

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

CLAIMS: Cog 6, S1

LOCATION: 45 km south of Golden, British Columbia

LATITUDE: 50° 56' N

LONGITUDE: 116° 54' W

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8102
NO

part 2 of 2

L. Smith, B. Geol.
A. Slingsby

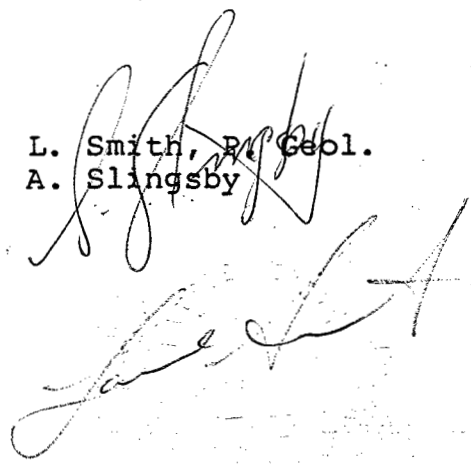


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Zn Content in Soils (ppm) Scale 1:20,000

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

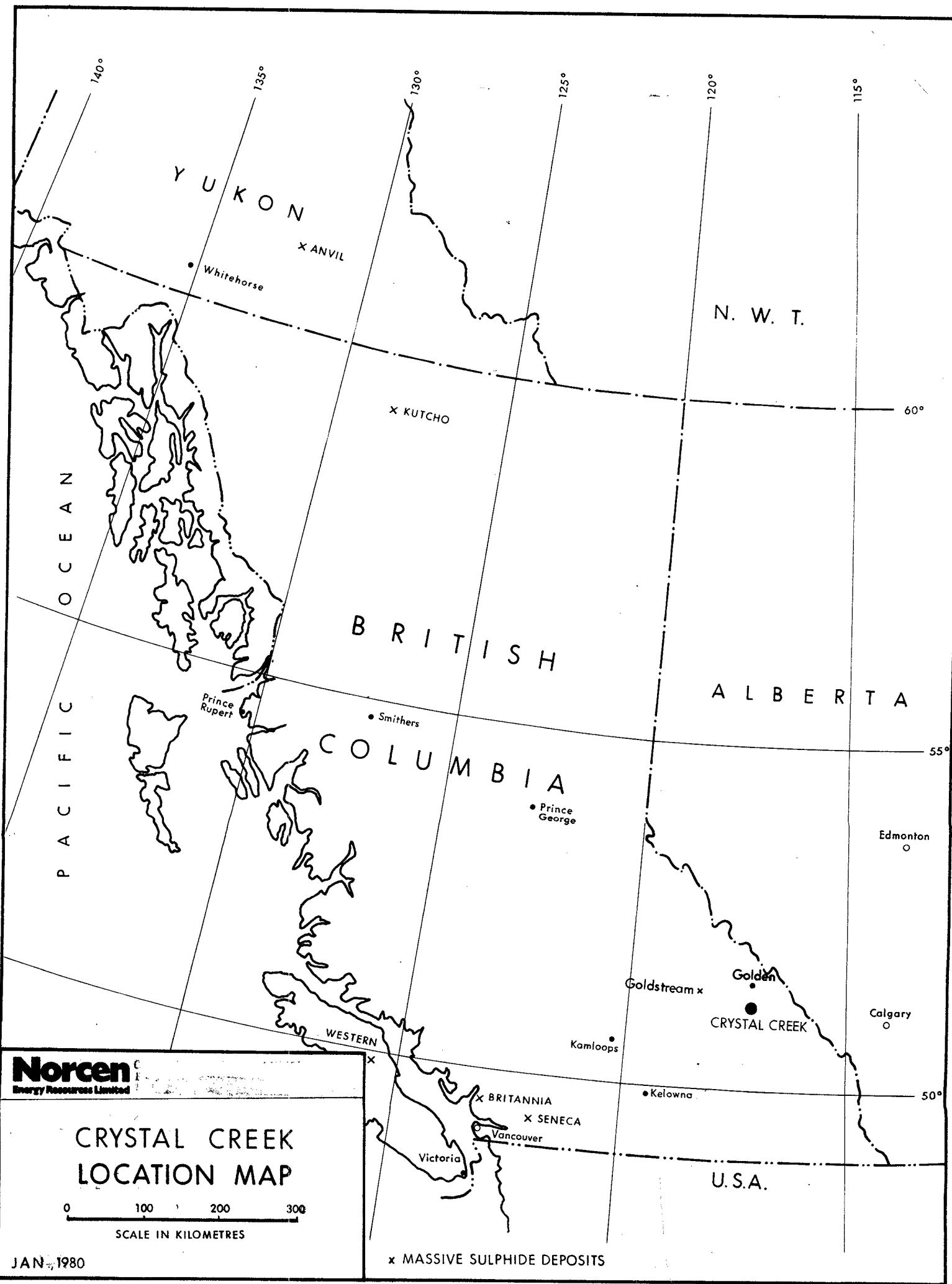
SUMMARY

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 64 soil, 10 stream sediment and 2 rock samples were taken within the boundaries of Group XI. 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 19, 22, June 5, 6 and 7, 1980.

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.



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**CRYSTAL CREEK
LOCATION MAP**

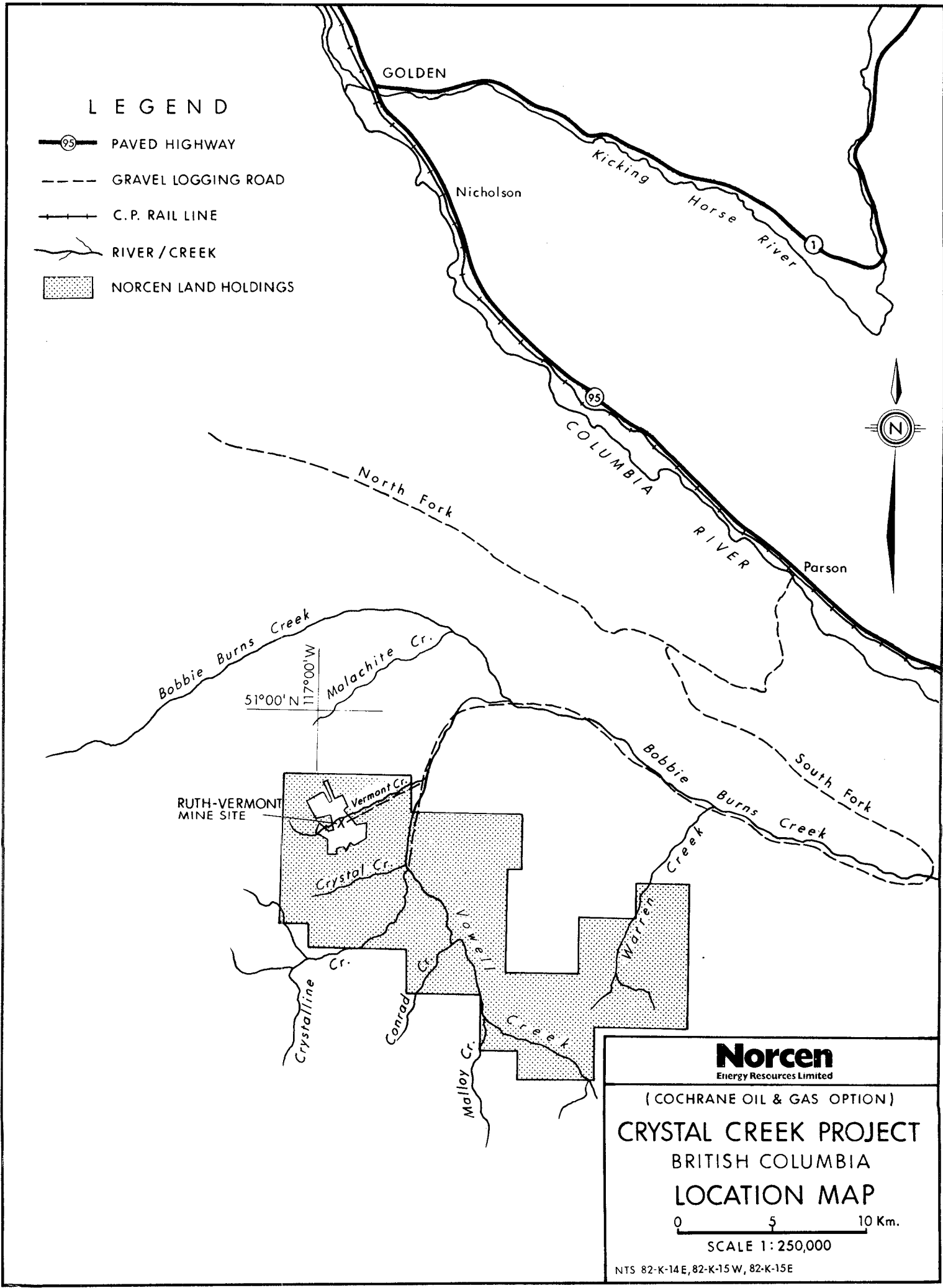


JAN 1980

x MASSIVE SULPHIDE DEPOSITS

L E G E N D

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



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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 Cog 6 and S1 claims form part of the Crystal Creek property. They have been grouped together to form Group X1.

Claim Name	Record Number	Recorded Date	Number of Units
Cog 6	325	June 18, 1979	20
S1	335	June 18, 1979	20

GEOCHEMICAL SAMPLING

A total of 64 soil samples and 10 stream sediment and 2 rock samples were collected on Group X1. 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. The rock samples were analyzed by induction coupled argon plasma spectrometry for nine oxides; TiO_2 , Al_2O_3 , MnO , CaO , Na_2O , K_2O , P_2O_5 , MgO and Fe_2O_3 and fifteen minor and trace elements.

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

Geochemical analysis of both the soil samples and stream sediment samples showed both to be depleted in all metals when compared to the area as a whole. One sample (4036) was, however, very high in zinc and manganese.

ITEMIZED STATEMENT OF EXPENDITURES

A. SALARIES

A. Slingsby - Project Preparation - April 3, May 14	\$ 250 00
- Geochemical Sampling - June 5, 6, 7	375 00
T. Bojczyszyn - Geochemical Sampling - May 19, 22	250 00
D. Desjardins - Geochemical Sampling - May 19, 22	180 00
K. Collard - Geochemical Sampling - June 5, 6, 7	270 00
R. Pryde - Geochemical Sampling - June 5, 6	180 00
R. Wasylshyn - Geochemical Sampling - June 6, 7	180 00
G. Robb - Geochemical Sampling - June 6, 7	180 00

B. ACCOMMODATION AND MEALS

17 man days @ \$41/day	697 00
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C. TRANSPORTATION

Truck Rental 9 days @ \$23.50/day	211 50
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D. ASSAYING AND ORTHOPHOTO

64 soil x \$6/sample	384 00
10 stream @ \$5/sample	50 00
2 rock @ \$20/sample	40 00
40 unit (photo) x \$10/unit	<u>400 00</u>

TOTAL EXPENDITURES \$3 647 50

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 University of Calgary with a BSc 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 VI.
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

29/AUG/80
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 WORK ORDER # NORCEN

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

SAMPLE GROUP #11

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
1097	.1	24.	3.16	125.	13.
1098	N D	21.	3.15	98.	7.
1099	.4	14.	2.85	81.	17.
1100	.1	16.	3.21	87.	15.
1101	.4	17.	3.41	195.	8.
1102	N D	15.	3.6	185.	10.
1103	.1	12.	2.99	190.	9.
1104	.2	29.	3.94	255.	18.
1105	.1	12.	2.64	715.	14.
1106	.4	27.	4.15	255.	10.
1107	.3	15.	3.66	185.	10.
1108	.2	27.	4.4	495.	8.
2054	.5	20.	4.04	235.	16.
2055	.5	36.	4.17	455.	35.
2056	.6	20.	3.47	185.	13.
2057	.2	20.	3.47	125.	12.
2058	.2	10.	4.12	81.	17.
2059	.1	10.	2.33	270.	10.
2060	.3	36.	2.47	225.	15.
2061	.5	14.	2.7	120.	16.
2062	.1	12.	2.49	150.	13.
2063	.2	61.	3.38	605.	75.
2064	N D	23.	3.96	200.	16.
2065	.3	11.	2.63	265.	14.
2066	N D	12.	8.88	305.	12.
2067	.2	28.	4.01	195.	18.
2068	.1	12.	2.82	1060.	31.
2069	.1	16.	2.84	475.	11.
2070	.5	21.	2.8	280.	14.
2071	.2	11.	1.9	150.	9.

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



BARRINGER MAGENTA

BARRINGER MAGENTA LIMITED
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NORCEN ENERGY RESOURCES
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SAMPLE GROUP #11

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
2072	N D	21.	3.37	390.	51.
2073	.3	24.	4.03	245.	25.
2074	.3	12.	3.2	135.	8.
2075	N D	18.	3.62	305.	20.
2076	.1	23.	3.53	155.	12.
2077	.4	11.	2.99	155.	4.
2078	.2	18.	3.16	225.	7.
2079	.5	28.	3.14	395.	12.
2080	.5	18.	3.9	130.	6.
2081	N D	19.	2.54	145.	14.
2082	.2	16.	2.71	43.	7.
2083	.3	17.	2.98	165.	7.
4025	.3	5.	.66	50.	20.
4026	.4	14.	3.	110.	11.
4027	.2	10.	2.8	240.	13.
4028	.3	17.	3.3	150.	13.
4030	.4	8.	2.8	80.	16.
4031	.1	9.	2.7	110.	4.
4033	.6	8.	3.8	350.	15.
4036	.7	35.	3.	3100.	28.
4037	.5	10.	2.8	240.	29.
4038	.3	19.	2.3	170.	29.
4039	.5	16.	2.6	200.	17.
4040	1.	62.	3.7	540.	84.
4041	N D	13.	2.4	110.	12.
4043	.1	9.	2.7	90.	13.
4045	.1	10.	3.	220.	9.
4046	N D	8.	3.2	90.	6.
4047	N D	13.	1.5	640.	7.
4049	N D	59.	2.6	380.	10.

