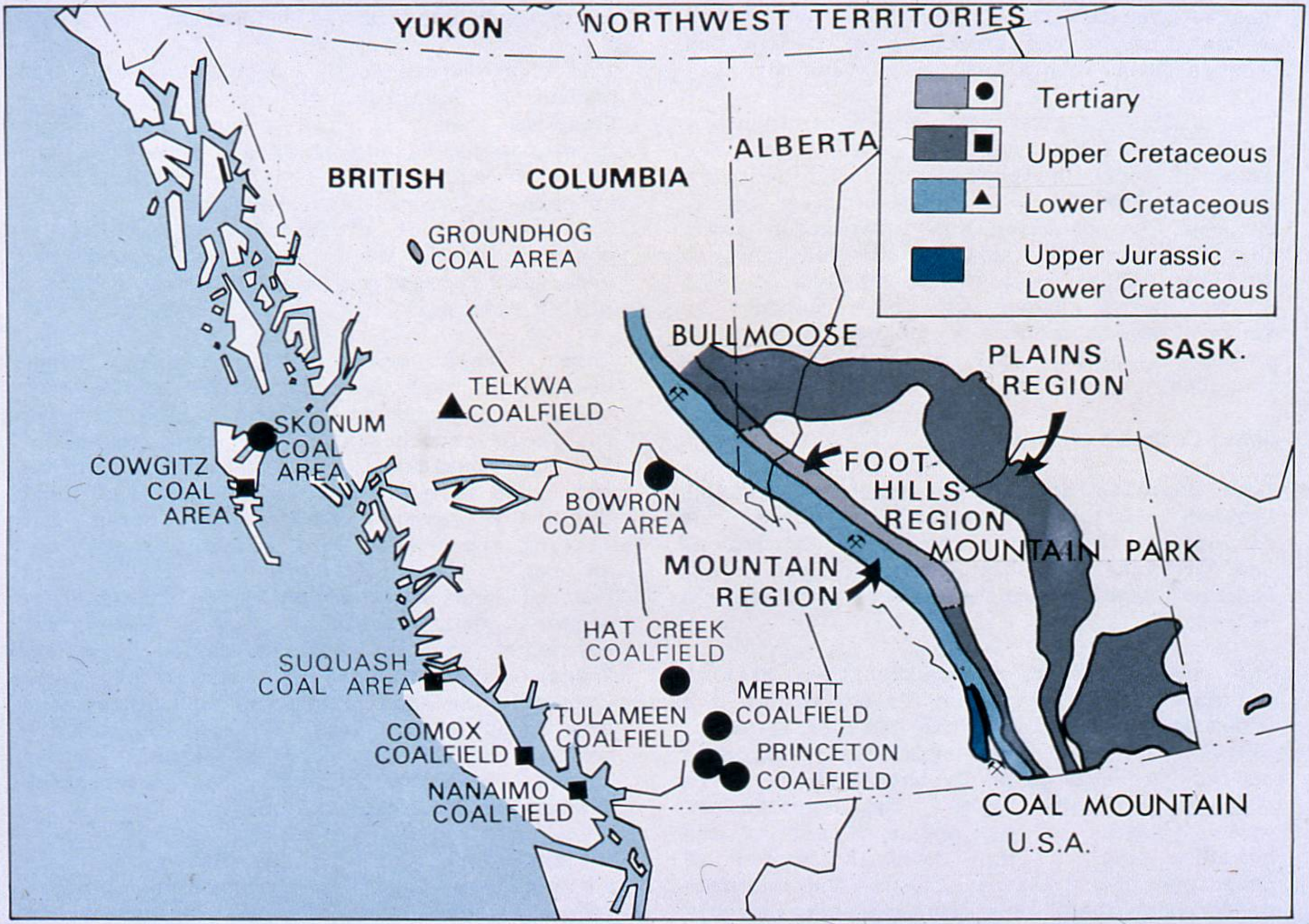
YUKON
NORTHWEST TERRITORIES
ALBERTA
BRITISH COLUMBIA
Tertiary
Upper Cretaceous
Lower Cretaceous
Upper Jurassic - Lower Cretaceous
GROUNDHOG COAL AREA
TELKWA COALFIELD
SKONUM COAL AREA
COWGITZ COAL AREA
BULLMOOSE
PLAINS REGION
SASK.
FOOT-HILLS REGION
BOWRON COAL AREA
MOUNTAIN REGION
MOUNTAIN PARK
HAT CREEK COALFIELD
SUQUASH COAL AREA
MERRITT COALFIELD
TULAMEEN COALFIELD
COMOX COALFIELD
PRINCETON COALFIELD
NANAIMO COALFIELD
COAL MOUNTAIN
U.S.A.

