

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ASCII database of principal lode mines and mineralized areas in
southern Summit County, Colorado

Part A: Documentation

By

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Open File Report

91-0027A Documentation (paper copy)
91-0027B Database and Documentation Diskette

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INTRODUCTION

The data on the enclosed diskette complement a map by Wilson and LaRock (in press), which shows mineralized areas and the principal lode mines in southern Summit County, Colorado. The data were initially collected and compiled during a study by the U.S. Geological Survey of the mineral resource potential of the White River National Forest and Dillon Ranger District of the Arapaho National Forest. The information updates the Mineral Resources Data System (MRDS) (USGS, 1990) and provides a base for future studies of the ore deposits in Summit County.

There are four ASCII files on the enclosed 360K floppy diskette: OPENFILE.DOC, 295A.ASC, SYN-COM.ASC, and ALATLONG.ASC. OPENFILE.DOC is a copy of this text for documentation. 295A.ASC (Table 1) is a database arranged alphabetically by mine name, that lists the mineralized area, 7-1/2 minute topographic quadrangle, and various references for the 295 principal mines in southern Summit County (Wilson and LaRock, in press). SYN-COM.ASC (Table 2) is a file containing synonyms and comments for selected mines. ALATLONG.ASC (Table 3) contains the latitude and longitude location for each mine, sorted alphabetically by mine name. Some mines have several openings and therefore have more than one entry in ALATLONG.ASC.

A paper copy of the files is provided for the users' convenience (Tables 1 - 3). The text is printed in WordPerfect 5.1 (WordPerfect Corporation, 1990), the three data files are produced from Paradox 3.5 (Borland International, 1990).

METHODOLOGY

The authors painstakingly located each mine on current 1:24,000 topographic maps using geologic and geographic descriptions in published literature. Only named locations that could be verified in published literature were plotted, but a single mine may contain multiple named adits and/or shafts. No attempt has been made to show which mine workings are currently accessible and which are not. Mines were omitted if the only location information available was extremely poor. This applied to a few entries listed in MRDS (U.S. Geological Survey, 1990) and to several small mines that are mentioned in published literature but were not plotted on accompanying maps. Numerous undocumented mines and prospects exist throughout the county that are not included.

The mines were plotted on 7-1/2 minute topographic quadrangle maps printed on stable bases. Using the mapping program GSMAP, version 7.0 (Selner and Taylor, 1991), each map was digitized individually and then merged into a master database. The data were plotted at 1:50,000 scale (Wilson and LaRock, in press) to match the scale and projection used by the County Map Series (U.S. Geological Survey, 1976).

MINERALIZED AREAS

Each mine has been assigned to one of the following mineralized areas in Summit County: North Rock Creek, Peru Creek, Montezuma, Keystone, Swandyke, Breckenridge, Blue River, East Blue River, Monte Cristo, and Kokomo-Tenmile (Wilson

and LaRock, in press). The mineralized areas were defined by topography, access, and geology and may include or subdivide historical mining districts. Known ore deposits and mineralized areas are described in reports by Brown (1990a,b). The mineral resource potential is currently (1991) being evaluated by the USGS as part of the White River National Forest and Dillon Ranger District of the Arapaho National Forest mineral resource assessment.

TABLES

The following headings are found in the Tables:

Mine: the common mine name. If the name most commonly used in the literature is not the same as that printed on the topographic quadrangle map, then the literature name is given in parentheses (it will also be included as a synonym in the SYN-COM.ASC file (Table 2)). Also in parentheses are descriptors that are not part of the official name, such as lower tunnel, shaft, etc. Mine names throughout the county are not always unique. If a mine name duplicates another mine name elsewhere in the county, the mineralized area is given in brackets.

No.: the number used by Wilson and LaRock (in press) to identify the mine. Mines are numbered consecutively within each mineralized area by quadrangle.

Area: the mineralized area as defined by Wilson and LaRock (in press).

Quadrangle: the 7-1/2 minute topographic map on which the mine is located.

References: listed in order of usefulness and apparent accuracy in locating the mine. Letters correspond to the lettered reference list. If the location based on the literature search matched that of a mine symbol on the topographic map, then the map was included as a reference.

MRDS No. 1, 2, & 3: entry numbers in the U.S. Geological Survey's MRDS database. Some mines were entered multiple times in MRDS.

USBM: a "Y" indicates that the mine is discussed individually and an "I" indicates that the mine is included with other mines in Brown (1990b).

Synonyms: alternate mine names. Whenever possible, the original mine name is listed, but many of the mines have since been consolidated into larger conglomerates. For example, the Breene, Colonal Sellers, Connors, Free America, Michigan, Quail, Snowbank Group, and the Wilfley are now part of the Wilfley-Kimberly mine (USGS, 1990).

Comments: pertinent information that doesn't fit any of the other categories. Letters refer to the References field described above.

Type: adit (A); shaft (S); prospect, or unknown (X).

North Latitude

Degrees: degrees of north latitude.

Minutes: minutes of north latitude.

Seconds: seconds of north latitude (4 decimal places in ALATLONG.ASC).

West Longitude

Degrees: degrees of west longitude.

Minutes: minutes of west longitude.

Seconds: seconds of west longitude (4 decimal places in ALATLONG.ASC).