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SAMPLE TYPE:
 SOIL

SAMPLE NUMBER	AG PPM	CU PPM	FE %	MN PPM	PB PPM
4050	N D	37.	3.3	290.	15.
4051	.2	11.	2.8	200.	11.
4053	.1	24.	3.3	260.	14.
4055	N D	8.	2.8	130.	5.
4056	.6	28.	3.5	250.	14.
4057	N D	18.	3.6	180.	8.
4058	.4	7.	2.2	100.	11.
4059	N D	12.	3.6	140.	11.
4061	.4	39.	3.8	500.	41.

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

SAMPLE GROUP #11

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
1097	54.
1098	42.
1099	42.
1100	34.
1101	63.
1102	61.
1103	52.
1104	53.
1105	115.
1106	68.
1107	65.
1108	72.
2054	77.
2055	80.
2056	53.
2057	56.
2058	38.
2059	43.
2060	50.
2061	43.
2062	59.
2063	150.
2064	60.
2065	40.
2066	65.
2067	55.
2068	69.
2069	65.
2070	40.
2071	34.



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NORCEN ENERGY RESOURCES
715-5TH AVE.S.W.
CALGARY, ALBERTA
T2F 2X7

SAMPLE GROUP #11

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
2072	61.
2073	65.
2074	57.
2075	73.
2076	50.
2077	47.
2078	57.
2079	49.
2080	58.
2081	43.
2082	21.
2083	47.
4025	23.
4026	51.
4027	64.
4028	55.
4030	28.
4031	47.
4033	73.
4036	663.
4037	37.
4038	59.
4039	55.
4040	66.
4041	41.
4043	77.
4045	78.
4046	36.
4047	136.
4049	108.



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715-5TH AVE. S.W.
CALGARY, ALBERTA
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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
4050	67.
4051	47.
4053	57.
4055	67.
4056	65.
4057	66.
4058	48.
4059	57.
4061	83.



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SAMPLE GROUP #11

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					
4029	ND	28.	3.64	360.	11.
4032	ND	23.	3.59	290.	9.
4034	ND	20.	2.99	445.	6.
4035	ND	29.	3.75	365.	12.
4044	.4	25.	2.64	785.	15.
4048	ND	38.	4.35	610.	9.
4052	ND	44.	3.17	305.	9.
4054	ND	17.	2.43	175.	5.
4060	.2	21.	3.25	235.	8.

*P=QUESTIONABLE PRECISION; *I=INTERFERENCE; IS=INSUFFICIENT SAMPLE
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 CALGARY, ALBERTA
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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	
4029	8.
4032	7.
4034	6.
4035	8.
4044	43.
4048	48.
4052	48.
4054	39.
4060	48.

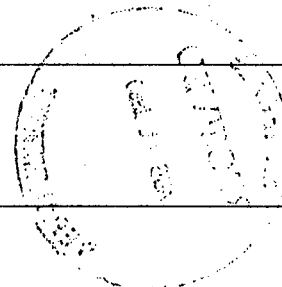
COMMENTS:

SAMPLE NUMBER 4042S (STREAM SEDIMENT) NOT FOUND;
 SAMPLE NUMBER 4042 (SOIL) HAS RESULTS BUT IS NOT
 INCLUDED ON THE INSTRUCTION SHEET.

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	MO 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



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

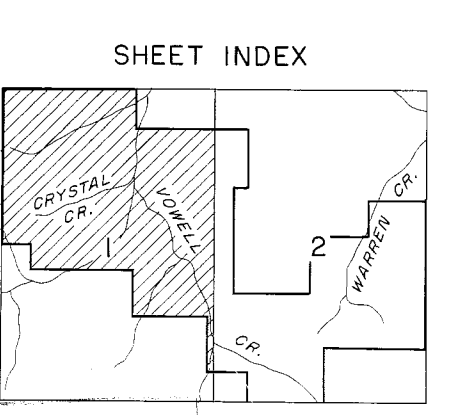
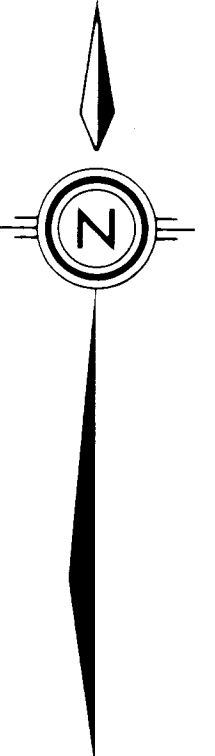
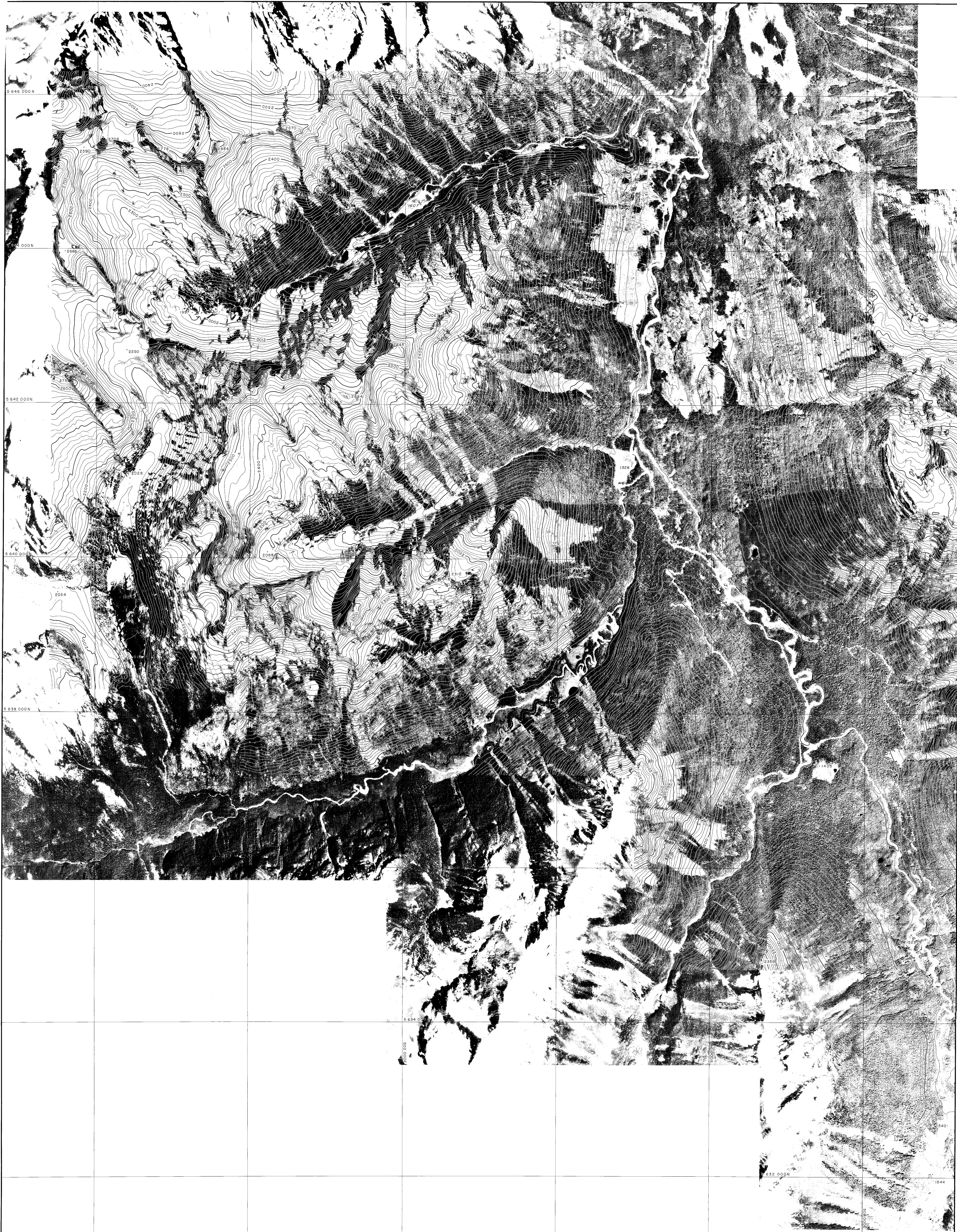
FILE:T0-0457

SAMPLE ID	BF PPM	CD PPM	CR PPM	CO PPM	CU PPM	PH PPM	NI 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
1194-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	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	1.65	2.14	.243	.229	.464	1.41	.06
2004-R	22.3	10.6	1.45	3.03	.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	7.40	.090	2.88	.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	20.4	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-P	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	2.16	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



MINERAL RESOURCES BRANCH
 ASSOCIATED REPORT
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 NORCEN
 ENERGY RESOURCES LIMITED

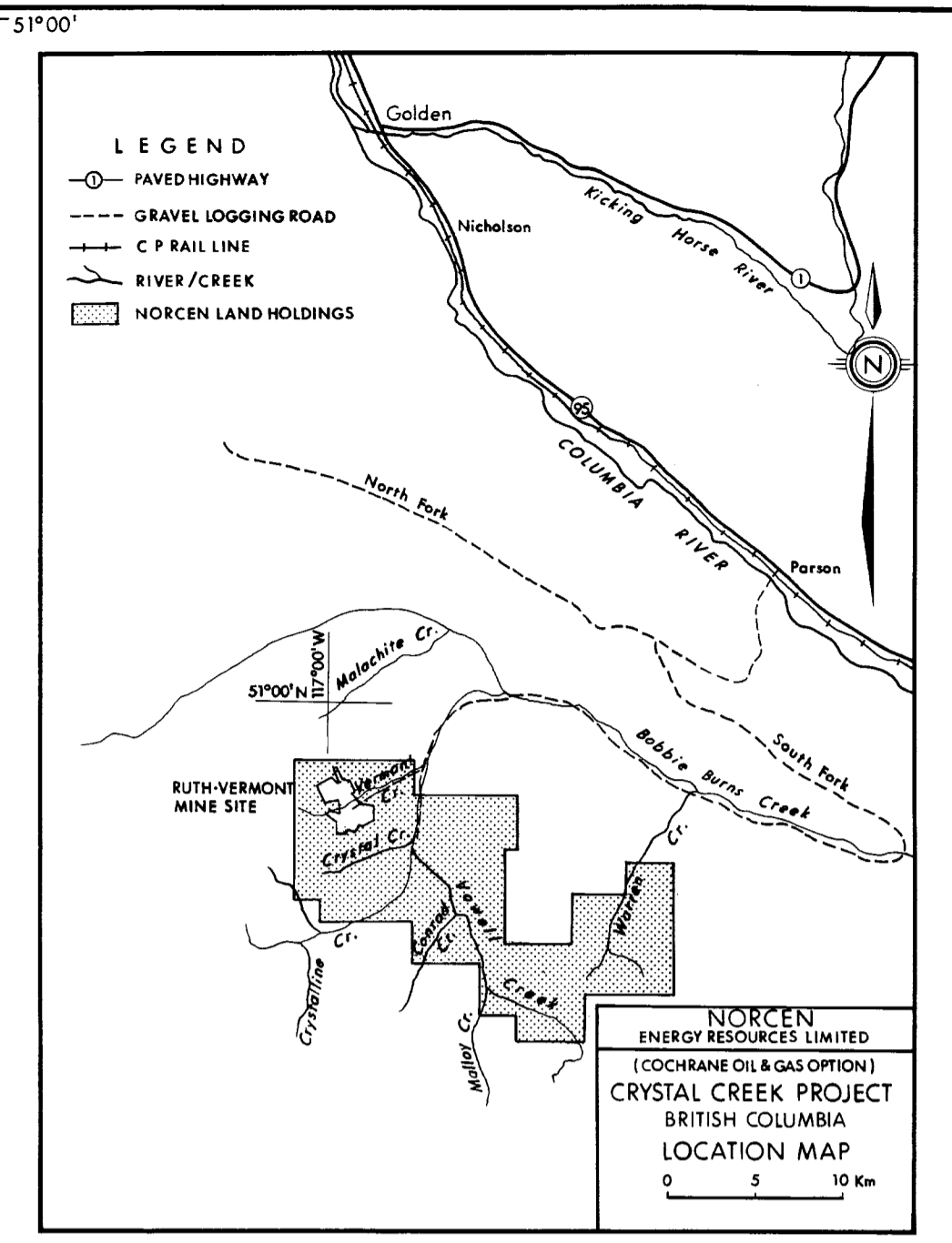
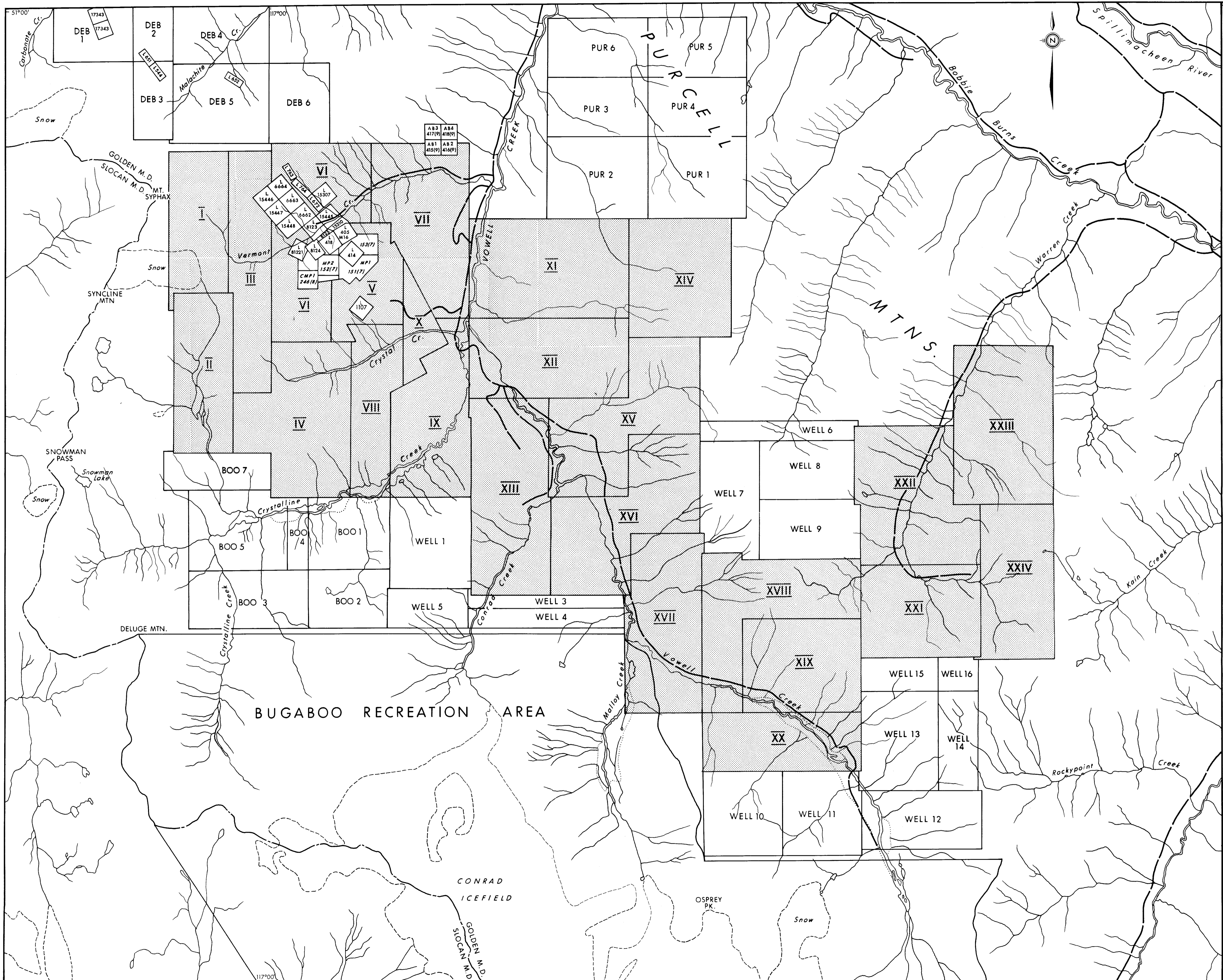
CRYSTAL CREEK PROJECT
 BRITISH COLUMBIA

