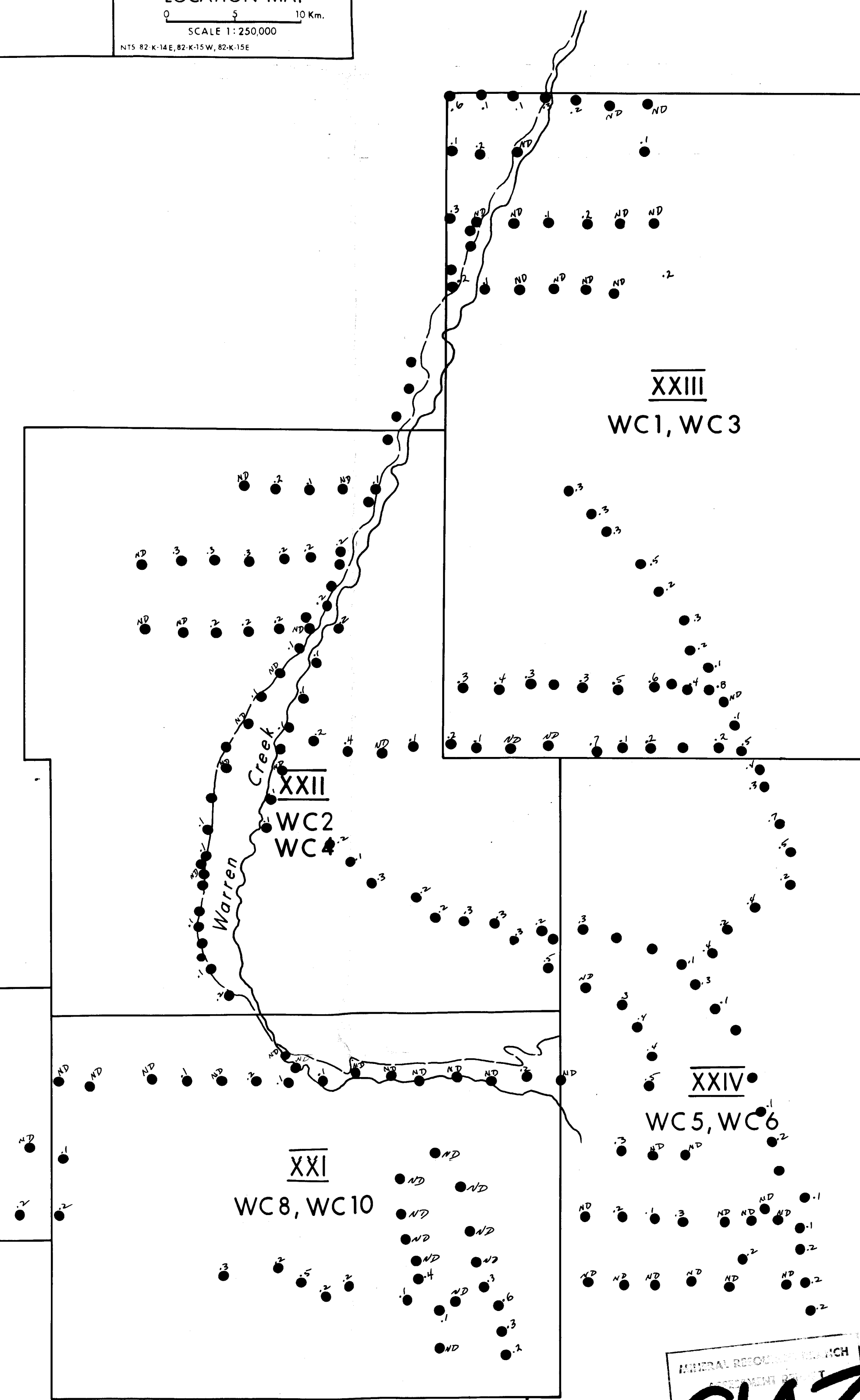


8103  
PART 2  
OF 2

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(COCHRANE OIL AND GAS OPTION)  
**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA  
**Zn content in soils (ppm)**  
Scale 1:250,000  
NTS 82-N-14E, 15W, 15E JUNE, 1980