ASCII FILES

ASCII File Structures: (N indicates a numeric field; A indicates an alphanumeric field, the number shown represents the maximum number of spaces allotted to each field)

295A.ASC--295 records

Mine	A26
Number	N2
Area	A15
Quadrangle	A15
References	A15
MRDS No. 1	A10
MRDS No. 2	A10
MRDS No. 3	A15
USBM	A1

SYN-COM.ASC--76 records

Mine	A30
Synonyms	A50
Comments	A30

ALATLONG.ASC--316 records

Mine	A30
Type	A1
Degrees N	N2
Minutes N	N2
Seconds N	N (2 digits, 4 decimals)
Degrees W	N3
Minutes W	N2
Seconds W	N (2 digits, 4 decimals)

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Table 1: Alphabetic List of Mines

Mine	No.	Area	Quadrangle	References	MRDs No. 1	MRDs No. 2	MRDs No. 3	USBM
Abundance Shaft	30	Breckenridge	Breckenridge	G, O	DC05161			
Abundance Tunnel	27	Breckenridge	Breckenridge	G, O	DC05161			
Adder	34	Montezuma	Montezuma	E, C	DC05625			
Alice A Tunnel	19	Breckenridge	Breckenridge	G	DC05220			
Allen-Emory	20	Peru Creek	Montezuma	L				
Altoona	63	Montezuma	Keystone	C, R	DC05800			
American Eagle	1	Peru Creek	Montezuma	L, C, E	DC05612			
Arabella	50	Montezuma	Montezuma	L, E				
Arctic	6	Monte Cristo	Breckenridge	H	DC03802			
Arrastre Queen	2	Swandyke	Keystone	C				
Atlantic	14	Montezuma	Montezuma	C	DC05627			
Ballarat	27	Montezuma	Montezuma	F				
Belcher	32	Kokomo-Tenmile	Copper Mtn.	J, P	DC03554			
Bell	41	Montezuma	Montezuma	L, C, F, E	DC05357			Y
Bemrose	12	Monte Cristo	Alma	M, H	DC03807			
Big Giant	44	Kokomo-Tenmile	Copper Mtn.	B, P				
Blanche	22	Montezuma	Montezuma	E, C, F	DC05632			
Blind Tom	1	Keystone	Keystone	C	DC05613			
Blue River	7	Monte Cristo	Breckenridge	H, O	DC03566			
Bolliver Tunnel	7	Montezuma	Montezuma	F				
Bon Ton	61	Breckenridge	Boreas Pass	G	DC03791			
Bondholder	77	Breckenridge	Boreas Pass	G	DC05168			
Bonny Belle	19	Peru Creek	Montezuma	F, L				
Boss	74	Breckenridge	Boreas Pass	G	DC05168			
Boss	1	North Rock Ck.	Willow Lakes	N, I				Y
Boston	65	Kokomo-Tenmile	Copper Mtn.	P, J	DC03975			
Boston Cooney	9	Kokomo-Tenmile	Copper Mtn.	J, P				
Brain	11	Kokomo-Tenmile	Copper Mtn.	J, P				
Breene	27	Kokomo-Tenmile	Copper Mtn.	J, P	DC03555			
Briar Rose	1	Blue River	Breckenridge	O, H	DC03968			
Brittle Silver	14	Peru Creek	Montezuma	C	DC05610			
Brooks-Snider	15	Breckenridge	Breckenridge	H, G, O	DC05172			
Buda	10	Peru Creek	Montezuma	C	DC05608			
Buena Vista	12	Montezuma	Montezuma	L, C, F	DC05627			
Bullion	15	Montezuma	Montezuma	L, C, E, F	DC05627			
Bullion King	18	Breckenridge	Breckenridge	G, O	DC05221			
Burke Tunnel	43	Montezuma	Montezuma	E, L, F				
Burke-Martin	36	Montezuma	Montezuma	L, E	D002503	DC05624		
Cable	35	Montezuma	Montezuma	C	DC05625			
Carbonate	56	Breckenridge	Boreas Pass	K, G, H	D002930	DC03460		
Carrie	3	Swandyke	Keystone	C, D	DC05192			
Cashier	2	Breckenridge	Keystone	C, G	DC05213			Y
Cashier	58	Montezuma	Montezuma	L, E, C, F	D002916	DC05190	DC05580	Y
Champlain	67	Kokomo-Tenmile	Copper Mtn.	J, P				
Charlie Ross	6	Blue River	Breckenridge	H, O	DC03977			

Table 1: Alphabetic List of Mines
(Continued)