SCALE
 400 200 0 400 800 1200 1600
 METRES METRES
 1 : 20 000
 CONTOUR INTERVAL 20 METRES

AERIAL PHOTOGRAPHY BY GOVT. OF CANADA, JULY 1976 CONTROL BY N.T.S. 82X, 1:250,000

NORTH WEST SURVEY CORPORATION INTERNATIONAL LTD.

DRAWN BY R.A. DATE MAY 1980 CHECKED BY V.V. JOB NO. 80-142 SHEET 1 OF 2

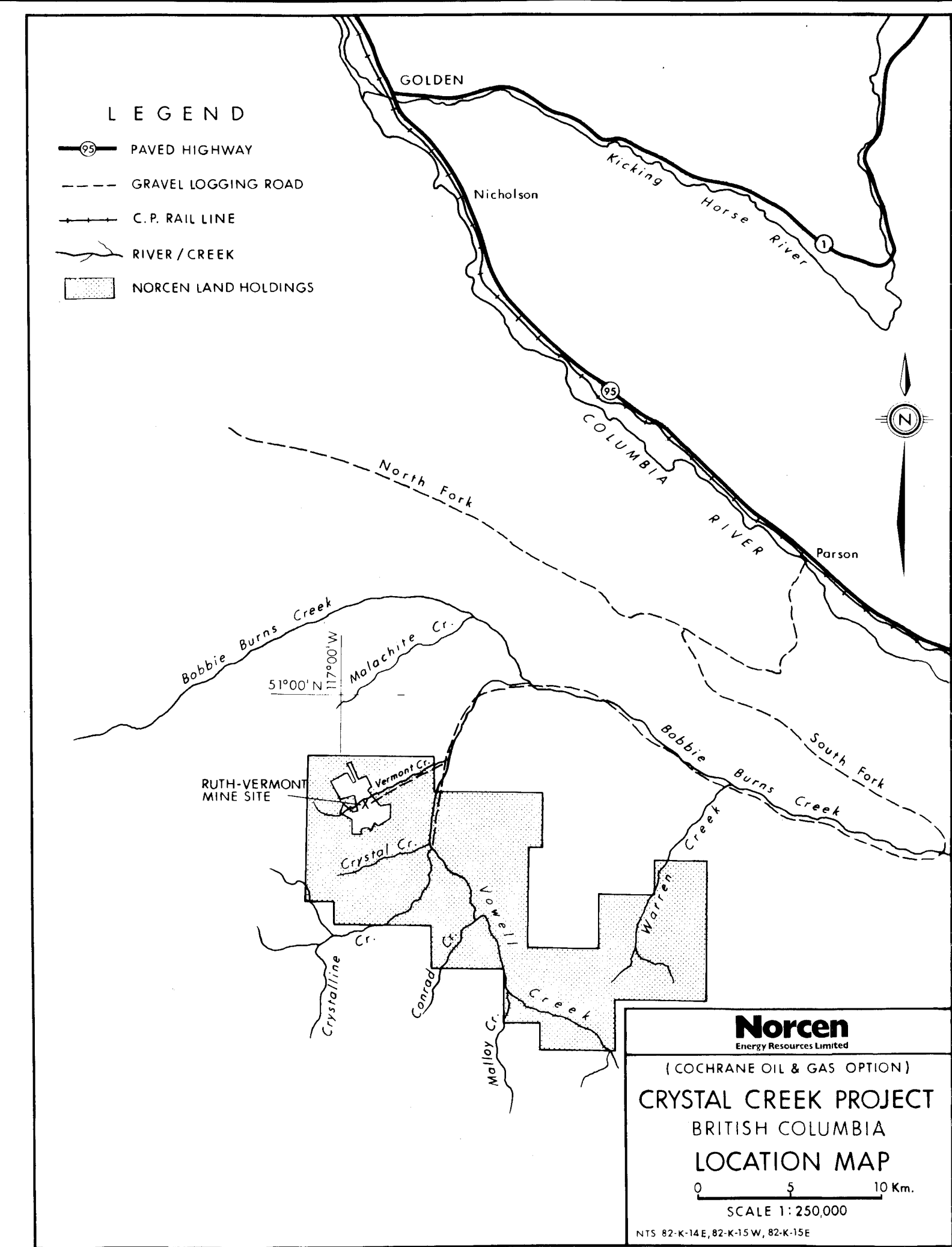
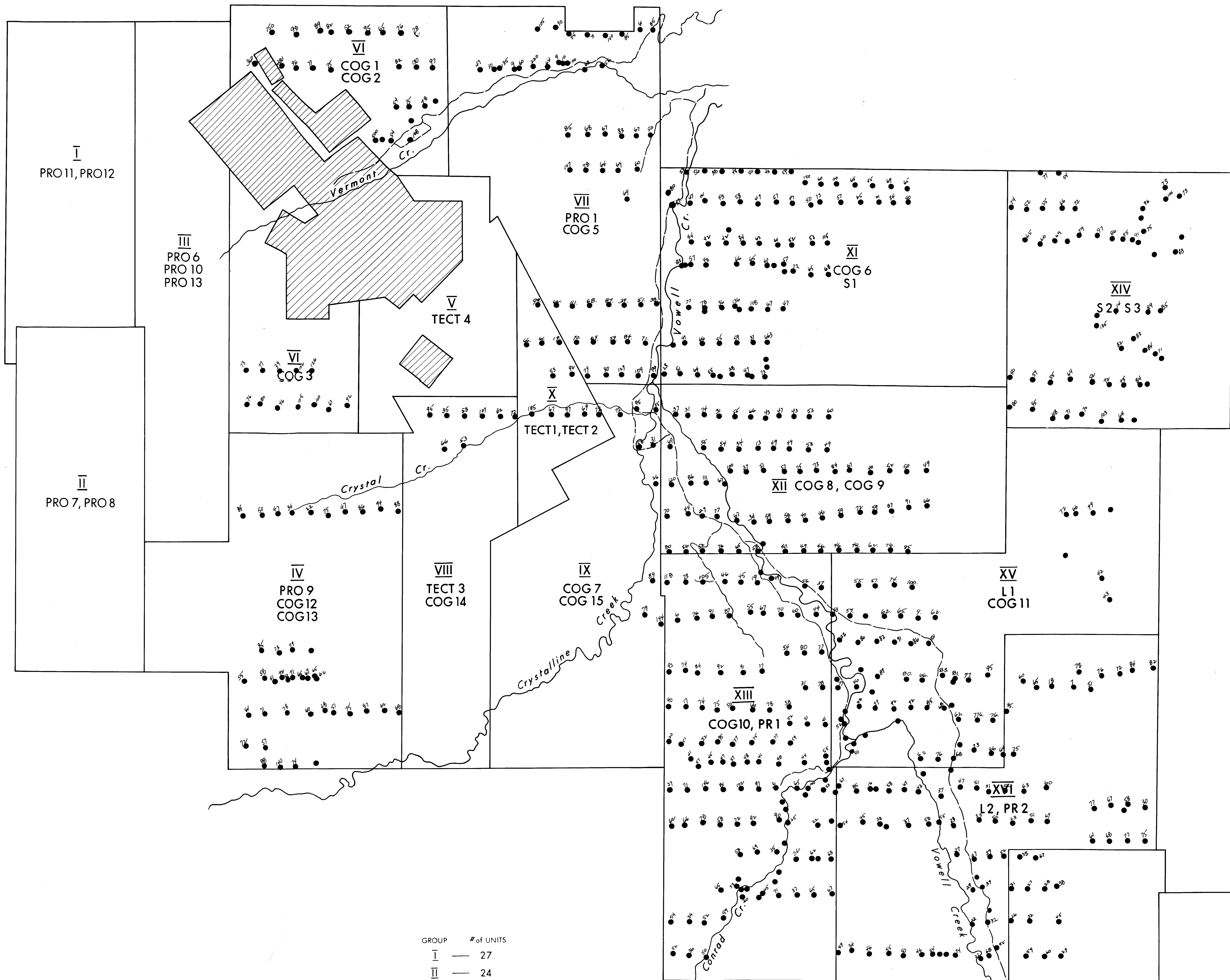


GROUP	Number of units
I	27
II	24
III	37
IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
XXIV	32
TOTAL	825