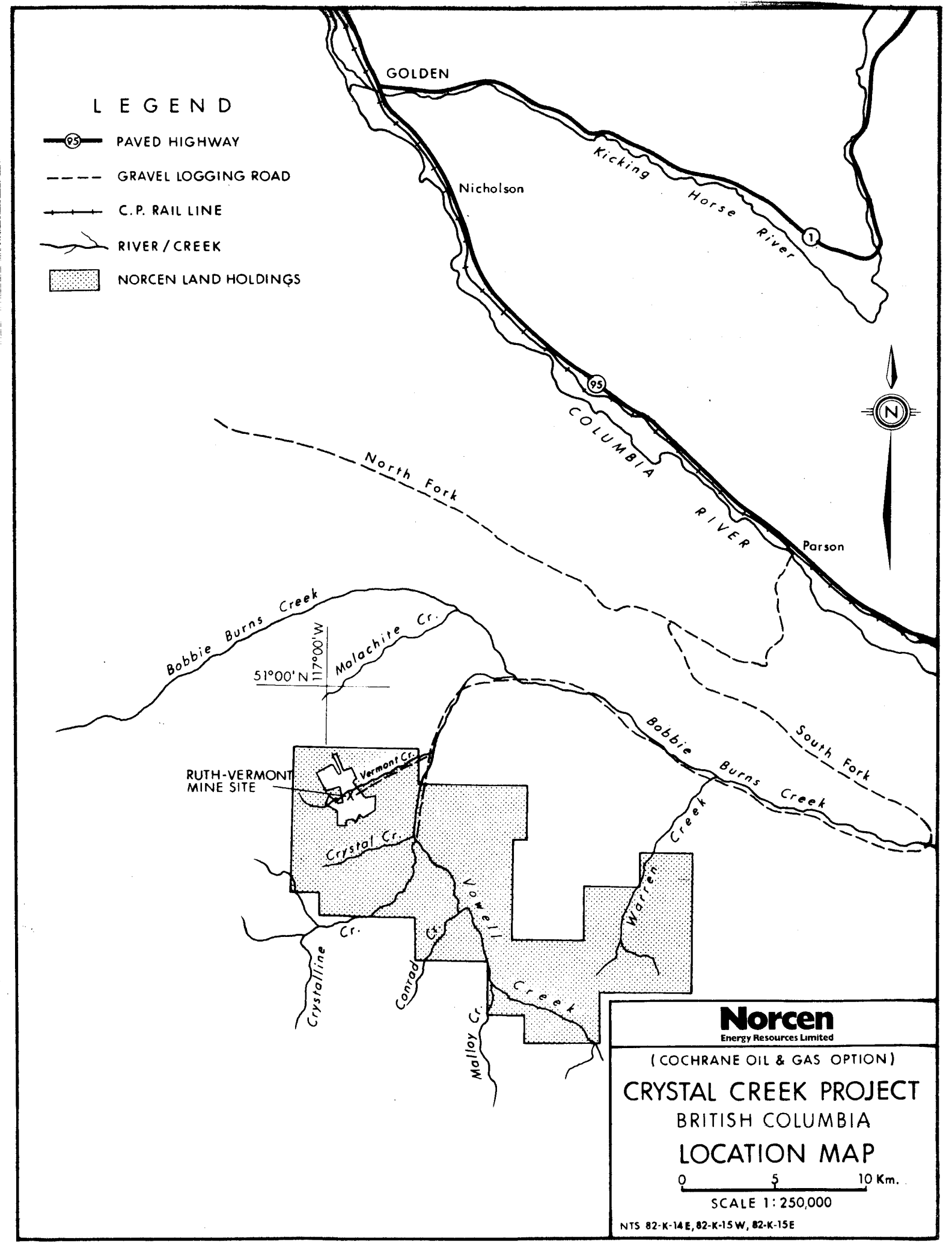
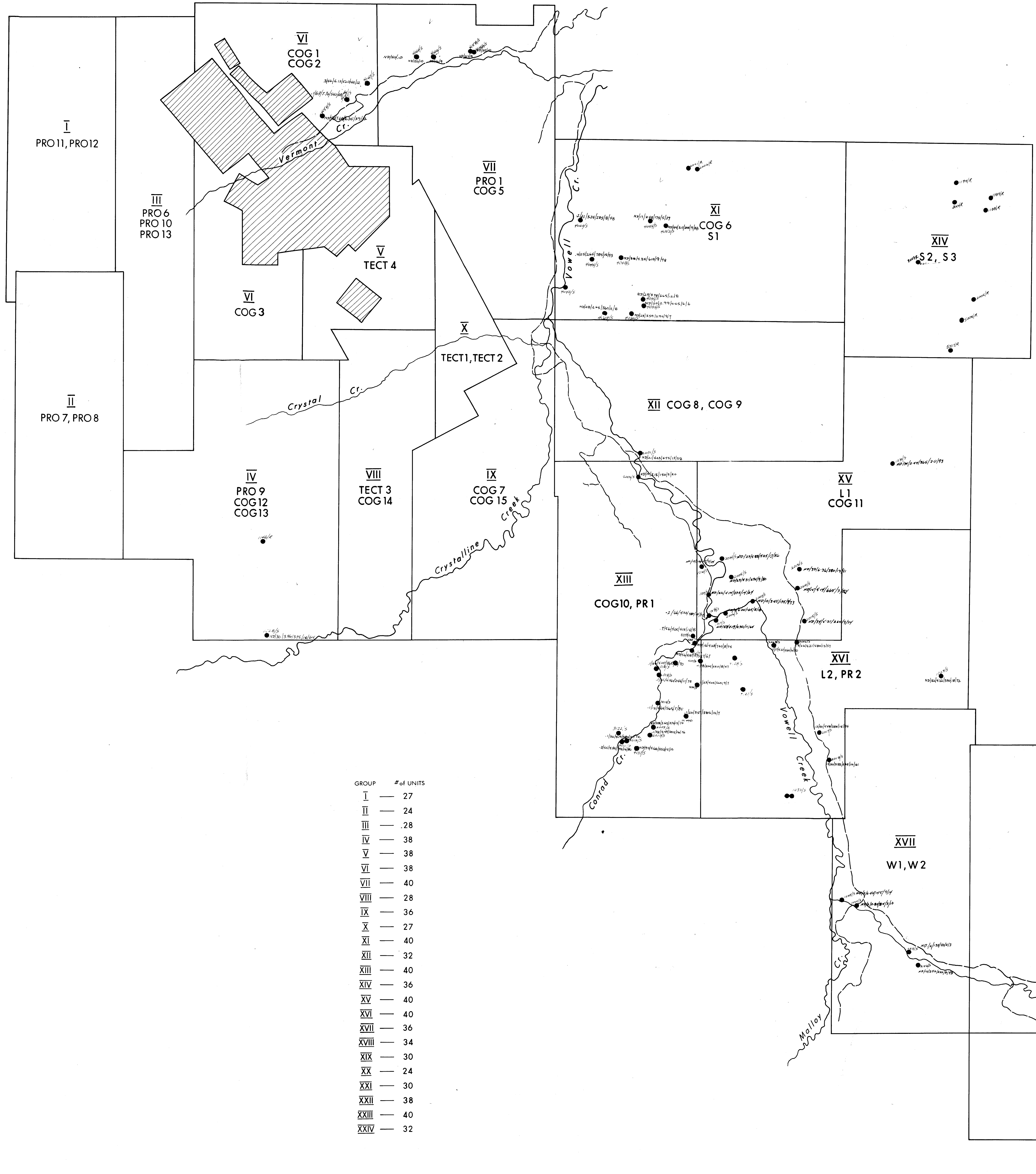
GROUP	#of UNITS
I	27
II	24
III	28
IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32