Mine	No.	Area	Quadrangle	References	MRDs No. 1	MRDs No. 2	MRDs No. 3	USBM
Chatauqua (lower)	46	Montezuma	Montezuma	L, E, C	DC05357	D002823		Y
Chatauqua (upper)	45	Montezuma	Montezuma	L, C, F, E	D002823	DC05357		Y
Chicago Boy	73	Kokomo-Tenmile	Copper Mtn.	B, P				
Cincinnati	65	Breckenridge	Boreas Pass	G	DC05165			
Clara	14	Kokomo-Tenmile	Copper Mtn.	B, P				
Claude	74	Kokomo-Tenmile	Copper Mtn.	J				
Climax	21	Montezuma	Montezuma	L, E				
Coley (Coaly)	39	Montezuma	Montezuma	C	DC05625			
Colonel Sellers	28	Kokomo-Tenmile	Copper Mtn.	P, J	DC03555			I
Colorado & Toledo Tunnel	4	Montezuma	Montezuma	F, C, E				
Columbine	80	Breckenridge	Boreas Pass	G				
Columbine	53	Kokomo-Tenmile	Copper Mtn.	J				
Congress	9	Peru Creek	Montezuma	E, C	DC05609			
Connors	30	Kokomo-Tenmile	Copper Mtn.	P, J	DC03555			
Copenhagen	9	Keystone	Keystone	E, C	DC05620			
Corporal	59	Breckenridge	Boreas Pass	K				
Country Boy (lower)	39	Breckenridge	Breckenridge	G				Y
Country Boy (upper)	40	Breckenridge	Breckenridge	G, O				Y
Daisy	55	Kokomo-Tenmile	Copper Mtn.	J, P				
Delaware	26	Kokomo-Tenmile	Copper Mtn.	J, P				
Delaware	15	Peru Creek	Montezuma	C	DC05610			
Delmonico	15	Kokomo-Tenmile	Copper Mtn.	B, P				
Denver	72	Kokomo-Tenmile	Copper Mtn.	J				
Denver City & Little Annie	2	Monte Cristo	Copper Mtn.	H, P	DC03976			
Derilla No.1	4	E. Blue River	Breckenridge	H, O	DC03964			
Derilla No.2	5	E. Blue River	Breckenridge	H, O	DC03964			
Diamond Jack	9	Blue River	Breckenridge	H	DC03978			
Don Pedro	7	Keystone	Keystone	R, E, C	DC05619			
Dunkin (lowest tunnel)	45	Breckenridge	Breckenridge	G, O	DC03794			Y
Dunkin (railroad tunnel)	44	Breckenridge	Breckenridge	G	DC03794			Y
Dunkin (shaft)	43	Breckenridge	Breckenridge	G, O	DC03794			Y
East Shaft	47	Kokomo-Tenmile	Copper Mtn.	J	DC03560			
Eden Treasure	69	Kokomo-Tenmile	Copper Mtn.	B				
El Dorado	10	Monte Cristo	Breckenridge	H	DC03565			
Eldorado	46	Kokomo-Tenmile	Copper Mtn.	J	DC03560			I
Ella	33	Breckenridge	Breckenridge	G	DC05165			
Enterprise	17	Kokomo-Tenmile	Copper Mtn.	B, P				
Equity	32	Montezuma	Montezuma	L, E				
Erickson	11	Keystone	Keystone	R, E, C	DC05795			
Erie	59	Montezuma	Keystone	E, F				
Eureka Shaft	21	Breckenridge	Breckenridge	G				
Extension	9	Breckenridge	Frisco	G, Q				
Fair	75	Breckenridge	Boreas Pass	G	DC05168			
Felicia Grace	50	Kokomo-Tenmile	Copper Mtn.	J	DC03560			I
Finding Shaft	16	Breckenridge	Breckenridge	G, H, O	DC05173			
Fisherman	2	Montezuma	Montezuma	E, C, F	DC05618			

Table 1: Alphabetic List of Mines
(Continued)

Mine	No.	Area	Quadrangle	References	MRDs No. 1	MRDs No. 2	MRDs No. 3	USBM
Fountain	78	Breckenridge	Boreas Pass	G	DC05168			
Fox Lake	12	Breckenridge	Frisco	G	DC05219			
Fredonia	2	E. Blue River	Breckenridge	H, O	DC03963			
Free America	22	Kokomo-Tenmile	Copper Mtn.	J	DC03553			
French Creek Tunnel	64	Breckenridge	Boreas Pass	G, K	DC05165			
Gagen	76	Kokomo-Tenmile	Copper Mtn.	A				
General Teller	60	Montezuma	Keystone	R, E	D002826	DC05635		
Germania	51	Breckenridge	Breckenridge	G, H	DC03796			Y
Gilt Edge	26	Montezuma	Montezuma	F				
Glendale	18	Peru Creek	Montezuma	F				
Glenn-Mohawk	3	Blue River	Breckenridge	H	DC03970			
Gold Bell	60	Breckenridge	Boreas Pass	K, G	DC03461			
Gold Dust	46	Breckenridge	Breckenridge	G	DC03794			Y
Gold Edge	58	Breckenridge	Boreas Pass	K, G	DC03461			
Gold Flake	76	Breckenridge	Boreas Pass	G	DC05168			
Golden Beaver	3	Monte Cristo	Breckenridge	H, O	DC03802			
Golden Crest	64	Kokomo-Tenmile	Copper Mtn.	J, P, H	DC03965	DC03974		Y
Good Hope	33	Kokomo-Tenmile	Copper Mtn.	J, P				
Governor	11	Blue River	Breckenridge	H, O	D000463	DC03979		Y
Grand Union (Silver Bowl)	57	Kokomo-Tenmile	Copper Mtn.	J, P, B	DC04054			
Grand View	71	Kokomo-Tenmile	Copper Mtn.	B, P				
Greenhorn	16	Kokomo-Tenmile	Copper Mtn.	J, P	DC03551			
Groundhog	14	Breckenridge	Breckenridge	H, G, O				
Half Moon	54	Kokomo-Tenmile	Copper Mtn.	J				
Hamilton	3	Breckenridge	Keystone	C, G	DC05214			
Harrison	33	Montezuma	Montezuma	C, L, (F)	DC05625			
Helen (old workings)	37	Breckenridge	Breckenridge	G, O	DC05165			
Helen (Penn Tunnel)	38	Breckenridge	Breckenridge	G, O	DC05165			
Herman	61	Montezuma	Keystone	C, R	DC05800			
Hunkidori	6	Keystone	Keystone	R, E, C	DC05619			
Hunter Boy	3	E. Blue River	Breckenridge	O, H	DC03964			
I.X.L.	1	Breckenridge	Keystone	C, G	DC05210			I
Ida Belle	8	Keystone	Keystone	R, C, E	DC05620			
Index	68	Kokomo-Tenmile	Copper Mtn.	J, P				
Iowa	52	Montezuma	Montezuma	C, L	DC05634			
Iron Mask	17	Breckenridge	Breckenridge	O, H, G	DC05171			Y
Iron Mask	7	Kokomo-Tenmile	Copper Mtn.	B, P				
Jayhawker	77	Kokomo-Tenmile	Copper Mtn.	B				
Jerry	31	Montezuma	Montezuma	C, L				
Jessie Mine and Tunnel	4	Breckenridge	Frisco	G, Q	DC05212			Y
Jessie-Glenwood Tunnel	5	Breckenridge	Frisco	G, Q	DC05212			Y
Jessie-Hattie Tunnel	6	Breckenridge	Frisco	G	DC05212			Y
Jessie-Quincy Tunnel	7	Breckenridge	Frisco	G	DC05212			Y
Joe Glidden	70	Breckenridge	Boreas Pass	G				
Johannesburg Tunnel	24	Breckenridge	Breckenridge	G, O	DC05164			
Jones	20	Kokomo-Tenmile	Copper Mtn.	J, P				