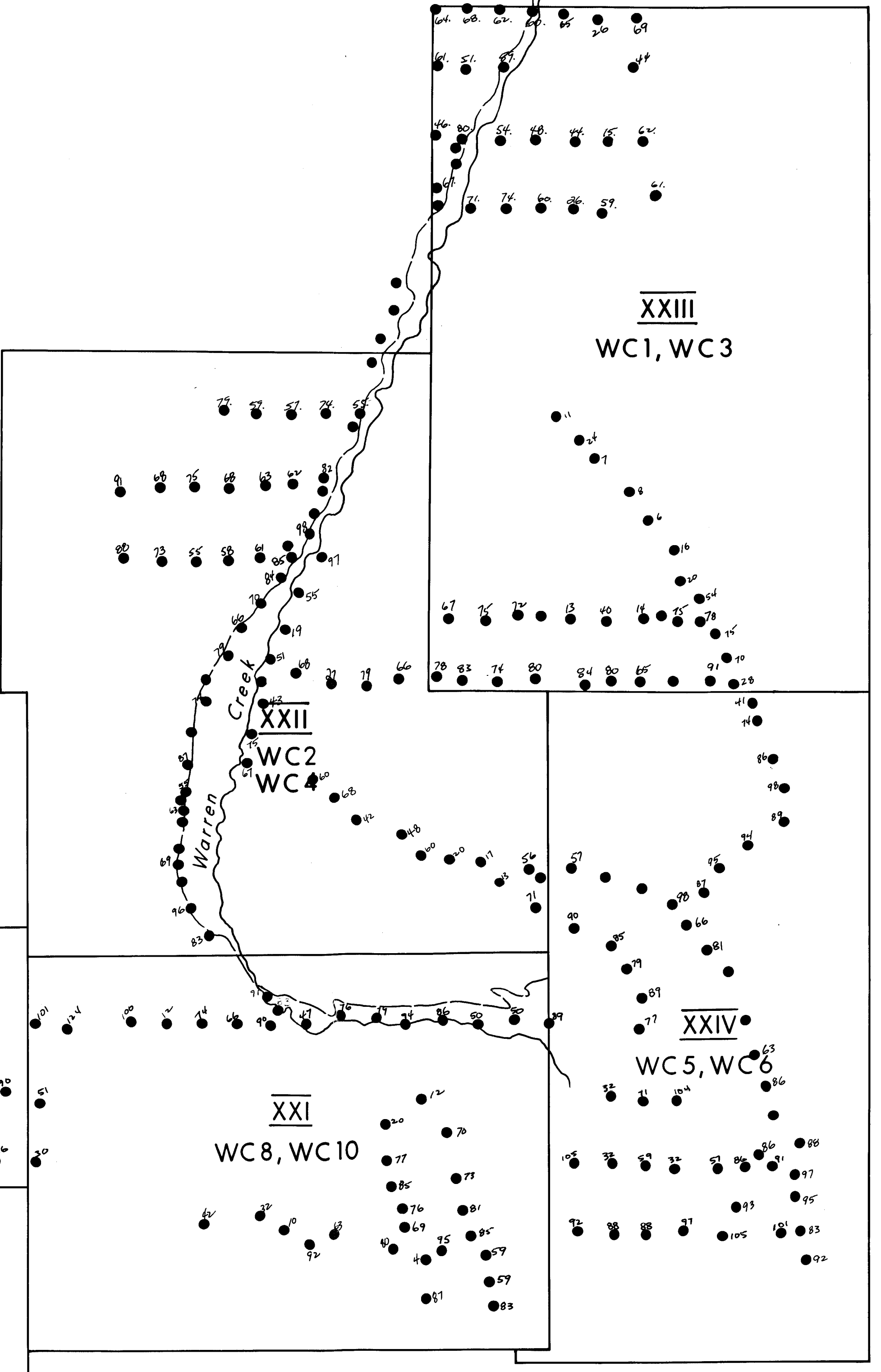
MINERAL RESOURCES BRANCH
 BRITISH COLUMBIA
8102
part 2 of 2

NORCEN LAND HOLDINGS
 TRUCK ROAD

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 Energy Resources Limited
 (COCHRANE OIL AND GAS OPTION)
CRYSTAL CREEK PROJECT
 BRITISH COLUMBIA
LAND HOLDINGS MAP
 0 1 2 3
 SCALE IN KILOMETRES

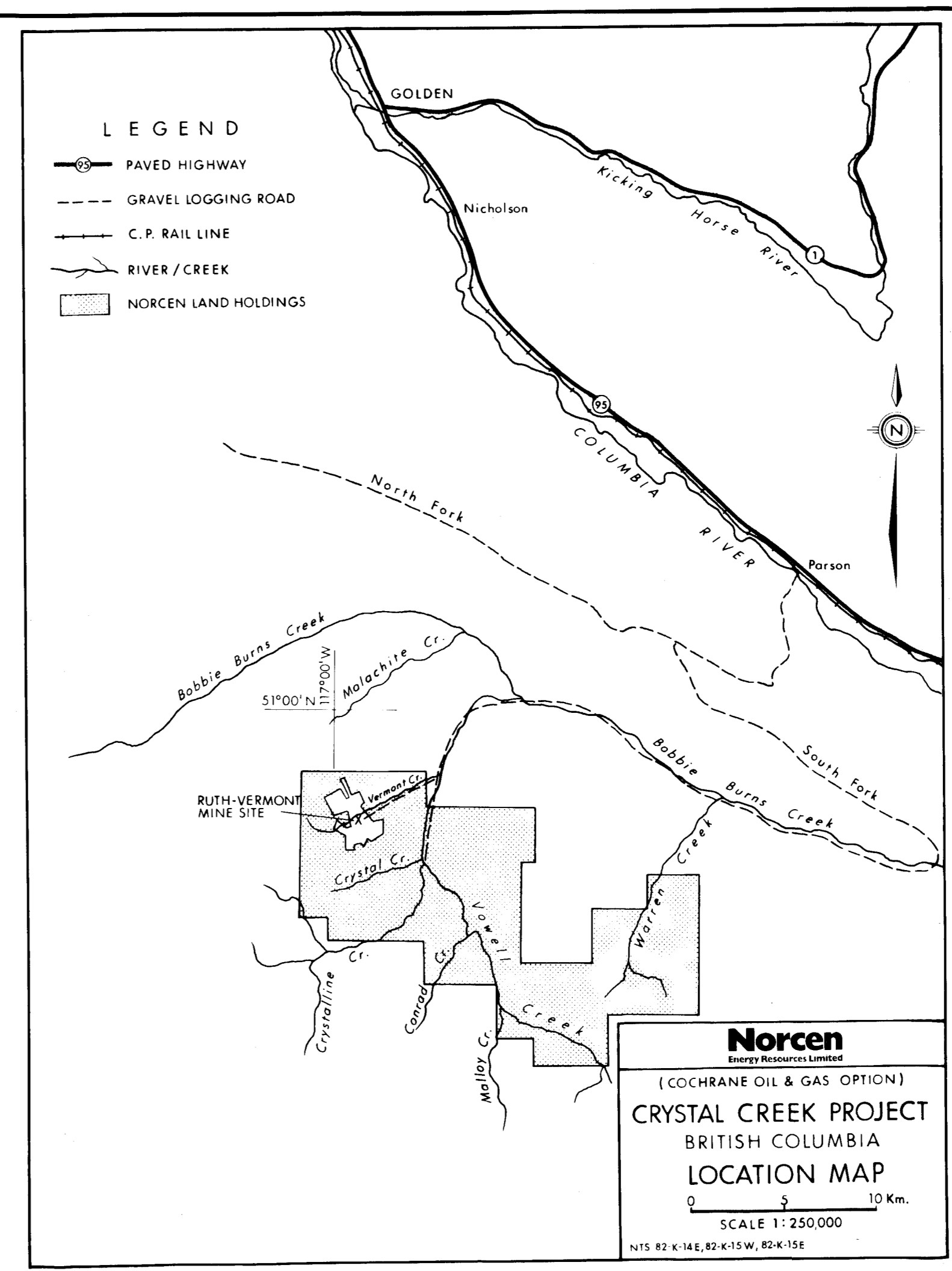
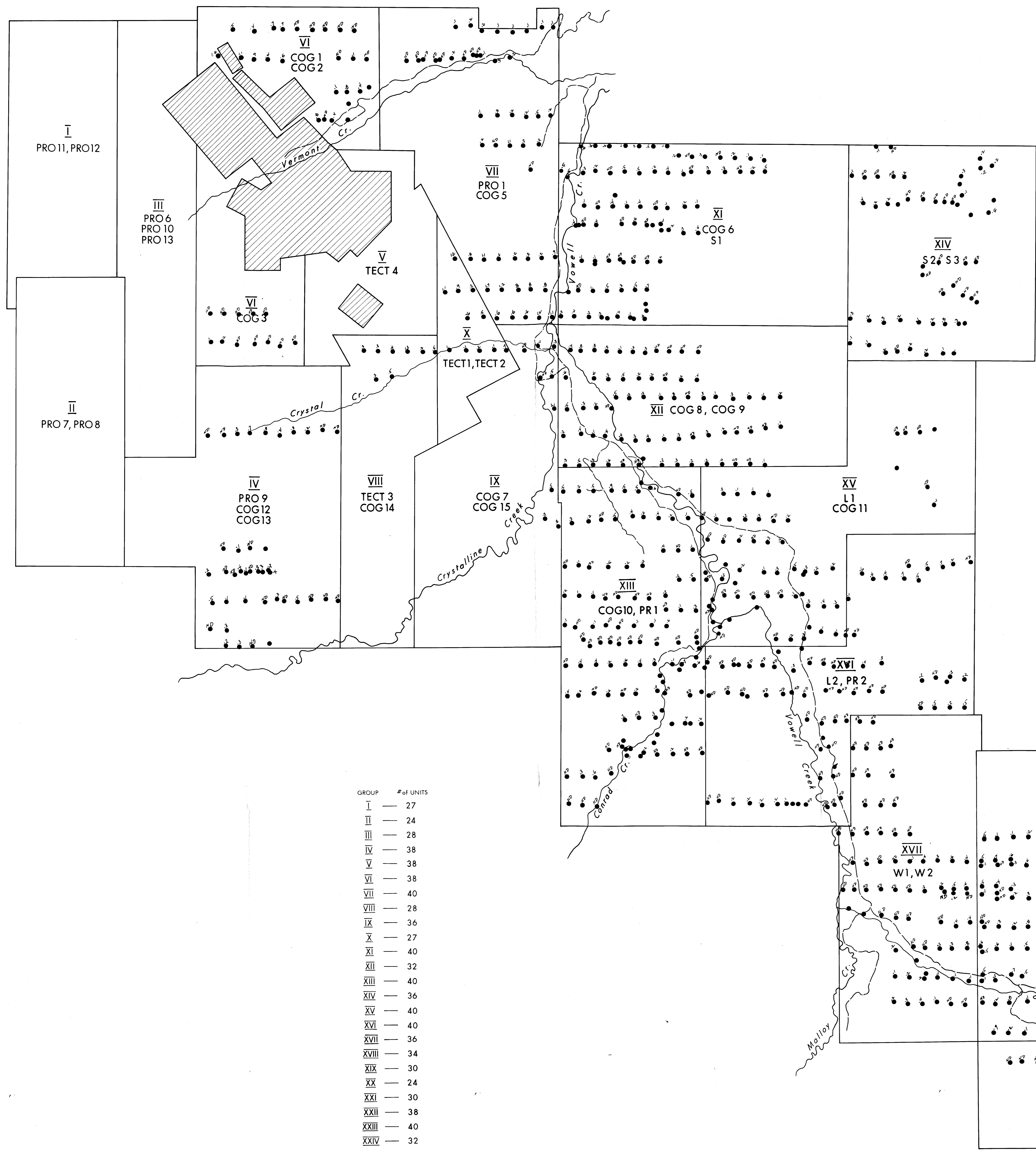


GROUP	# of UNITS
I	27
II	24
III	28
IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
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XXII	38
XXIII	40
XXIV	32



MINERAL RESOURCES BRITISH COLUMBIA
ASSESSMENT REPORT
8102
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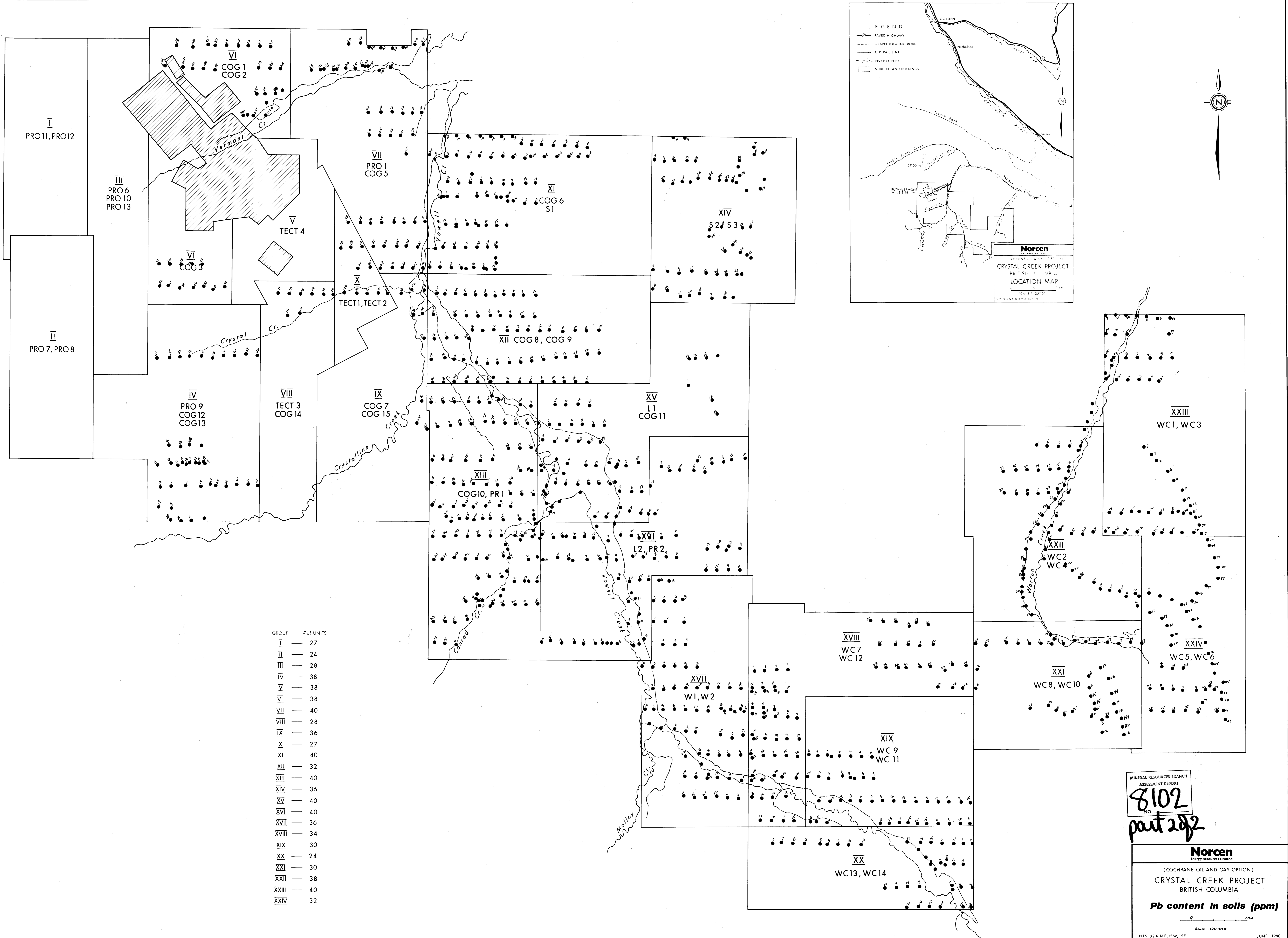
Norcen
Energy Resources Limited
(COCHRANE OIL AND GAS OPTION)
CRYSTAL CREEK PROJECT
BRITISH COLUMBIA
Zn content in soils (ppm)
Scale 1:250,000
NTS 82-K-14E, 15W, 15E
JUNE, 1980