GENERALIZED GEOLOGY

BULLMOOSE - SUKUNKA AREA

SCALE:

0 1 2 3 4 5 KM

N

BULLMOOSE MOUNTAIN FAULT ZONE

MT. CHAMBERLAIN

MT. CHAMBERLAIN THRUST FAULT

WEST FORK AREA

SOUTH FORK AREA

MT. SPIEKER

LEGEND

GATES MEMBER

TOP OF GETHING

Fig. 4

U U 3 3 4 4 5 5 5 6 6 U U U U U U U U
3 3 3 3 4 4 5 6 6 6 6 5 6 U U U U U U
2 2 2 3 3 4 5 6 5 6 6 6 6 U U U U U U
2 2 2 2 2 3 4 4 5 6 6 6 6 6 U U U U U
1 2 2 3 3 3 3 3 4 5 6 7 6 6 U U U U U
1 1 2 2 3 3 3 2 3 4 6 6 6 5 6 U U U U
1 2 2 2 3 3 2 2 2 3 5 6 5 5 6 U U U U
1 1 1 2 2 2 2 2 2 2 2 4 5 6 7 7 U U U
1 1 1 2 2 2 2 2 3 3 3 4 5 6 7 7 U U U
1 1 1 1 2 2 2 3 4 4 5 5 6 6 7 7 7 U U
1 1 1 1 2 2 2 3 4 5 6 6 6 7 7 7 7 7 U
1 1 1 1 1 2 2 3 3 4 5 5 6 7 7 7 7 7 U
1 1 1 1 2 2 2 2 3 3 4 4 5 6 7 7 6 7 U
2 1 1 1 2 2 2 2 2 2 3 4 5 6 6 6 6 6 U
2 2 2 2 2 2 2 2 1 2 3 4 5 5 5 5 5 5 4
2 2 2 2 2 2 2 2 2 2 3 5 5 5 5 5 5 4 4
2 2 2 2 2 2 2 2 2 3 4 5 5 5 5 5 4 4 4
2 2 2 2 2 2 2 2 2 3 4 5 5 5 5 5 4 4 U
2 2 2 2 2 2 2 2 3 3 4 5 6 5 5 4 4 U U
2 2 2 2 2 2 2 3 3 3 4 5 5 5 4 4 3 3 U
2 2 2 2 2 3 3 3 3 3 3 4 4 4 4 3 3 3 3
2 2 2 2 2 3 4 3 3 3 3 4 4 4 4 3 4 4 3
2 2 2 2 3 3 4 3 3 3 3 4 4 4 4 4 4 4 4
2 2 2 2 3 3 4 3 3 3 3 4 4 5 4 4 4 4 4
2 2 3 3 3 4 4 3 3 3 4 5 5 5 5 5 5 5 5
U U 3 3 3 4 4 4 3 3 4 5 5 5 5 5 5 5 5
U U 4 4 4 4 4 4 3 3 4 4 4 4 4 5 5 5 5
U U U 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
U U U U 4 4 4 4 4 4 3 3 3 3 4 4 4 4 4
U U U U U U 4 4 4 4 3 3 3 4 4 4 4 4 4
U U U U U U U 4 4 3 3 3 3 4 4 4 4 4 U
U U U U U U U U 4 4 3 3 3 3 4 4 4 U U
U U U U U U U U U U U U U U U U U U U