Table 1: Alphabetic List of Mines
(Continued)

Mine	No.	Area	Quadrangle	References	MRDs No. 1	MRDs No. 2	MRDs No. 3	USBM
Jumbo	10	Breckenridge	Frisco	G	DC05217			Y
Jumbo	21	Peru Creek	Montezuma	L, C, F, E	DC05615			Y
Juniata	42	Breckenridge	Breckenridge	G	DC03794			Y
Juniata	52	Kokomo-Tenmile	Copper Mtn.	J				
Juventa (McLeod Tunnel)	68	Breckenridge	Boreas Pass	G	DC05167			
Juventa (shaft)	69	Breckenridge	Boreas Pass	G	DC05167			
Kellogg	20	Breckenridge	Breckenridge	G, O				
Key West	73	Breckenridge	Boreas Pass	G	DC05168			
King David	78	Kokomo-Tenmile	Copper Mtn.	B, P				
Lalla Rookn	75	Kokomo-Tenmile	Copper Mtn.	J				
Lancaster	5	Montezuma	Montezuma	C (text), L				
Last Dollar	7	Blue River	Breckenridge	H, O	DC03973			
Laurium	52	Breckenridge	Breckenridge	G, O, H	DC03959			Y
Lenawee	4	Keystone	Keystone	F				
Lightburn Tunnel	8	Breckenridge	Frisco	G				
Lillie G. (north)	3	Kokomo-Tenmile	Copper Mtn.	J, P				
Lillie G. (south)	4	Kokomo-Tenmile	Copper Mtn.	J, P				
Ling	4	Monte Cristo	Breckenridge	H, O	D000466	DC03801	DC03802	Y
Little Artist	24	Kokomo-Tenmile	Copper Mtn.	J, P				
Little Chicago	43	Kokomo-Tenmile	Copper Mtn.	B, P				
Little Corporal	11	Breckenridge	Frisco	G, Q				
Little Dwarf	10	Blue River	Breckenridge	H				
Little Fool	8	Blue River	Breckenridge	H, O	DC03972			
Little Rex	6	Kokomo-Tenmile	Copper Mtn.	B, P				
Little Sallie Barber	63	Breckenridge	Boreas Pass	G	DC05165			I
Littler Tunnel	60	Kokomo-Tenmile	Copper Mtn.	J, P	DC03804			
Lucky Baldwin	20	Montezuma	Montezuma	C, L, F	DC05632			
Lucky Strike	42	Kokomo-Tenmile	Copper Mtn.	A, B	DC03559			I
Lucky (lower tunnel)	66	Breckenridge	Boreas Pass	G	DC05165			
Lucky (old shaft)	67	Breckenridge	Boreas Pass	G, K	DC05165			
Mackey	35	Kokomo-Tenmile	Copper Mtn.	J, P				
Maid of Orleans	22	Peru Creek	Montezuma	L, C, E	DC05615			
Manilla Tunnel	3	Montezuma	Montezuma	F				
Mark Twain	66	Montezuma	Keystone	E, C	DC05625			
Marlin (Roberta)	68	Montezuma	Keystone	R, E, C	DC05622			
Maximus	1	Monte Cristo	Copper Mtn.	H, P	DC03976			
Mayflower	12	Kokomo-Tenmile	Copper Mtn.	J, P				
Michigan	39	Kokomo-Tenmile	Copper Mtn.	J, P	DC03555	D002912	DC03556	
Minnie (lower tunnel)	35	Breckenridge	Breckenridge	G, O	DC05165			
Minnie (upper tunnel)	34	Breckenridge	Breckenridge	G	DC05165			
Mohawk	53	Montezuma	Montezuma	L, C, E	DC05634			Y
Mono	28	Breckenridge	Breckenridge	G, O				
Montaque	56	Montezuma	Montezuma	E, F				
Monte Cristo	11	Monte Cristo	Breckenridge	H, O				
More Cash	24	Montezuma	Montezuma	L				
More Work	67	Montezuma	Keystone	C	DC05622			

Table 1: Alphabetic List of Mines
(Continued)