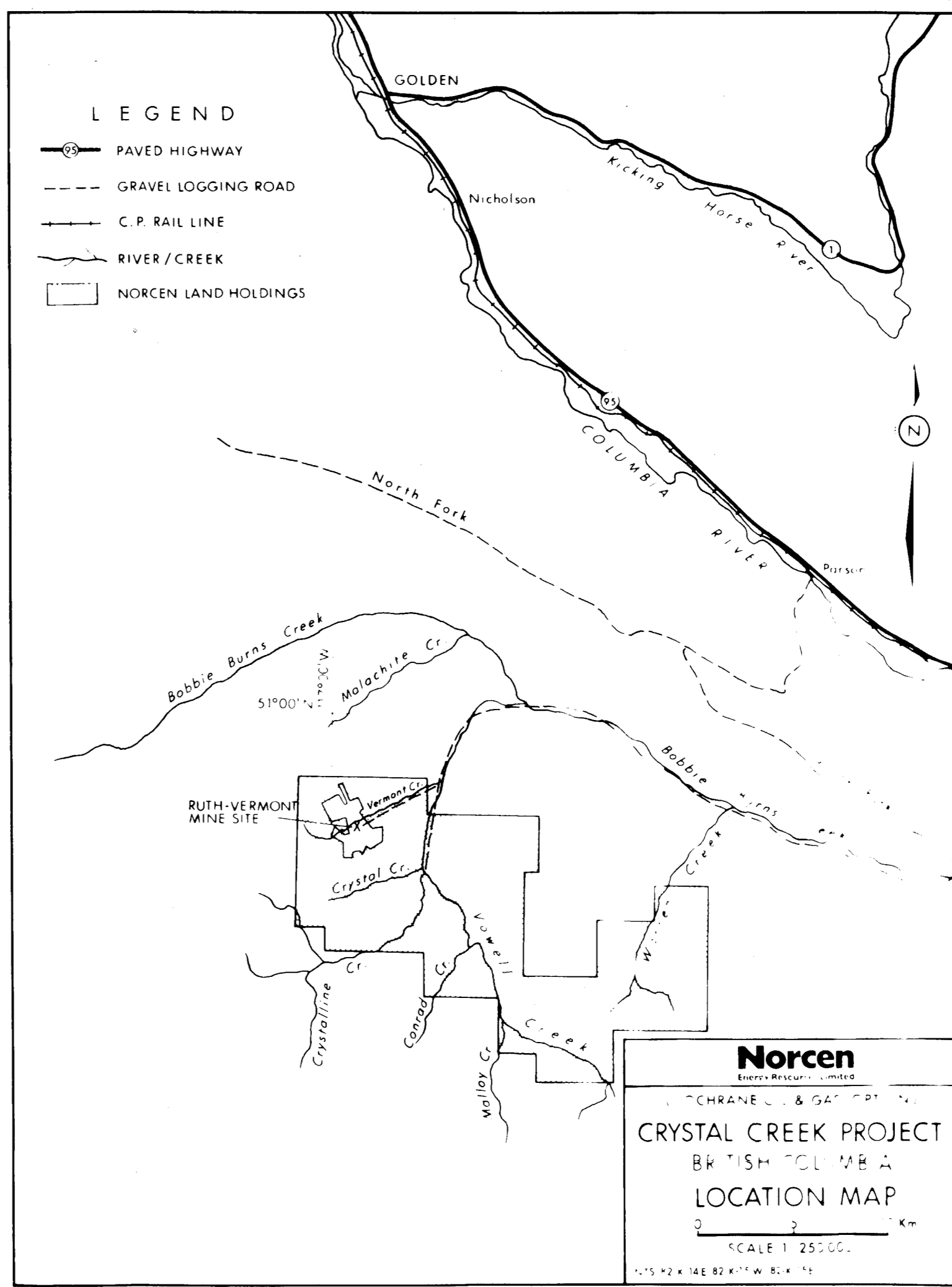
GROUP	# of UNITS
I	27
II	24
III	28
IV	38
V	38
VI	38
VII	40
VIII	28
IX	36
X	27
XI	40
XII	32
XIII	40
XIV	36
XV	40
XVI	40
XVII	36
XVIII	34
XIX	30
XX	24
XXI	30
XXII	38
XXIII	40
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CRYSTAL CREEK PROJECT
BRITISH COLUMBIA
Ag content in soils (ppm)
Scale 1:20,000
N.T.S. 82-K14E, 15W, 15E JUNE, 1980

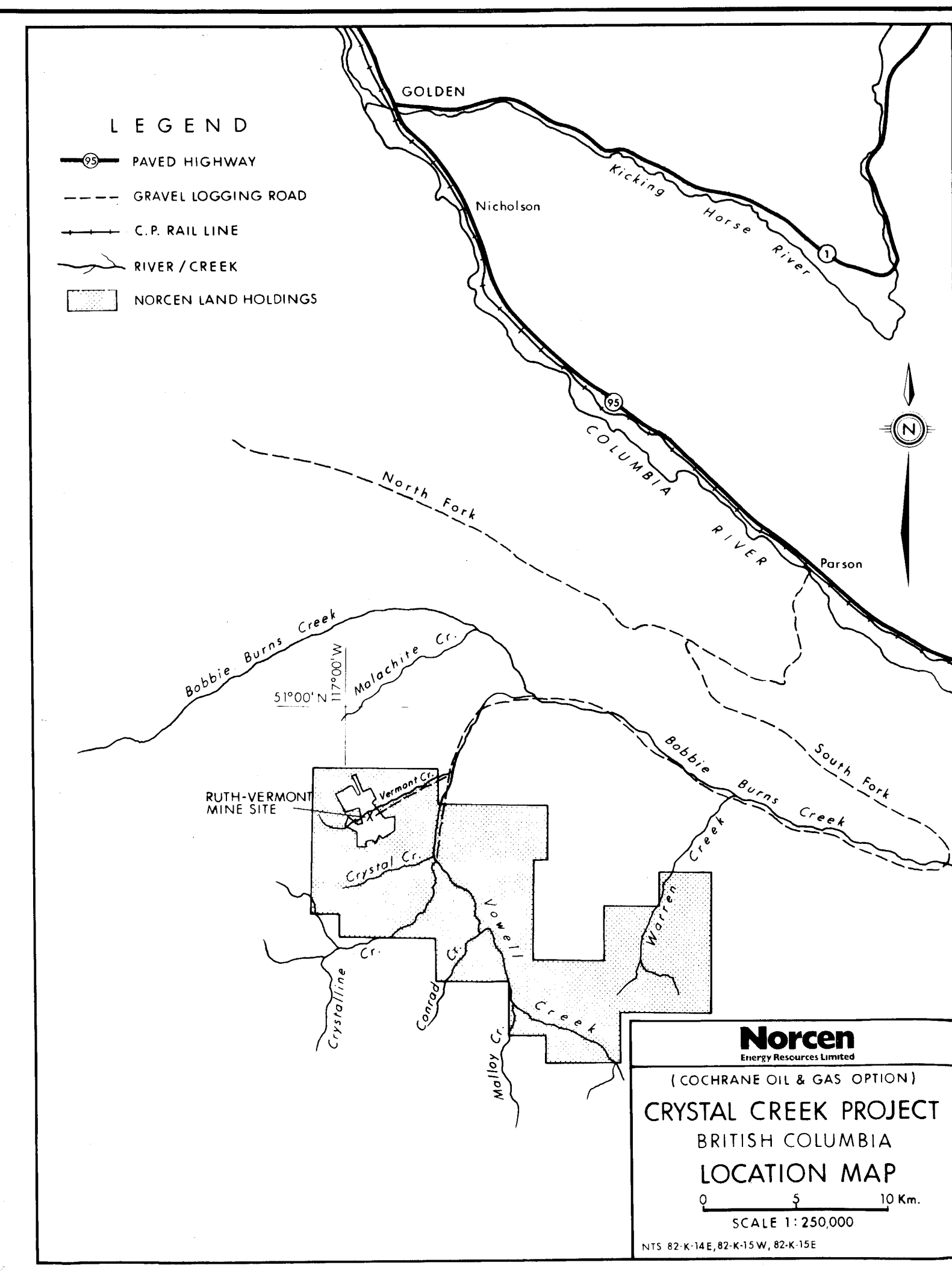
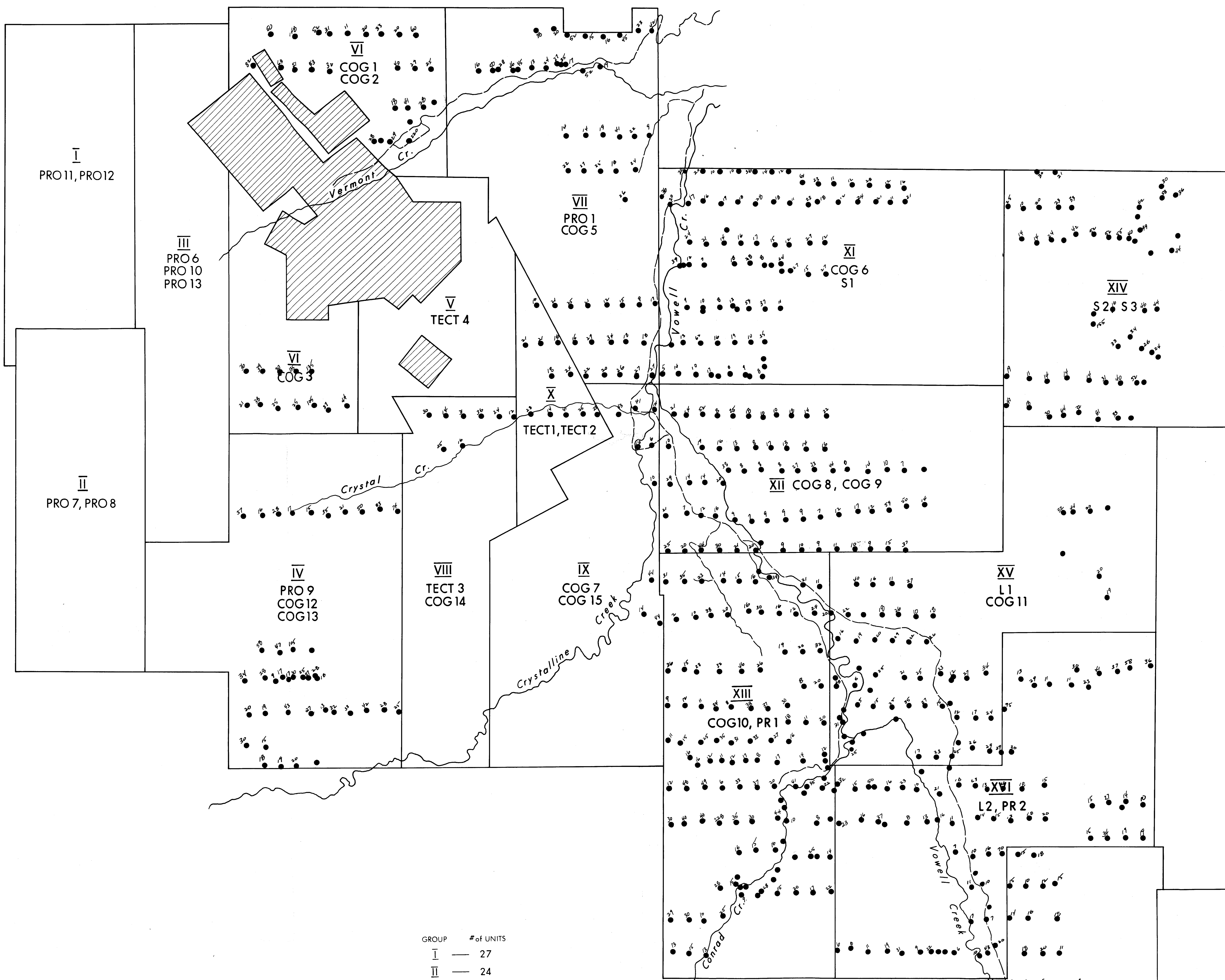


GROUP	# of UNITS
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II	24
III	28
IV	38
V	38
VI	38
VII	40
VIII	28
IX	26
X	27
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XII	32
XIII	40
XIV	36
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XXIV	32