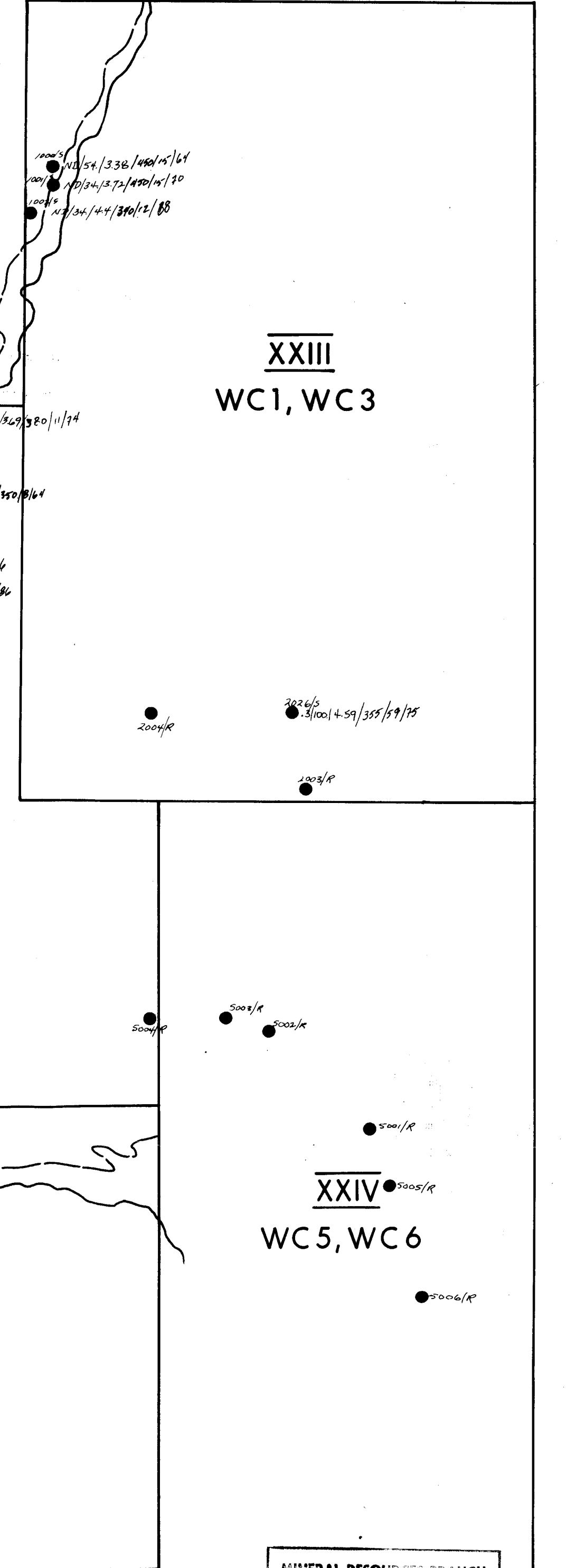
8103  
part 2  
of 2

**Norcen**  
Energy Resources Limited  
(COCHRANE OIL AND GAS OPTION)  
**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA  
**Ag content in soils (ppm)**

Scale 1:20,000  
NTS 82-K14E, 15W, 15E  
JUNE, 1980



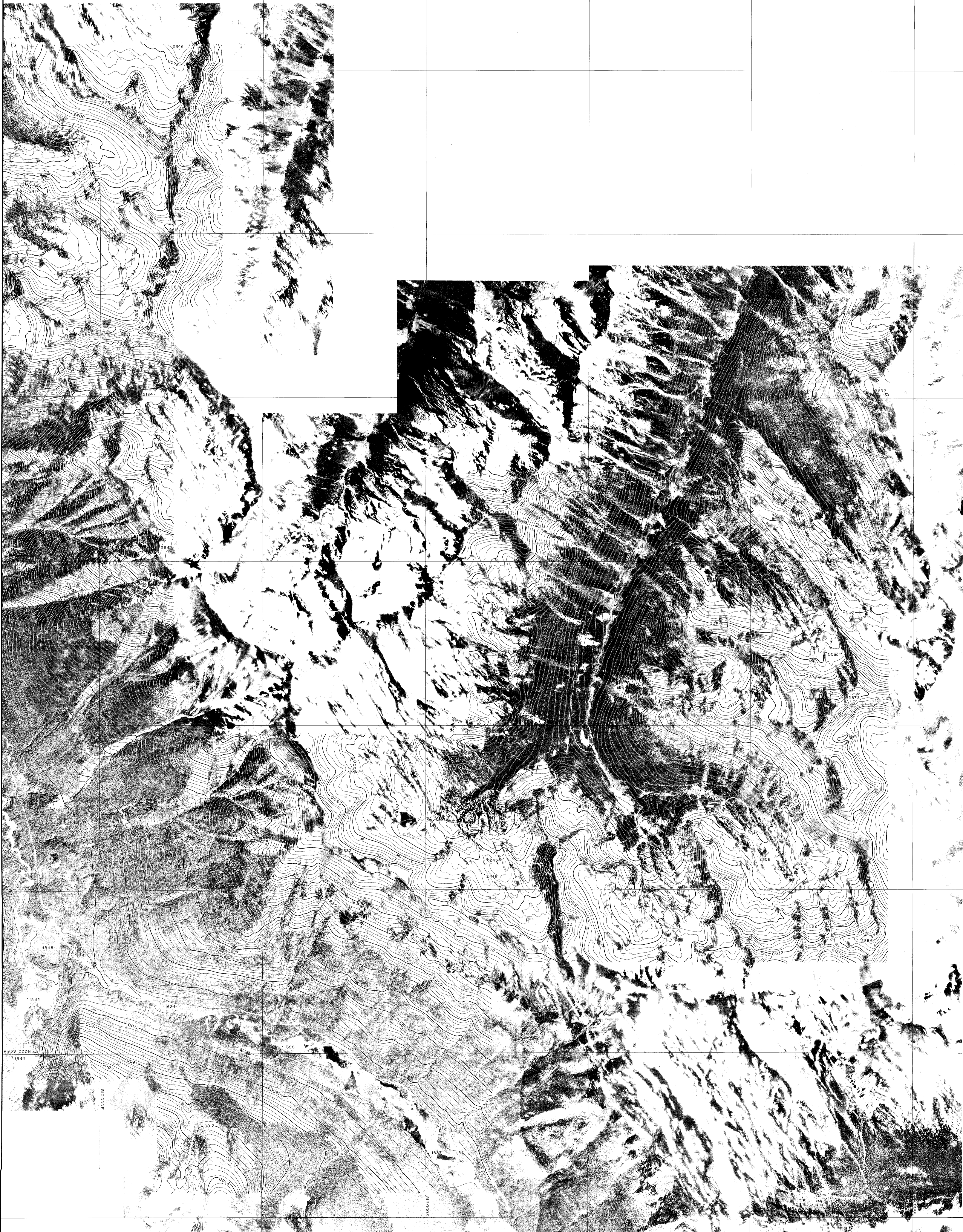
GROUP	# of UNITS
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II	24
III	28
IV	38
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VI	38
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VIII	28
IX	36
X	27
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XII	32
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XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32