Mine	No.	Area	Quadrangle	References	MRDs No. 1	MRDs No. 2	MRDs No. 3	USBM
Morgan	6	Montezuma	Montezuma	L, C, E, F	DC05194	DC05621		
Morning Star	19	Kokomo-Tenmile	Copper Mtn.	B, P				
Mountain Chief No. 6	59	Kokomo-Tenmile	Copper Mtn.	J, P	DC03808			
Mountain Lion	10	Kokomo-Tenmile	Copper Mtn.	B, P	DC03551			
Mountain Pride	55	Breckenridge	Boreas Pass	H, G	DC03959			Y
Mozart	25	Montezuma	Montezuma	L, C, E, F	DC05627			
National Treasury	6	Peru Creek	Montezuma	L, E				
Navy	5	Monte Cristo	Breckenridge	H, O	DC03803	DC04055	DC05175	
Nebraska	79	Breckenridge	Boreas Pass	G	DC03459			
Nettie B.	37	Kokomo-Tenmile	Copper Mtn.	J, P				
New York	23	Breckenridge	Breckenridge	G, O	D002829	DC05163		
New York	28	Montezuma	Montezuma	L, C, F	DC05625			
New York (Champion)	49	Kokomo-Tenmile	Copper Mtn.	J, B				I
Noma	2	Kokomo-Tenmile	Copper Mtn.	J, P				
Noonday Sun	5	Blue River	Breckenridge	H, O	DC03973			
Norway Lode	4	Blue River	Breckenridge	S, O, H	D003069	DC03971		
Nova Scotia Boy	63	Kokomo-Tenmile	Copper Mtn.	J, P				
Old Settler	30	Montezuma	Montezuma	C	DC05618			
Old Timer	37	Montezuma	Montezuma	F, L, C	DC05625			
Old Union (shafts)	26	Breckenridge	Breckenridge	G				
Old Union (tunnel)	25	Breckenridge	Breckenridge	G				
Ontario	72	Breckenridge	Boreas Pass	G	DC05168			
Ouray	50	Breckenridge	Breckenridge	G, O	DC03794			Y
Pacific	14	Monte Cristo	Alma	H	DC03805			
Palmetto	13	Monte Cristo	Alma	H	DC03805			
Parker	61	Kokomo-Tenmile	Copper Mtn.	J, P				
Pauline	70	Kokomo-Tenmile	Copper Mtn.	B				
Paymaster	4	Peru Creek	Montezuma	L, C	DC05607			Y
Payrock	62	Kokomo-Tenmile	Copper Mtn.	J, P				
Payroll	56	Kokomo-Tenmile	Copper Mtn.	J				
Pennsylvania	13	Peru Creek	Montezuma	L, C	DC05609			Y
Peruvian	7	Peru Creek	Montezuma	L, C, E	DC05607			Y
Pilot	3	Keystone	Keystone	C, E	DC05614			
Pittsburg Tunnel	11	Peru Creek	Montezuma	F, E				
Potosi	64	Montezuma	Keystone	E				
Puzzle Extension Shaft	48	Breckenridge	Breckenridge	G, O	DC03794			Y
Puzzle	49	Breckenridge	Breckenridge	G, O	DC03794			Y
Quail	31	Kokomo-Tenmile	Copper Mtn.	J, P, B	DC03555			I
Quail	10	Montezuma	Montezuma	L, C, E, F	DC05627			
Queen	44	Montezuma	Montezuma	F				
Queen of the West	13	Kokomo-Tenmile	Copper Mtn.	P, J, B	D000462	DC03551	DC03552	Y
Queen of the West	3	Peru Creek	Montezuma	C, L	DC05605			
Radical (lower)	49	Montezuma	Montezuma	L, F, C, E	DC05580			Y
Radical (upper)	48	Montezuma	Montezuma	L, F, C, E	DC05580			Y
Railroad Boy Tunnel	58	Kokomo-Tenmile	Copper Mtn.	B, A				
Rainbow	10	Keystone	Keystone	C	DC05629			

Table 1: Alphabetic List of Mines
(Continued)

Mine	No.	Area	Quadrangle	References	MRDs No. 1	MRDs No. 2	MRDs No. 3	USBM
Rattler	45	Kokomo-Tenmile	Copper Mtn.	J, P				
Raven and Eagle	29	Kokomo-Tenmile	Copper Mtn.	B, P				
Red Cloud	8	Kokomo-Tenmile	Copper Mtn.	B, P				
Red Jacket	55	Montezuma	Montezuma	E, C, F	DC05634			
Revenue	17	Peru Creek	Montezuma	E, C, F	DC05610			
Rexford	1	Swandyke	Keystone	E				
Robinson (Robinson No. 2)	51	Kokomo-Tenmile	Copper Mtn.	J				Y
Rose	9	Montezuma	Montezuma	F				
Rose of Breckenridge	36	Breckenridge	Breckenridge	G, O	DC05165			
Rothschild	12	Peru Creek	Montezuma	E, C	DC05609			Y
Saints John	65	Montezuma	Keystone	R, C, F, E	D002830	DC05626		Y
Sallie Barber	62	Breckenridge	Boreas Pass	K, G				Y
Santa Fe	17	Montezuma	Montezuma	F				
Sarsefield	13	Montezuma	Montezuma	L, C, F	DC05627			
Schoolmarm	2	Keystone	Keystone	E				
Selma	23	Kokomo-Tenmile	Copper Mtn.	B, P				
Senator	8	Monte Cristo	Breckenridge	H	DC03566			Y
Seven-Thirty	53	Breckenridge	Boreas Pass	H, G	DC03961			Y
Shoe Basin	8	Peru Creek	Montezuma	L, C, E	DC05607			I
Shoshone	1	Montezuma	Montezuma	F, E				
Silver Cord	18	Montezuma	Montezuma	C, F, E				
Silver Queen	18	Kokomo-Tenmile	Copper Mtn.	J	DC03551			
Silver Spoon	16	Peru Creek	Montezuma	L				
Silver Wave	19	Montezuma	Montezuma	L, C, F	DC05611			Y
Silver Wing	38	Montezuma	Montezuma	L, F, C	DC05625			I
Slide No. 1	54	Montezuma	Montezuma	E				
Snake River Bog Iron	57	Montezuma	Montezuma	F (p.144), L	DC05189			
Snowbank Group	38	Kokomo-Tenmile	Copper Mtn.	J, P	DC03555			
Solitary and Big Bonanza	2	Blue River	Breckenridge	O, H	DC03968	D002861		
Standard	22	Breckenridge	Breckenridge	G, D				Y
Star of the West	51	Montezuma	Montezuma	L, C, E	DC05634			
Star of the West No. 2	47	Montezuma	Montezuma	C, E	DC05634			
Stormking (Storm King)	5	Kokomo-Tenmile	Copper Mtn.	J, B				
Sultana	13	Breckenridge	Frisco	H, G	DC05218			
Summit County Times	1	Kokomo-Tenmile	Copper Mtn.	B, P				
Superior	42	Montezuma	Montezuma	L, E, C	DC05625			Y
Tenmile Shaft	48	Kokomo-Tenmile	Copper Mtn.	J				
Tiger	40	Montezuma	Montezuma	C, F	DC05625			
Tip Top	8	Montezuma	Montezuma	L, F				
Togo Tunnel	23	Montezuma	Montezuma	F				
Tommy	57	Breckenridge	Boreas Pass	K				
Tony	4	Swandyke	Keystone	R, E				
Treasure Vault	66	Kokomo-Tenmile	Copper Mtn.	B, P				
Truax	32	Breckenridge	Breckenridge	G, O	DC05165			
Twin Sisters	54	Breckenridge	Boreas Pass	H	DC03960			
Undine	34	Kokomo-Tenmile	Copper Mtn.	J, P				