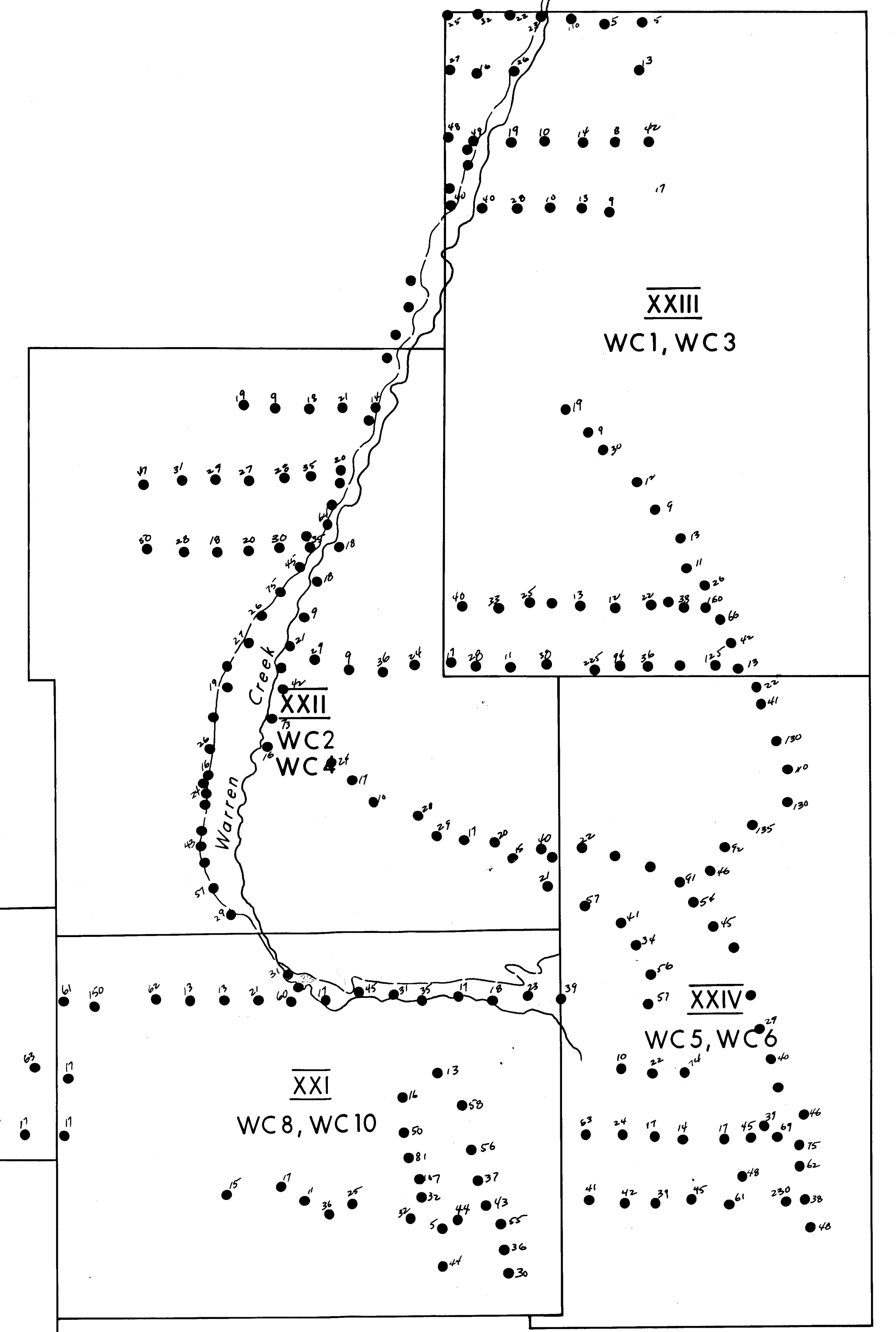


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(COCHRANE OIL AND GAS OPTION)
CRYSTAL CREEK PROJECT
BRITISH COLUMBIA
Pb content in soils (ppm)
Scale 1:20,000
JUNE, 1980



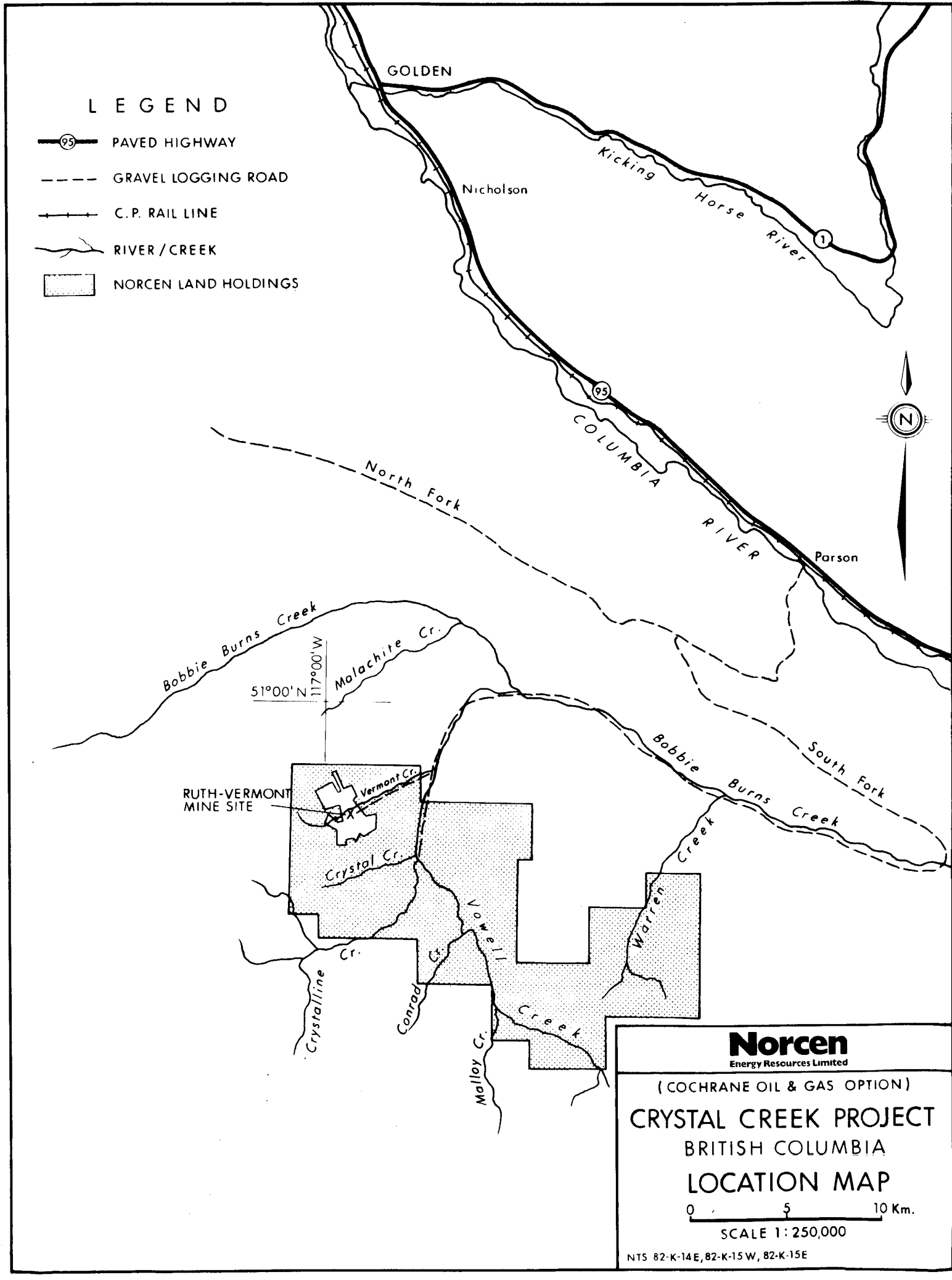
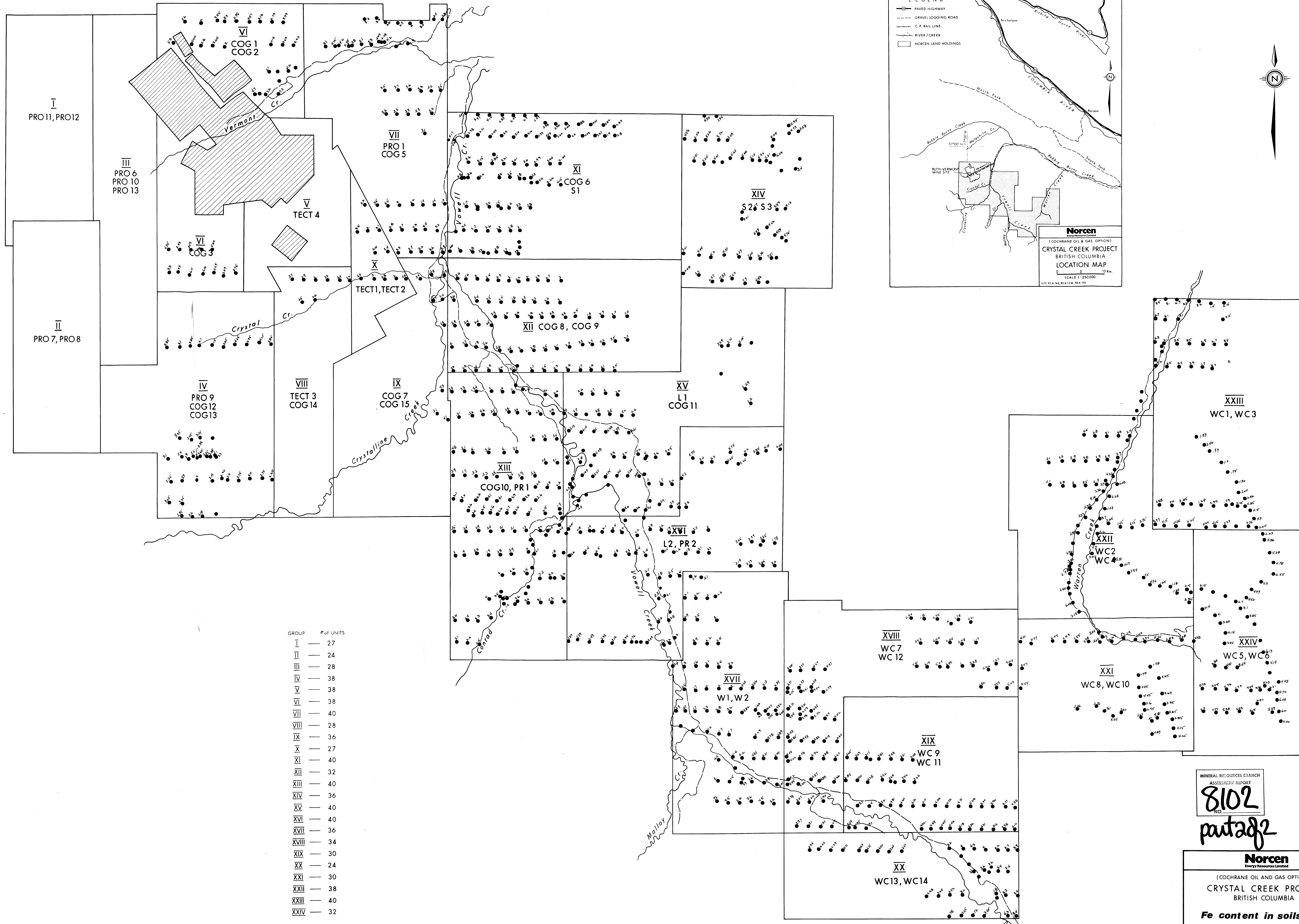
GROUP	# of UNITS
I	27
II	24
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VI	38
VII	40
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IX	36
X	27
XI	40
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XIII	40
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XV	40
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Norcen
Energy Resources Limited
(COCHRANE OIL AND GAS OPTION)
CRYSTAL CREEK PROJECT
BRITISH COLUMBIA
Cu content in soils (ppm)