LEGEND AP—TT

UNITS/GRID SQUARE= 1ØØ
X & Y ORIGIN= 595ØØ 61Ø96ØØ

U= LESS THAN Ø OR UNDEFINED
Ø= Ø TO .25
1= .25 TO .5
2= .5 TO .75
3= .75 TO 1
4= 1 TO 1.25
5= 1.25 TO 1.5
6= 1.5 TO 1.75
7= 1.75 TO 2
8= 2 TO 2.25
9= 2.25 TO 2.5
*= GREATER THAN 2.5

FILE SUMMARY

OF

BULLM1 BY

FILE IS 96 RECORDS LONG EACH RECORD HAS 8 FIELDS
EACH RECORD IS 55 CHARCTERS LONG AND THERE ARE 1 LINES/RECORD

VARIABLE	FIELD NAME	START COLUMN	FIELD WIDTH	LINE NUMBER
F$(1)	HOLE NAME	1	5	1
F$(2)	X COORD	7	6	1
F$(3)	Y COORD	14	7	1
F$(4)	A SULF	22	5	1
F$(5)	B SULF	28	5	1
F$(6)	A PART	34	5	1
F$(7)	A-B DIST	40	5	1
F$(8)	B-C DIST	46	5	1

T-3	594291	6113811	*	*	*	*	*
T-6	595365	6113213	1.39	1.99	*	*	*
T-8	593216	6113014	*	*	*	*	*
T-86	595325	6112431	1.09	1.68	*	*	*
T-10	594215	6112424	*	*	*	*	*
T-60	595452	6112129	1.29	1.68	*	*	*
T-96	593655	6111999	1.54	2.32	2.13	3.05	*
T-61	595697	6111959	1.38	2.08	*	*	*
T-11	595098	6111904	1.47	2.65	2.65	*	*
T-92	593695	6111691	1.84	3.36	2.2	1.91	.82
T-62	595552	6111684	1.55	2.99	*	*	*
T-95	593998	6111676	1.54	2.82	1.78	2.77	.88
T-32	595077	6111559	1.56	2.06	1.43	2.75	*
T-21	594737	6111469	1.72	3.58	2.05	2.98	1
T-22	593992	6111449	1.8	4.29	2.0	2.99	*
T-35	594342	6111434	1.79	3.59	2.69	4.58	.8
T-93	593744	6111395	1.64	4.07	*	*	*
T-89	592303	6111383	1.76	4.4	1.94	1.41	.75
T-23	593532	6111339	1.89	3.79	2.79	4.79	1
T-26	592502	6111324	1.79	3.19	1.69	3.29	1
T-84	593107	6111319	1.81	3.48	1.56	4.16	1.07
T-31	594927	6111294	1.99	3.9	1.99	3.98	*
T-25	592752	6111279	1.69	3.88	1.59	4.57	1
T-98	595327	6111264	1.67	*	*	*	*
T-63	595317	6111259	*	*	*	*	*