Table 1: Alphabetic List of Mines
(Continued)

Mine	No.	Area	Quadrangle	References	MRDs No. 1	MRDs No. 2	MRDs No. 3	USBM
Vanderbilt	9	Monte Cristo	Breckenridge	H	DC03566			Y
Victory Tunnel	40	Kokomo-Tenmile	Copper Mtn.	A	DC03559			Y
Vidler Tunnel West	5	Peru Creek	Montezuma	C, L	DC05605			
Warriors Mark	1	E. Blue River	Boreas Pass	K, H	DC03962			Y
Washington	47	Breckenridge	Breckenridge	G, O	DC03794			Y
Washington	41	Kokomo-Tenmile	Copper Mtn.	J	DC03559			
Washington	11	Montezuma	Montezuma	C	DC05627			
Washington (old shafts)	41	Breckenridge	Breckenridge	G, O	DC03794			I
Waterloo	29	Montezuma	Montezuma	F				
Waukeegan	16	Montezuma	Montezuma	C	DC05627			
Wellington (Extenuate)	31	Breckenridge	Breckenridge	G	DC05162			I
Wellington (Oro workings)	29	Breckenridge	Breckenridge	G, O	D002771			Y
Wheel of Fortune	36	Kokomo-Tenmile	Copper Mtn.	B, P, A				
White Swan	5	Swandyke	Keystone	C	DC05193			
Wild Irishman	62	Montezuma	Keystone	R, E, C, F	DC05800			
Wilfley	25	Kokomo-Tenmile	Copper Mtn.	P, J	DC03555			Y
Winning Card	2	Peru Creek	Montezuma	E, C	DC05612			
Wintergreen	21	Kokomo-Tenmile	Copper Mtn.	B, P, A				
Wire Patch	71	Breckenridge	Boreas Pass	G				Y
Wombat No. 1	5	Keystone	Keystone	E				

Table 2: Synonyms and Comments

Mine	Synonyms	Comments
Abundance Shaft	part of Wellington	
Abundance Tunnel	part of Wellington	
American Eagle	Eliza Jane	
Arrastre Queen	Rochester Queen	
Bell	Bell, Wing, Meteor, California, Sunburst	
Blind Tom	Old Blind Tom, North Snake River Mine	
Bonny Belle	Bonnie Bell	
Boston		Shaft (ref. B), adits in other references
Breene	Wilfley-Kimberly	
Bullion	Bullion and Yellow Jacket	
Burke-Martin	probably includes the Silver Princess (ref. F)	
Cable	probably includes the Moscow (ref. F)	
Carbonate	Carbonite	
Cashier [Montezuma]	Champion	
Coley (Coaly)	Jerry, Equity, Denver, and Celtic	
Colonel Sellers	Wilfley-Kimberly, Delphose	S (ref B), A and S (ref P), shafts (ref J)
Connors	Wilfley-Kimberly	
Daisy		originally in Summit Co., boundary has changed
East Shaft (New Robinson)	Robinson Consolidated	shown as New Robinson in ref. B
Eldorado	Robinson Consolidated	
Felicia Grace	Robinson Consolidated	
Finding Shaft	Deep Shaft (in ref. H)	
Free America	included with Wilfley-Kimberly	Adit (ref. B), Shaft (ref. J)
Glendale		ref. C shows this mine in Clear Creek County
Gold Edge	Golden Edge	
Golden Crest	Gold Crest	
Grand Union	Sugar Bowl	
Grand View		only shaft is shown
Half Moon		originally in Summit Co., boundary has changed
Helen (Penn Tunnel)	Hellen	
I.X.L.	Royal Tiger	
Jessie Mine and Tunnel	B and B Mines, Inc., Glenwood	
Jessie-Glenwood Tunnel	B and B Mines, Inc., Glenwood	
Jessie-Hattie Tunnel	B and B Mines, Inc., Glenwood	
Jessie-Quincy Tunnel	B and B Mines, Inc., Glenwood	
Johannesburg Tunnel	New York Claims	
Jumbo [Peru Creek]	Little Jumbo (ref. F)	
Juventa (McLeod Tunnel)	McLeod Tunnel	
Juventa (shaft)	Juventa Mine Shaft	
Laurium	Blue Flag, Larium	
Lenawee		USGS field notes (Theodore Botinelly, 1967)
Ling	North Star	
Little Rex		incline (ref B), 2 adits (ref P)
Lucky Strike	Victory-Lucky Strike	
Mark Twain	Mark Twain and St. Elmo	

Table 2: Synonyms and Comments (Continued)