0 1km
Scale 1:20,000
NTS 82-K-14E, 15W, 15E
JUNE, 1980



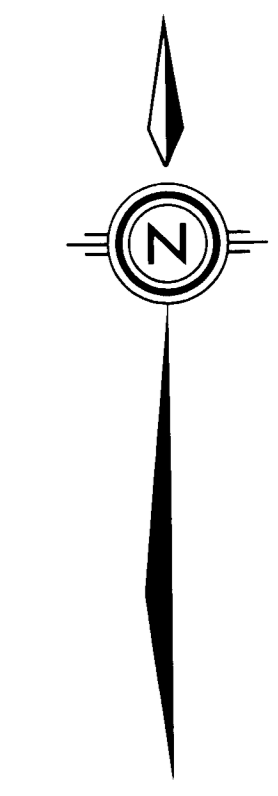
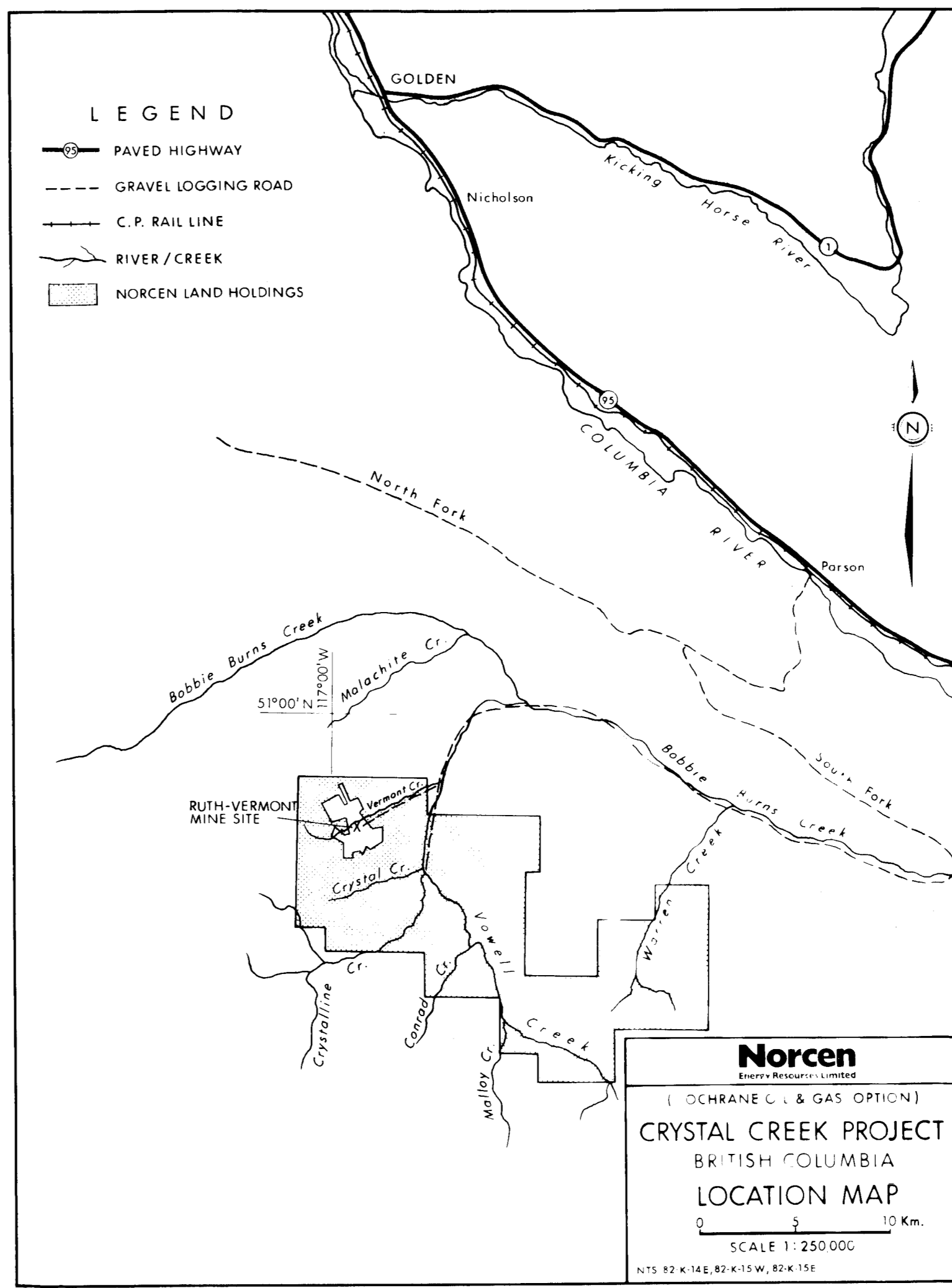
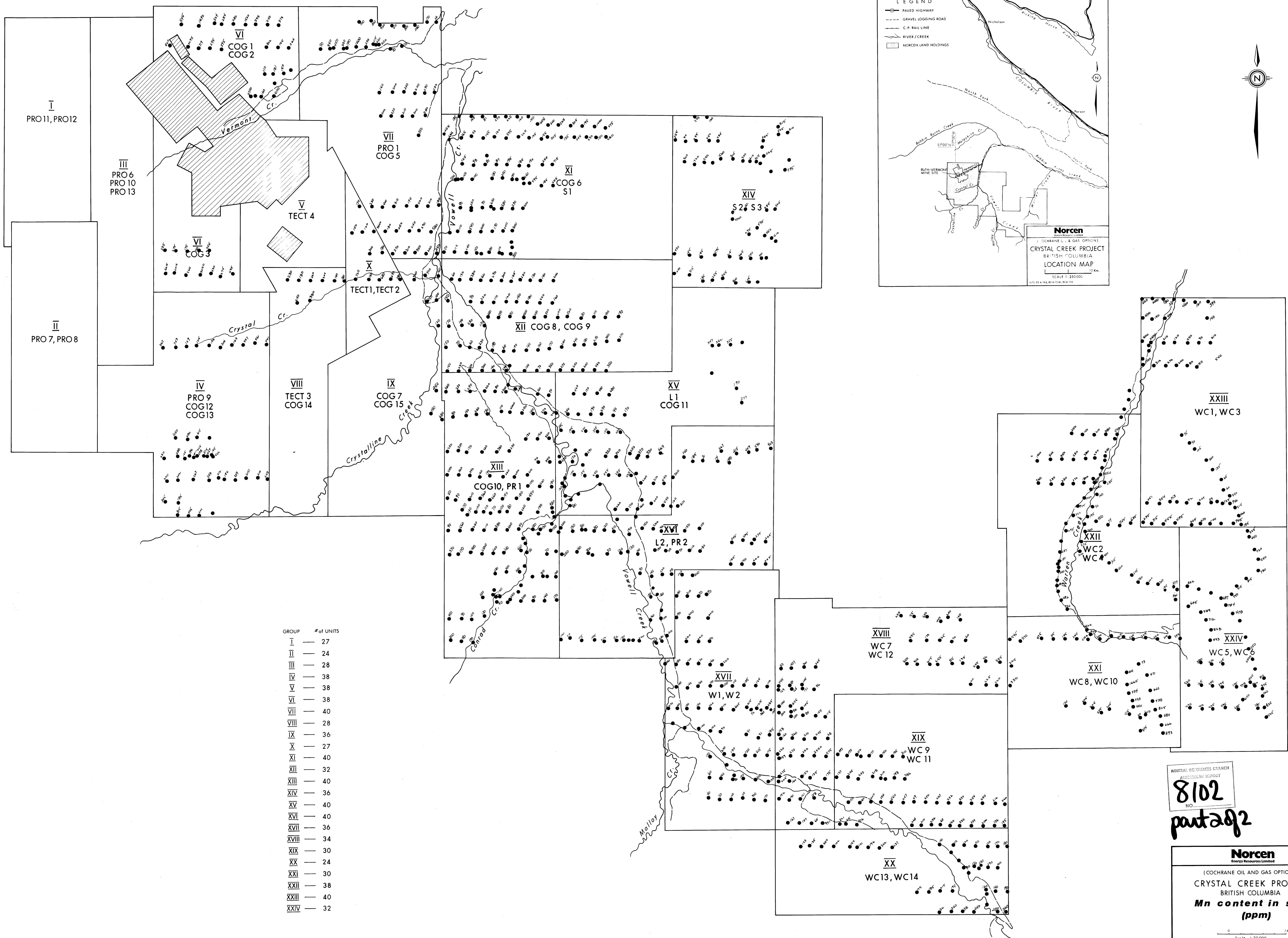
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I	27
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(COCHRANE OIL & GAS OPTION)
CRYSTAL CREEK PROJECT
BRITISH COLUMBIA
Fe content in soils (1.)

Scale 1:20,000

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

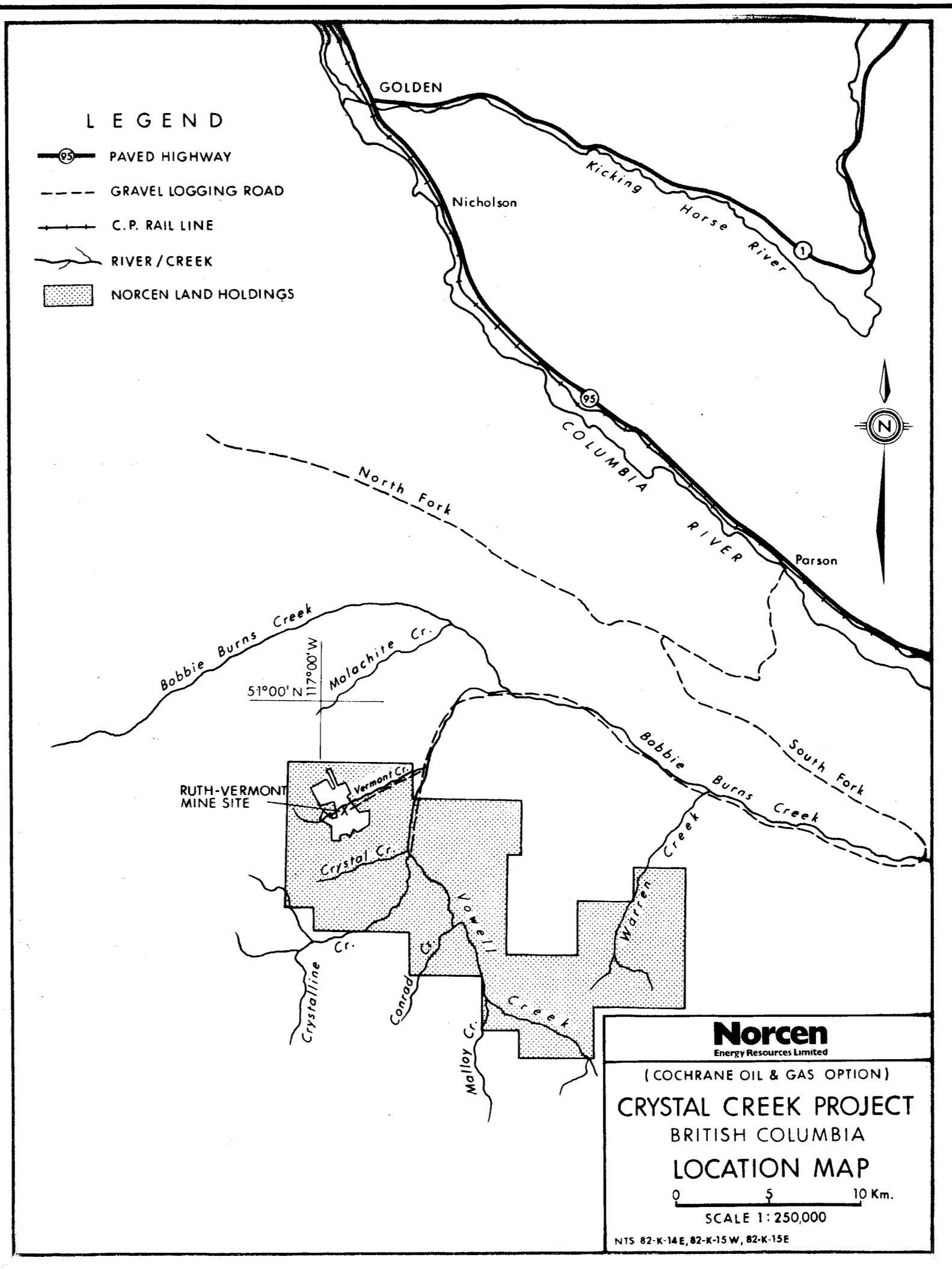
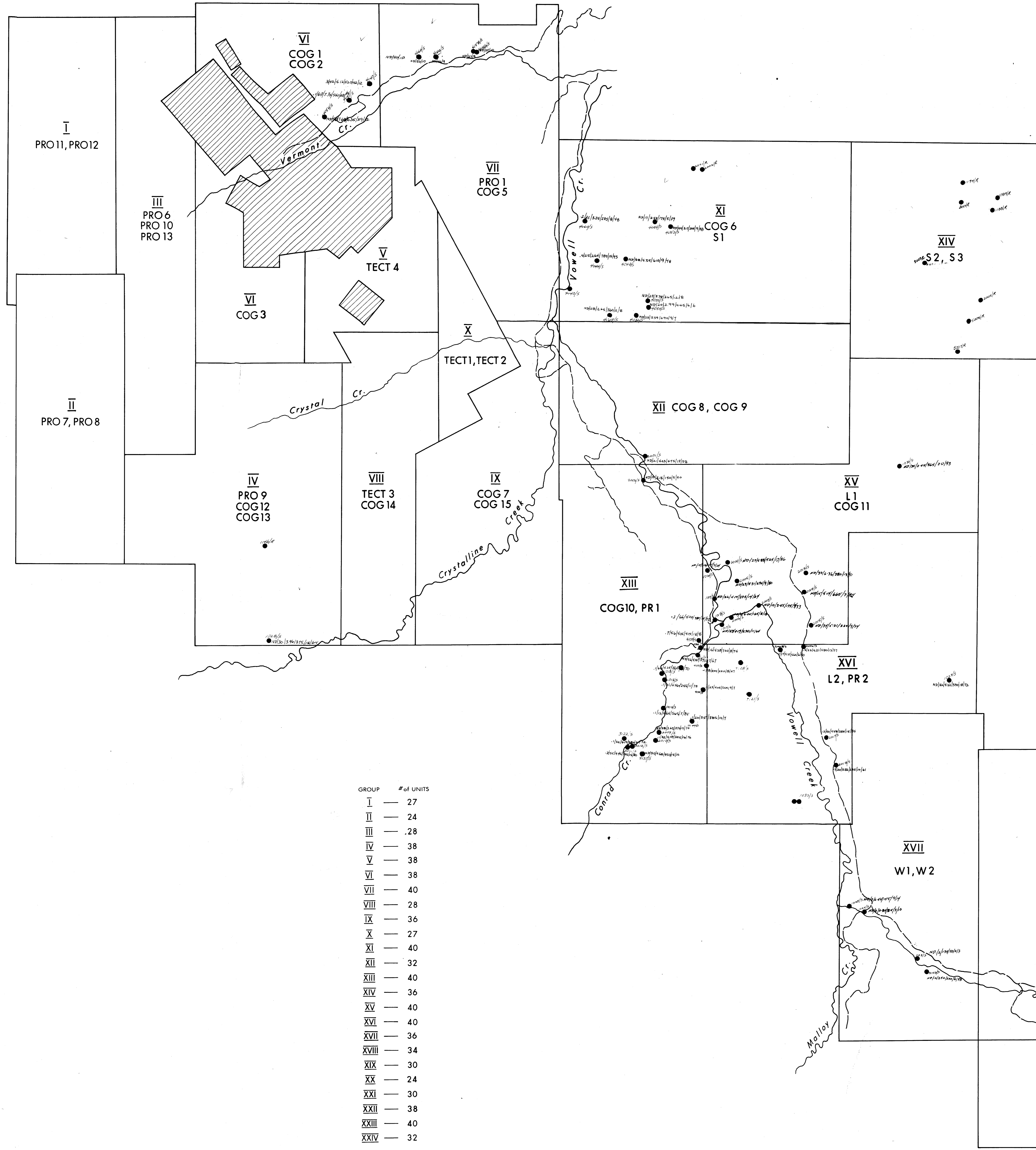