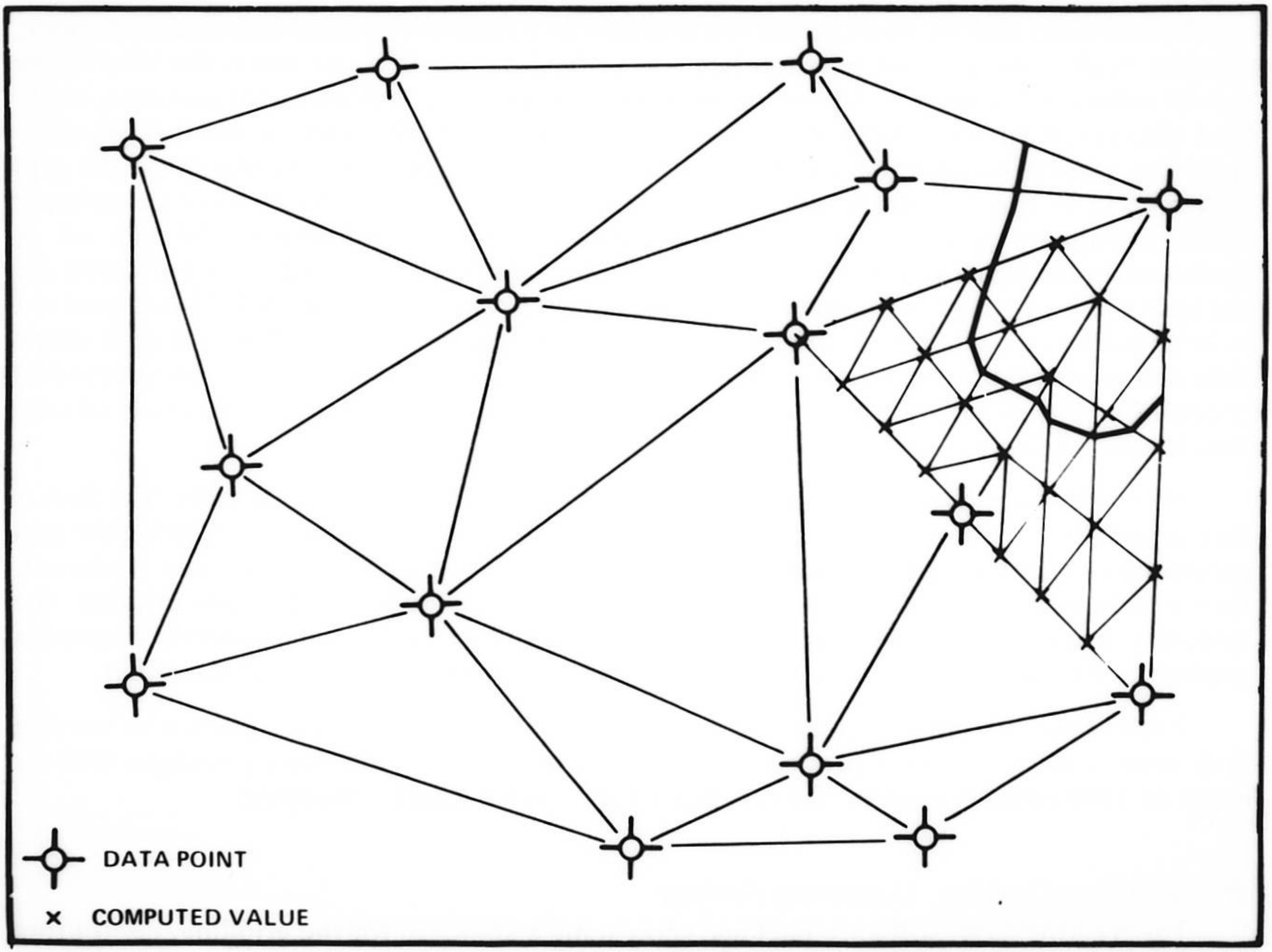

Fig. 2. The SUKKAR Triangulation and Interpolation Approach. Note that the solid line indicates the contour line. One large triangle can be divided into a number of small triangles

PROJECT	MOUNTAIN PARK	COAL MOUNTAIN	BULLMOOSE
DATE	1977	1980	1982
COMPUTER MAKE	AMDAHL	IBM	CBM
COMPUTER OWNER	U of A	ESSO	PERSONAL
CORE STORAGE	4 MILLION	1 MILLION ?	32 THOUSAND
OPERATING SYSTEM	MTS	TSO SPF	BASIC
LANGUAGES	FORTRAN APL	FORTRAN	BASIC
FIELD USE	NIL	REMOTE HOOKUP FIELD PLOTTER	TOTAL
DATA ENTRY	PUNCH CARDS	ON LINE	ON LINE

0
500
1000 m

(a)
-6000
-5000
-4000
N
0
1
Km

(a)
0
-20
-20
-40
-60
-80
N
0
1
Km

MODEL PLANNING

OBJECTIVES

- Deposit geology (exploration phase)
- Detailed tonnage & grade calculations
- Depositional relationships

DATA

- Types to be used
- Is it adequate?
- Collection procedures

SCALE

- Size of Area
- Resolution of model