Mine	Synonyms	Comments
Marlin (Roberta)	Roberta	Roberta in most literature
Michigan	Wilfley-Kimberly, Michigan-Uthoff	S (ref B), 2 adits shown, A and S (ref J)
More Cash		USGS field notes (Theodore Botinelly, 1967)
Morgan	Morgen Manganese Prospect	
Mozart	Hannibal	
Navy	Williams, H & M; and Williams, Thomas claims	
New York [Montezuma]	Alladins Lamp	
New York [Breckenridge]	New York Claims (there is a New York Tunnel)	
New York [Kokomo-Tenmile]	Champion	
Noma	includes Reconstruction (ref. B)	
Norway Lode	Norway Lode Manganese Ore	
Old Settler	Old Settler and Waterloo	
Quail [Kokomo-Tenmile]	Wilfley-Kimberly, Aftermath, Badger, Milo, White Quail	
Queen of the West [Kokomo-Ten]	D & G Property, D-G	Shaft in ref. B not shown
Revenue	Revenue and Baltic	deposit in Clear Creek County, shaft in Summit
Robinson (Robinson No.2)	Robinson Consolidated, Eldorado, Wilson, Champion	Robinson No. 2 (ref. B)
Rothschild	Minerou Tunnel	
Saints John	includes Florado Group	
Sarsefield	Sarisfield, Sarsfield	
Schoolmarm	Alhambra or King Mine	
Silver Cord		adit in Clear Creek County, deposit in Summit
Silver Wing	on Bell Vein; may be part of Burke-Martin	
Snake River Bog Iron	Iron King	
Snowbank Group	Wilfley-Kimberly	
Solitary and Big Bonanza	Big Bonanza, Little David	
Standard	Detroit-Hicks, Detroit	
Stormking (Storm King)	Storm King (ref. B), listed as shaft	adits on ref. J
Superior	Silver King in old literature	
Twin Sisters		upper adit is on vein
Victory Tunnel	Victory-Lucky Strike	
Washington [Breckenridge]		includes Oro shaft
Washington [Kokomo-Tenmile]	Victory-Lucky Strike	
Washington [Montezuma]	possibly part of Allen-Emory	
Wellington (Extenuate)	Liberty, Siam, Oro, Mill Tunnel	
Wellington (Oro workings)	Liberty, Siam, Extenuate, Mill Tunnel	
Wilfley	Wilfley-Kimberly, Delphose, Colonal Sellers	includes Aftermath, Badger, White Quail, Milo

Table 3: Latitude and Longitude, Alphabetic by Mine Name

Mine [Area, if duplicate]	Type	North Latitude			West Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Abundance Shaft	S	39	29	15.290	106	0	43.350
Abundance Tunnel	A	39	28	59.190	106	1	4.690
Adder	S	39	34	31.370	105	52	21.530
Alice A Tunnel	A	39	29	33.120	106	1	53.940
Allen-Emory	A	39	34	58.730	105	50	23.080
Allen-Emory	A	39	34	59.400	105	50	26.050
Altoona	S	39	33	43.190	105	53	4.157
American Eagle	A	39	37	20.930	105	52	4.780
Arabella	A	39	32	49.480	105	51	41.050
Arctic	A	39	23	.106	106	5	18.160
Arrastre Queen	A	39	31	59.720	105	54	8.204
Atlantic	A	39	34	26.800	105	50	38.150
Ballarat	A	39	34	31.240	105	51	36.220
Belcher	S	39	25	41.020	106	12	54.050
Bell	A	39	33	52.370	105	52	5.893
Bemrose	S	39	22	11.510	106	3	38.550
Big Giant	S	39	24	43.650	106	12	33.440
Blanche	A	39	33	34.100	105	50	42.330
Blind Tom	A	39	37	.690	105	55	7.043
Blue River	A	39	22	58.990	106	4	44.700
Bolliver Tunnel	A	39	34	57.560	105	51	22.800
Bon Ton	S	39	28	32.700	105	59	45.310
Bondholder	A	39	29	10.030	105	57	29.850
Bonny Belle	X	39	34	56.370	105	50	24.490
Boss [Breckenridge]	A	39	29	19.720	105	57	43.400
Boss [North Rock Creek]	A	39	41	47.340	106	11	44.880
Boston	A	39	24	47.690	106	8	50.460
Boston Cooney	S	39	27	6.231	106	10	21.880
Brain	A	39	26	26.730	106	10	54.700
Breene	A	39	25	43.170	106	11	59.190
Briar Rose	A	39	26	39.340	106	5	49.260
Brittle Silver	A	39	35	40.990	105	49	5.473
Brooks-Snider	A	39	29	22.480	106	3	28.530
Buda	S	39	36	28.640	105	49	45.630
Buena Vista	A	39	34	39.790	105	50	36.100
Bullion	A	39	34	19.180	105	50	52.940
Bullion King	S	39	29	31.670	106	2	6.559
Burke Tunnel	A	39	33	51.850	105	51	38.570
Burke-Martin	A	39	34	20.290	105	51	51.830
Cable	A	39	34	25.410	105	51	59.440
Carbonate	S	39	27	44.720	105	58	55.240
Carrie	A	39	30	52.990	105	54	11.220
Cashier [Breckenridge]	A	39	30	56.230	105	58	23.500
Cashier [Montezuma]	A	39	32	2.774	105	51	15.150
Champlain	A	39	25	13.250	106	9	19.690

Table 3: Latitude and Longitude, Alphabetic by Mine Name
(Continued)

