UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALTON QUADRANGLE
UTAH—KANE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN-FILE REPORT 79-1423
PLATE 7 OF 13

3459 IV
(PANGUITCH LAKE)
1:62 500

3559 III SW
(GEORGE MTN.)

3559 III SE
(TROPIC RESERVOIR)

3458 I
(ORDERVILLE)
1:62 500

(PODUNK CREEK)
3558 IV NE

(BALD KNOLL)
3558 IV SW

(SKUTUMPAH CREEK)
3558 IV SE

112°30′ — 112°22′30″ — 37°30′ — 27′30″ — 25′ — R.6W. — R.5W. — T.38S. — T.39S.

KRCRA

Coal Lse.
U060745

Coal Lse.
SL064507

Coal Lse.
SL05 8575

Coal Lse.
U083072

Coal Lse.
U098705

Coal Lse.
065012

Coal Lse.
U060746

RB R(85%)
0.19 0.16

RB R(85%)
0.15 0.13

RB R(85%) RB R(50%)
0.38 0.32 — —
1.29 1.10 0.19 0.10

RB R(85%) RB R(50%)
1.04 0.88 0.02 0.01
1.76 1.50 0.20 0.10

RB R(50%)
0.17 0.14

LIMIT OF DATA

BK — SL — M — I

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

GN — MN
0°52′ 16 MILS
15½° 276 MILS
UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

UTAH
QUADRANGLE LOCATION

NON-FEDERAL COAL LAND - Land for which the FEDERAL GOVERNMENT does not own the coal rights.

Coal Lease U060745
AREA OF COAL LEASE ON FEDERAL LAND - Showing coal lease number.

BK - BALD KNOLL
COAL ZONE SYMBOL AND NAME

BK
TRACE OF COAL ZONE OUTCROP - Showing symbol of coal bed or zone name. Arrow points towards coal bearing area. Long dashed where inferred, short dashed where author inferred, dotted where concealed.

5
ISOPACH - Showing thickness of coal in feet. Arrow points towards coal greater then 5 feet thick.

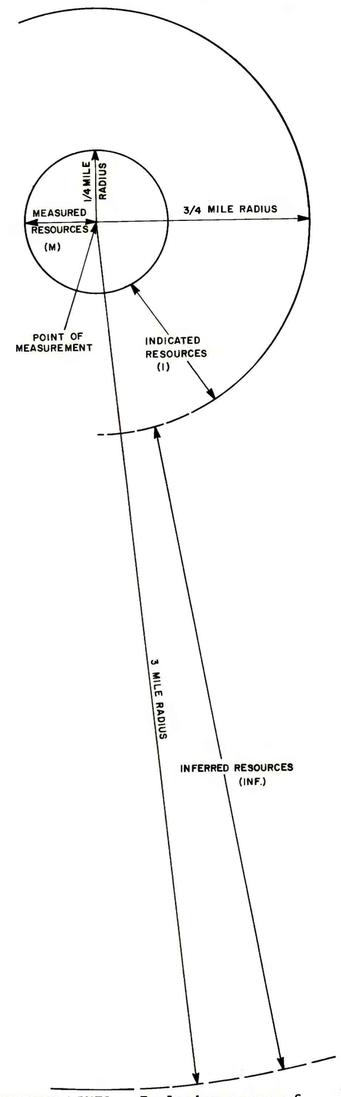
SL
STRIPPING LIMIT LINE - Boundary for surface mining, the 200 foot overburden isopach. Arrow points toward area suitable for surface mining where the recovery factor is 85 percent, and away from area suitable for subsurface mining where the recovery factor is 50 percent.

+
POINT OF MEASUREMENT - Point from which boundary lines for measured, indicated and inferred coal resources were drawn.

RB	R(85%)	RB	R(50%)	
___	___	___	___	(Measured)
___	___	___	___	(Indicated)
___	___	___	___	(Inferred)

IDENTIFIED COAL RESOURCES - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part section of non-lease Federal coal land within the KRCRA. Reserve (R) tonnage is calculated by multiplying the Reserve Base (RB) tonnage by the appropriate recovery factor. Dash indicates no resource in that category.

LIMIT OF DATA
LIMIT OF DATA LINE - Coal resources were not calculated for areas beyond line shown because of insufficient data.



BOUNDARY LINES - Enclosing areas of measured (M), indicated (I), and inferred (Inf) coal resources. Dashed where projected from adjacent quadrangles.

To convert feet to meters, multiply feet by 0.3048.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert miles to kilometers, multiply miles by 1.609.

COAL DEVELOPMENT POTENTIAL MAP OF THE ALTON QUADRANGLE KANE COUNTY, UTAH

BY

MEIIJI RESOURCE CONSULTANTS

1979

PLATE 7

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAP OF THE BALD KNOLL COAL ZONE