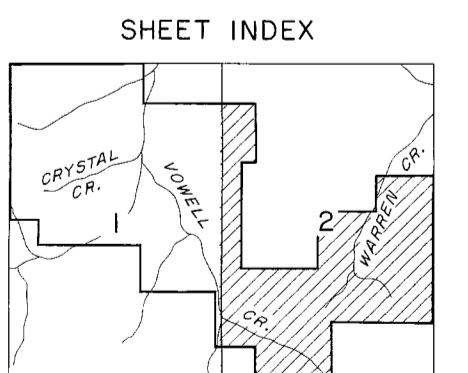
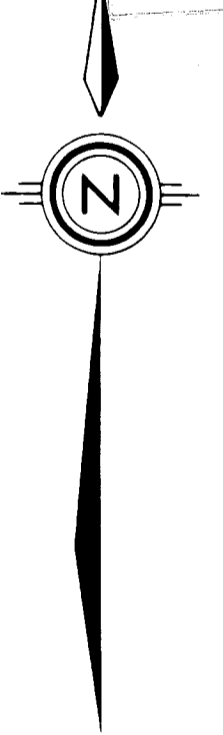
8103  
PART  
of 2

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(COCHRANE OIL AND GAS OPTION)  
**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA  
**Rock and Stream Sediment  
Geochemistry**