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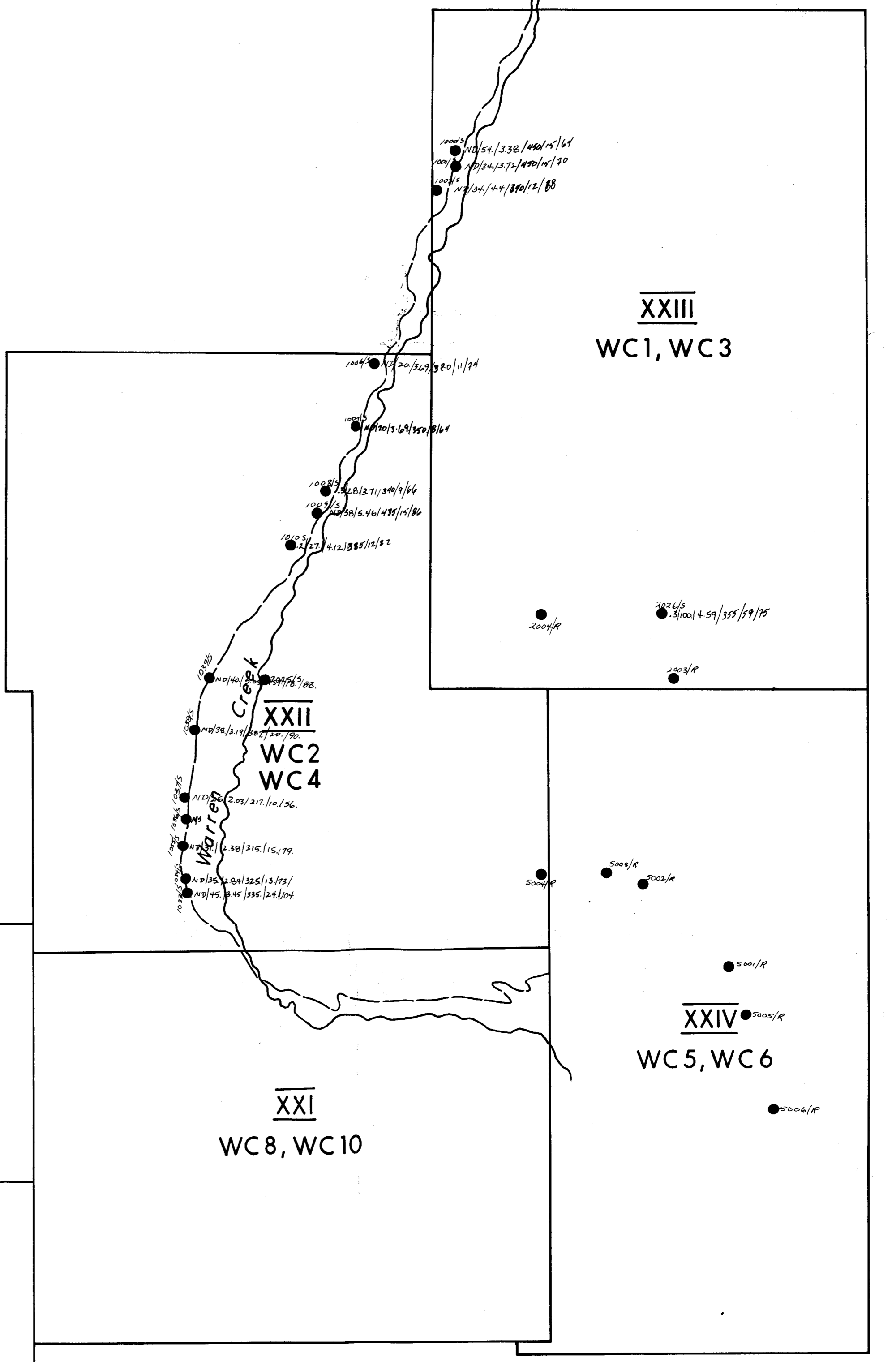
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
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Norcen
Energy Resources Limited
(COCHRANE OIL AND GAS OPTION)
CRYSTAL CREEK PROJECT
BRITISH COLUMBIA
Mn content in soils
(ppm)

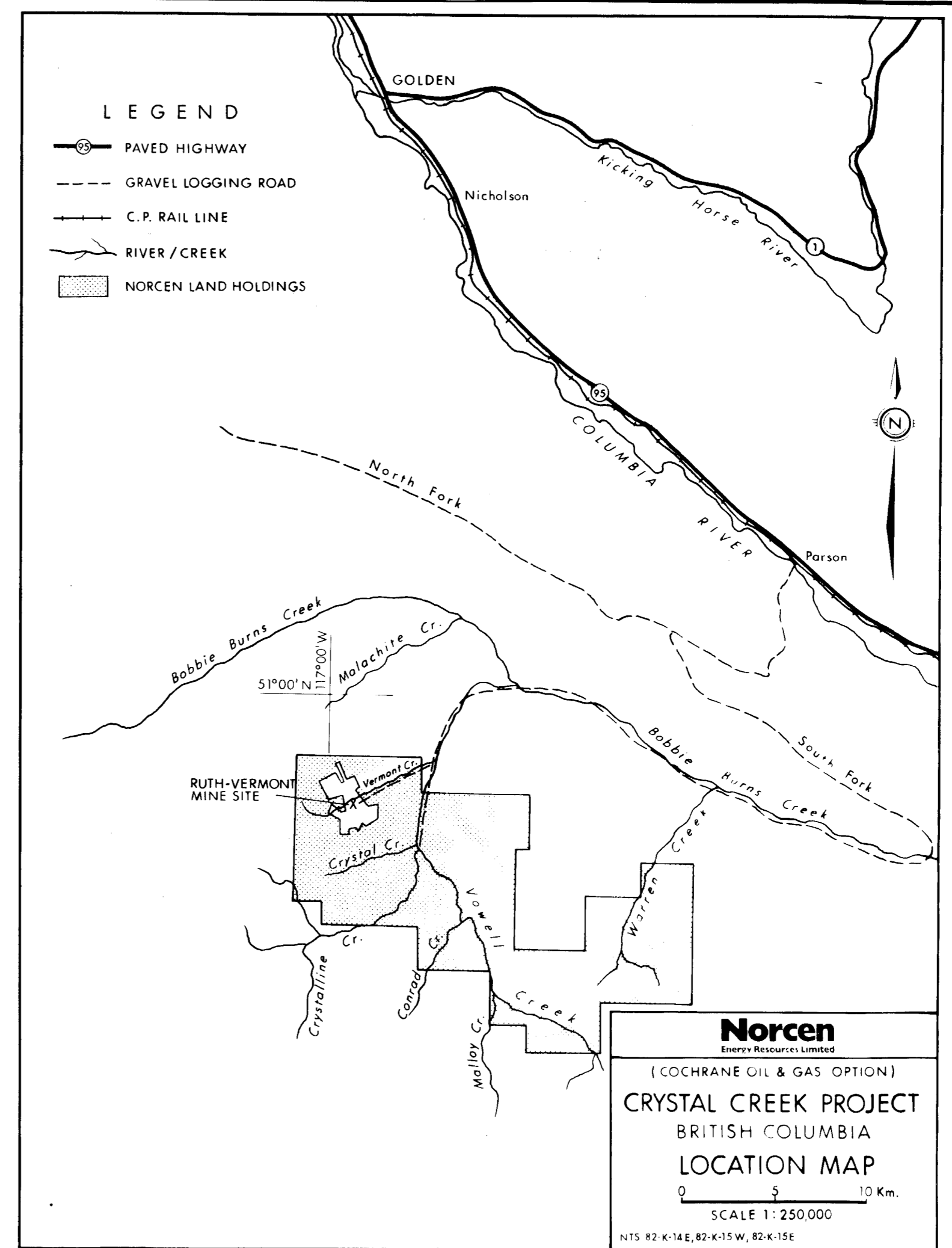
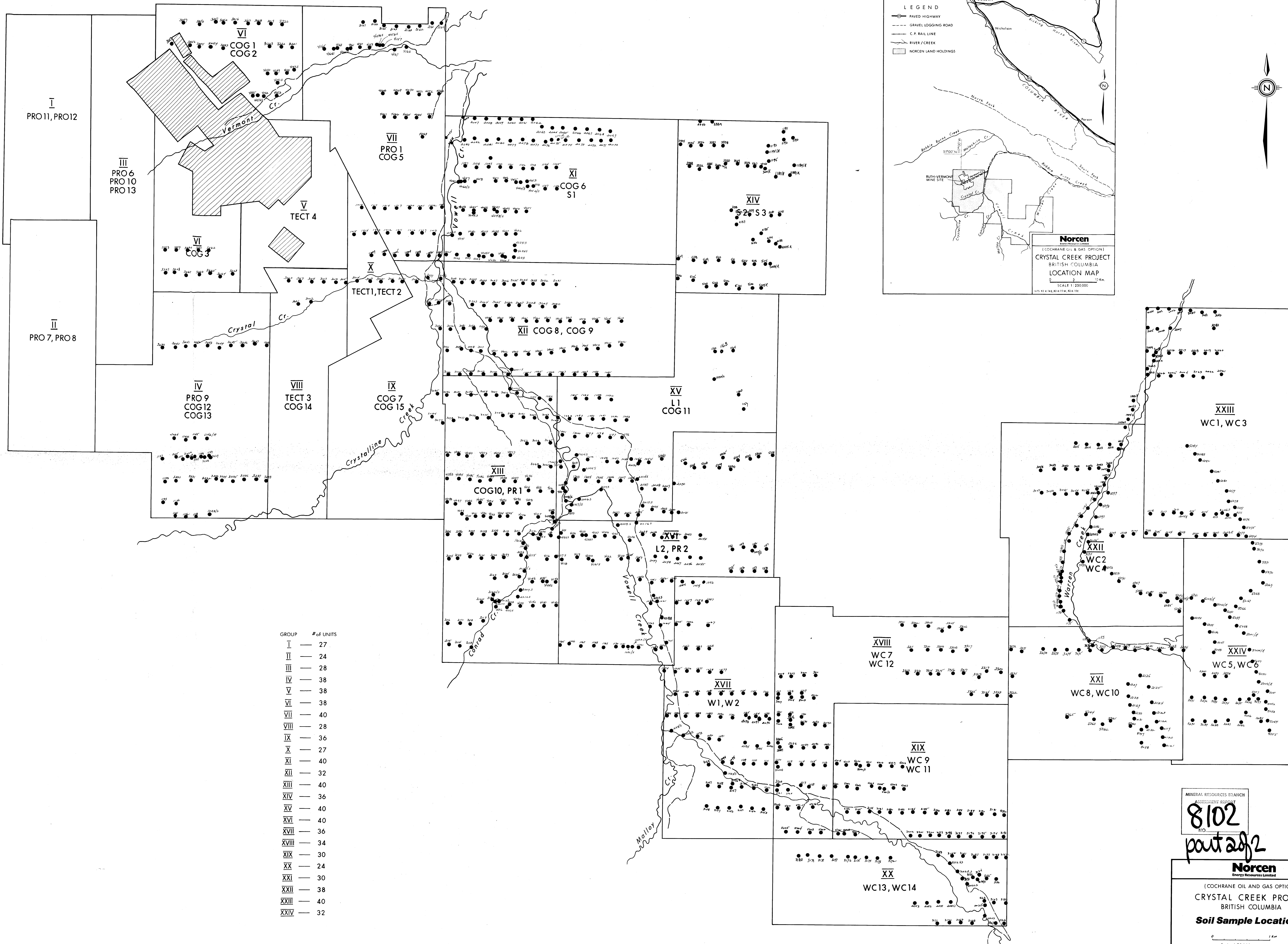
Scale: 1:250,000
NTS 82-K-14E, 15W, 15E
JUNE, 1980



GROUP	# of UNITS
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Norcen
Energy Resources Limited
(COCHRANE OIL AND GAS OPTION)
CRYSTAL CREEK PROJECT
BRITISH COLUMBIA
Soil Sample Locations
Scale 1:250,000
NTS 82-K-14E, 15W, 15E
JUNE, 1980