Scale 1:20,000  
NTS 82-K14E, 15W, 15E  
JUNE, 1980



8103  
part 2  
of 2



**NORCEN**  
ENERGY RESOURCES LIMITED


**CRYSTAL CREEK PROJECT**  
BRITISH COLUMBIA

SCALE  
400 800 0 400 800 1200 1600  
METRES METRES METRES METRES

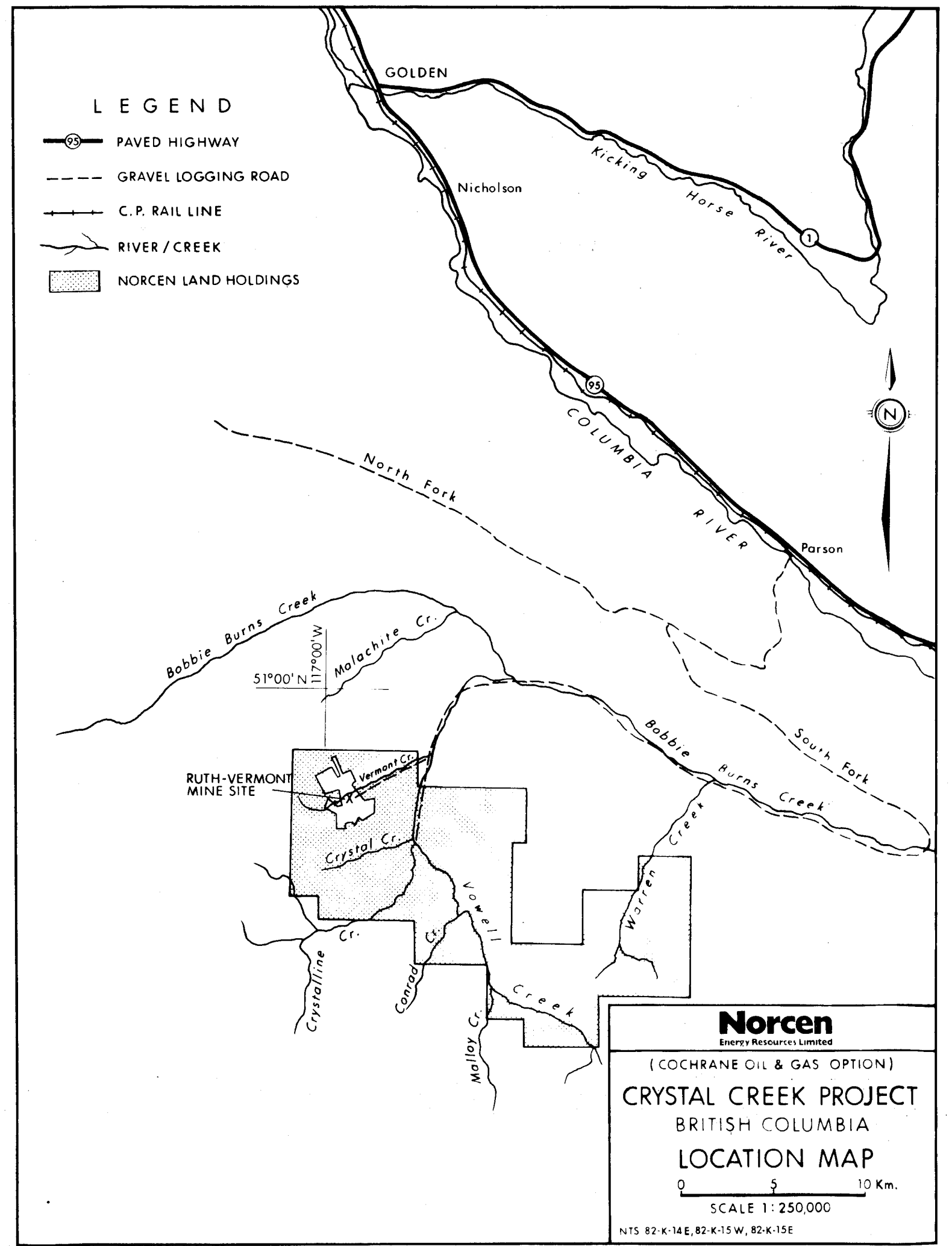
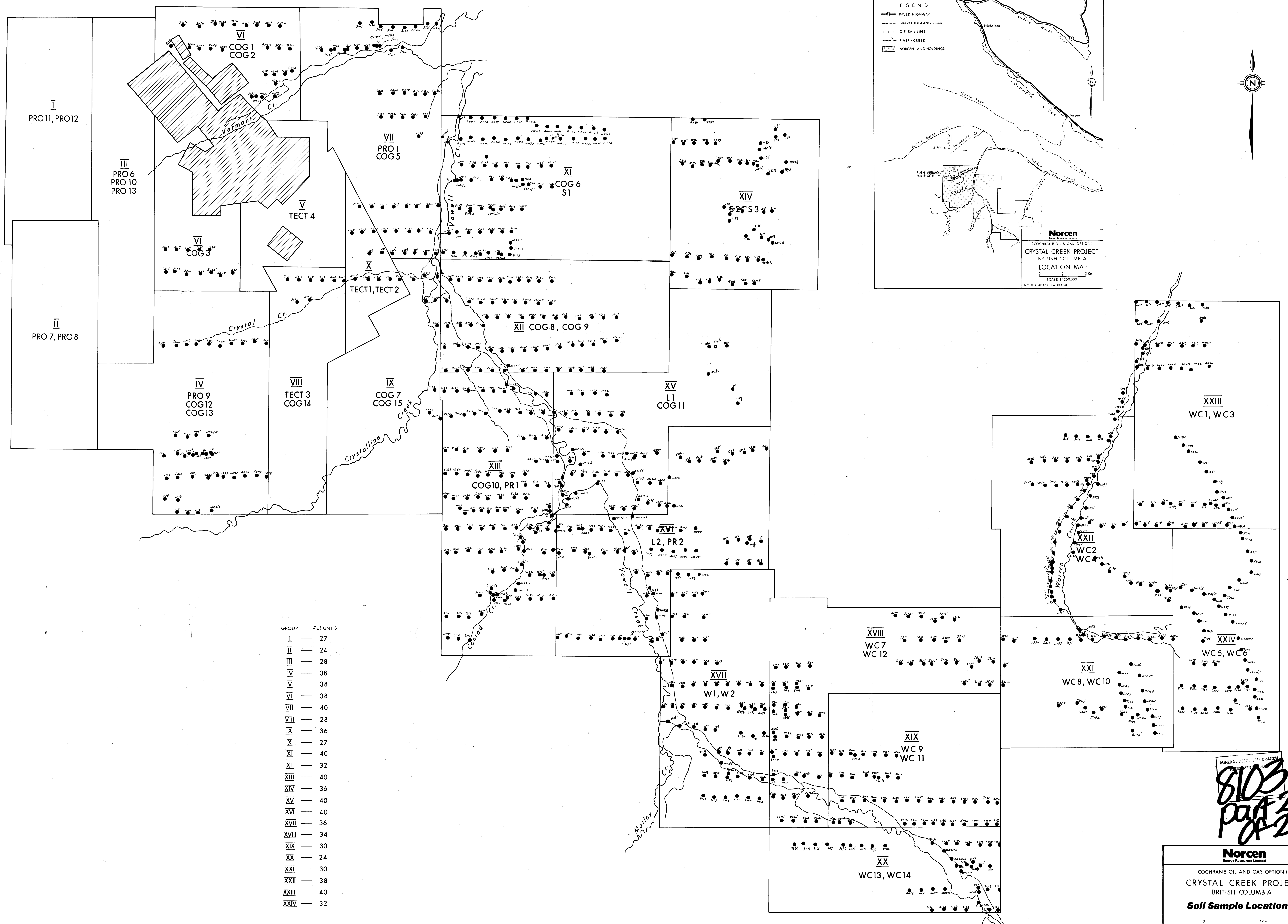
1 : 20 000  
CONTOUR INTERVAL 20 METRES

AERIAL PHOTOGRAPHY BY  
GOV'T. OF CANADA JULY 1976

CONTROL BY  
N.T.S. 82K, 1:250,000

 NORTH WEST SURVEY CORPORATION INTERNATIONAL LTD.

DRAWN BY R.A. DATE MAY 1980  
CHECKED BY V.Y. JOB NO. 80-142 SHEET 2 OF 2

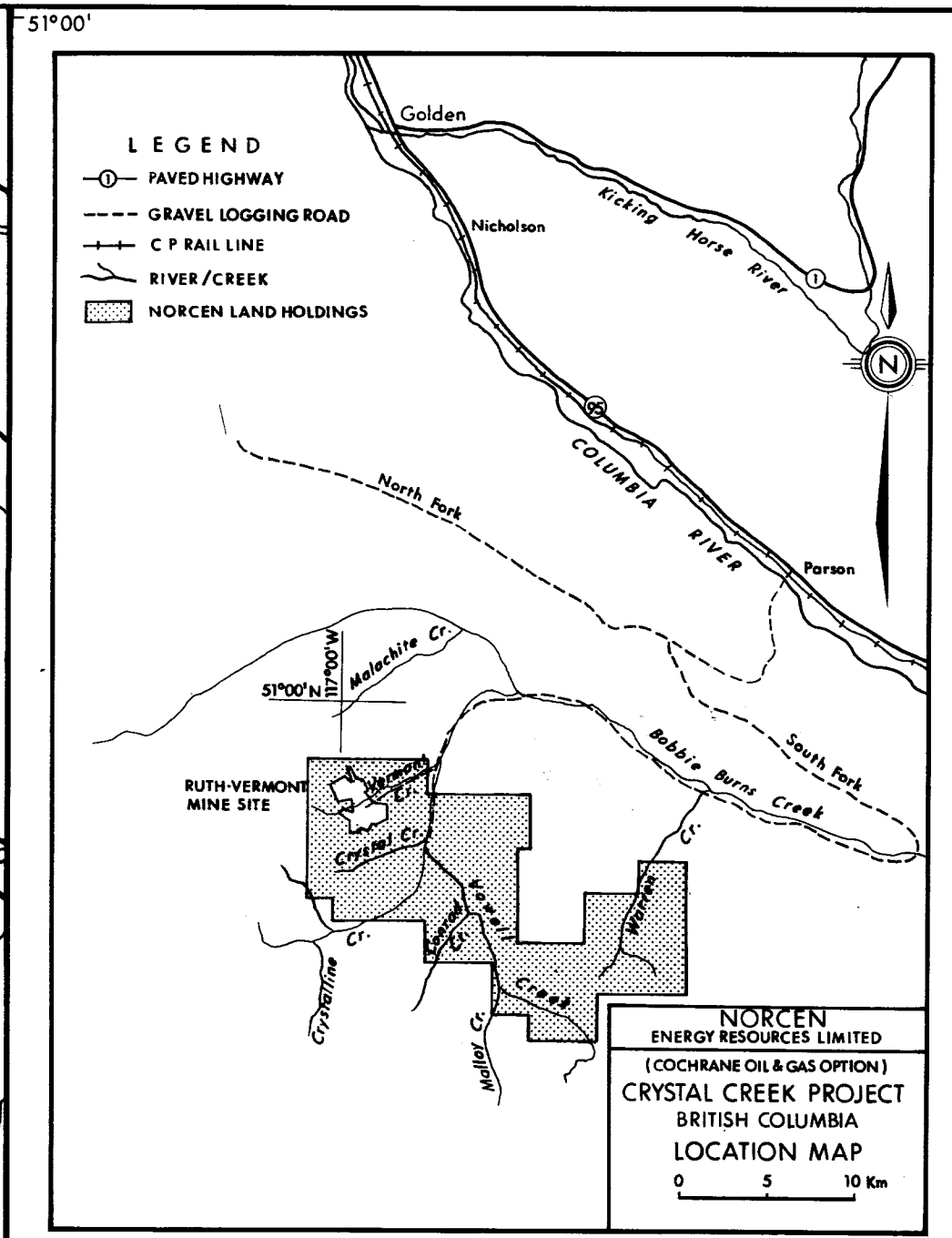
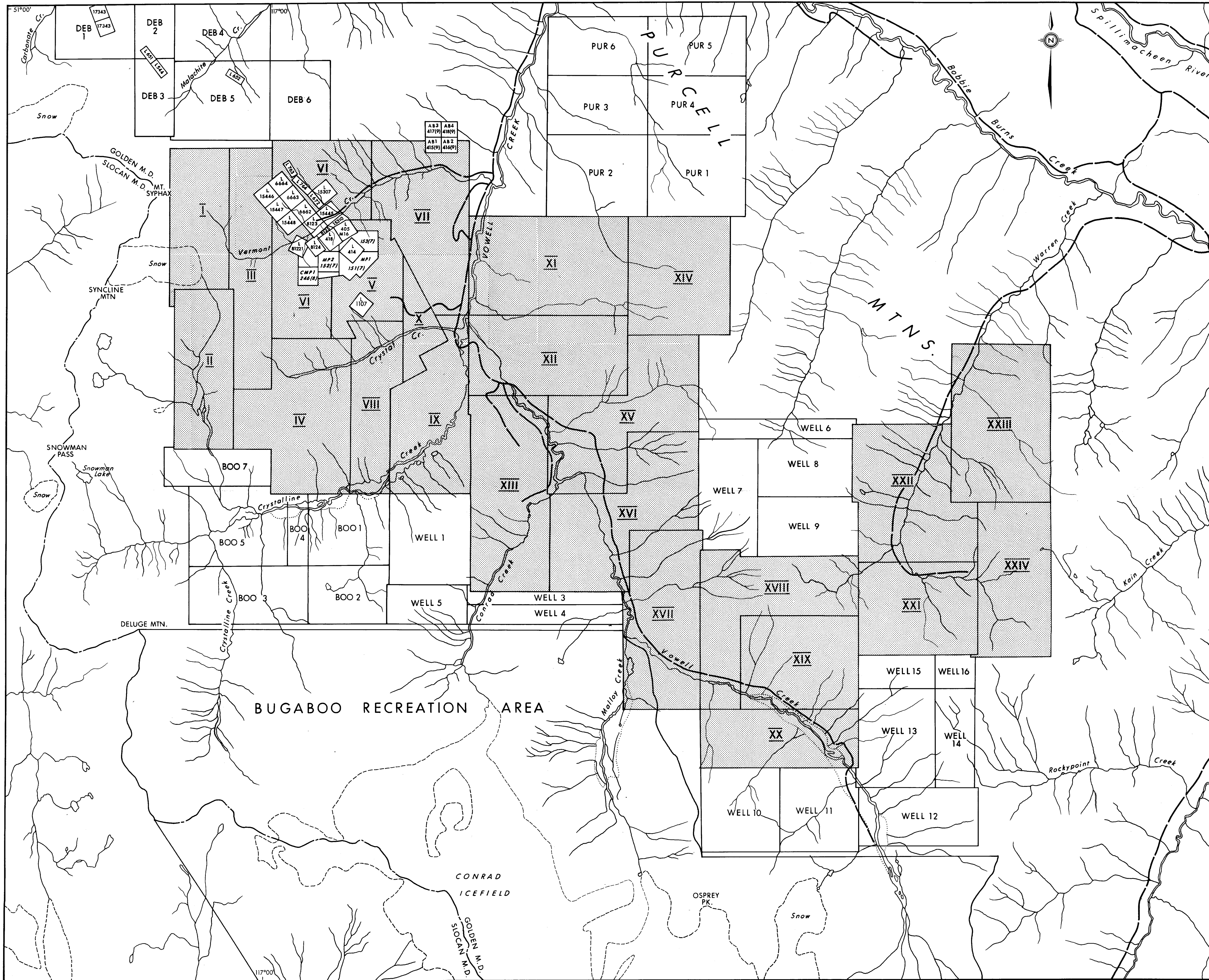


GROUP	# of UNITS
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VII	40
VIII	28
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XIII	40
XIV	36
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XVII	36
XVIII	34
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8103  
PART 2  
OF 2

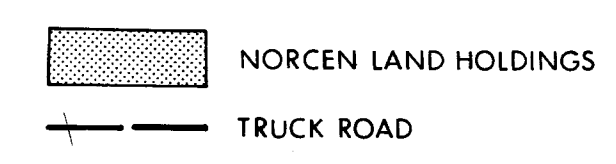
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 (COCHRANE OIL AND GAS OPTION)  
 CRYSTAL CREEK PROJECT  
 BRITISH COLUMBIA  
**Soil Sample Locations**

Scale 1:20,000  
 NTS 82N14E, 15W, 15E  
 JUNE, 1980



GROUP	Number of units
I	27
II	24
III	37
IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32
<b>TOTAL</b>	<b>825</b>

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**8103**  
 Part 2  
 of 2



**Norcen**  
 Energy Resources Limited

(COCHRANE OIL AND GAS OPTION)  
**CRYSTAL CREEK PROJECT**  
 BRITISH COLUMBIA  
**LAND HOLDINGS MAP**