Mine [Area, if duplicate]	Type	North Latitude			West Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Charlie Ross	A	39	24	5.191	106	6	48.900
Charlie Ross	A	39	24	9.355	106	6	45.590
Chatauqua (lower)	A	39	33	11.490	105	52	7.877
Chatauqua (upper)	A	39	33	28.410	105	52	.287
Chicago Boy	A	39	25	1.037	106	10	2.787
Cincinnati	S	39	29	13.220	105	59	57.020
Clara	A	39	26	14.360	106	10	46.620
Claude	A	39	25	13.000	106	10	2.434
Climax	A	39	33	39.720	105	50	24.400
Coley (Coaly)	X	39	34	10.900	105	52	19.800
Colonel Sellers	A	39	25	39.170	106	12	12.370
Colonel Sellers	S	39	25	46.060	106	12	17.630
Colorado & Toledo Tunnel	A	39	35	13.020	105	51	55.890
Columbine [Kokomo-Tenmile]	S	39	24	5.616	106	12	27.670
Columbine [Breckenridge]	A	39	27	42.840	105	57	45.120
Congress	A	39	36	21.700	105	48	49.330
Connors	A	39	25	30.750	106	12	21.740
Copenhagen	A	39	35	18.860	105	55	8.250
Copenhagen	A	39	35	18.930	105	55	14.200
Corporal	A	39	27	59.430	105	59	15.990
Country Boy (lower)	A	39	28	50.010	106	0	49.840
Country Boy (upper)	A	39	28	42.900	106	0	41.690
Daisy	S	39	23	53.340	106	12	30.560
Delaware [Kokomo-Tenmile]	A	39	25	40.840	106	11	41.340
Delaware [Peru Creek]	S	39	35	31.460	105	48	37.970
Delmonico	A	39	26	8.796	106	10	58.530
Denver	S	39	25	2.066	106	9	58.060
Denver City & Little Annie	S	39	23	46.090	106	7	40.440
Denver City & Little Annie	S	39	23	47.840	106	7	43.030
Derilla No.1	A	39	23	16.210	106	2	21.880
Derilla No.2	A	39	23	25.290	106	2	31.750
Diamond Jack	A	39	23	53.820	106	5	3.067
Don Pedro	A	39	35	4.591	105	53	49.510
Dunkin (lowest tunnel)	A	39	28	16.040	106	1	31.080
Dunkin (railroad tunnel)	A	39	28	19.230	106	1	27.560
Dunkin (shaft)	S	39	28	28.430	106	1	15.470
East Shaft	S	39	24	36.710	106	12	2.883
Eden Treasure	S	39	25	42.060	106	9	50.650
El Dorado	A	39	22	51.720	106	4	8.775
Eldorado	S	39	24	40.980	106	11	51.720
Ella	S	39	29	24.360	106	0	10.890
Enterprise	S	39	26	18.230	106	11	21.820
Equity	A	39	34	34.170	105	52	12.360
Erickson	A	39	33	21.660	105	54	50.400
Erie	A	39	32	32.040	105	52	48.800
Eureka Shaft	S	39	29	44.880	106	1	52.540

Table 3: Latitude and Longitude, Alphabetic by Mine Name
(Continued)

Mine [Area, if duplicate]	Type	North Latitude			West Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Extension	S	39	30	12.700	106	1	23.580
Fair	A	39	29	18.270	105	57	28.410
Felicia Grace	S	39	24	30.800	106	12	1.667
Finding Shaft	S	39	29	25.220	106	3	12.360
Fisherman	A	39	35	25.040	105	52	13.950
Fountain	S	39	29	9.641	105	57	22.380
Fox Lake	A	39	30	8.694	106	2	46.530
Fredonia	A	39	24	19.250	106	1	36.490
Fredonia	A	39	24	21.040	106	1	36.610
Fredonia	A	39	24	22.130	106	1	38.100
Free America	S	39	26	7.467	106	11	48.070
French Creek Tunnel	A	39	28	55.260	105	59	34.740
Gagen	A	39	25	21.130	106	10	27.760
General Teller	S	39	33	19.940	105	52	53.730
Germania	A	39	28	2.733	106	2	4.979
Gilt Edge	A	39	34	27.790	105	51	33.390
Glendale	A	39	34	45.330	105	50	.907
Glenn-Mohawk	A	39	25	21.820	106	5	28.430
Glenn-Mohawk	A	39	25	23.950	106	5	28.150
Gold Bell	A	39	28	3.422	105	59	20.490
Gold Dust	A	39	28	13.160	106	1	20.910
Gold Edge	S	39	27	55.200	105	59	12.160
Gold Flake	A	39	29	15.920	105	57	34.670
Golden Beaver	S	39	23	23.160	106	6	38.130
Golden Crest	A	39	24	45.330	106	7	57.630
Golden Crest	A	39	24	48.640	106	7	45.020
Good Hope	S	39	25	38.720	106	12	56.790
Governor	A	39	23	42.530	106	3	7.477
Grand Union (Silver Bowl)	A	39	22	56.050	106	12	18.040
Grand View	S	39	25	10.010	106	9	45.190
Greenhorn	A	39	26	12.710	106	11	6.004
Groundhog	S	39	29	26.000	106	3	33.730
Half Moon	S	39	24	3.336	106	12	30.840
Hamilton	S	39	30	52.960	105	59	27.180
Harrison	S	39	34	31.980	105	52	24.440
Helen (old workings)	A	39	28	52.230	106	0	14.060
Helen (Penn Tunnel)	A	39	28	53.060	106	0	25.870
Herman	A	39	33	35.850	105	52	56.270
Hunkidori	A	39	35	10.270	105	53	49.600
Hunter Boy	A	39	23	23.670	106	2	8.440
I.X.L.	A	39	31	10.590	105	57	56.310
Ida Belle	A	39	35	27.680	105	55	10.500
Ida Belle	A	39	35	28.400	105	55	6.955
Index	A	39	25	17.640	106	9	25.650
Iowa	S	39	32	57.160	105	51	26.040
Iron Mask [Kokomo-Tenmile]	A	39	26	57.060	106	9	32.450

Table 3: Latitude and Longitude, Alphabetic by Mine Name
(Continued)

Mine [Area, if duplicate]	Type	North Latitude			West Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Iron Mask [Breckenridge]	A	39	29	36.160	106	2	58.150
Jayhawker	S	39	25	26.170	106	10	52.380
Jerry	A	39	34	39.690	105	52	6.766
Jessie-Glenwood Tunnel	A	39	30	43.220	106	1	6.173
Jessie-Hattie Tunnel	A	39	30	43.200	106	1	13.740
Jessie-Quincy Tunnel	A	39	30	39.900	106	1	9.108
Jessie Mine and Tunnel	A	39	30	42.940	106	1	2.577
Joe Glidden	A	39	29	47.010	105	58	16.010
Johannesburg Tunnel	A	39	29	10.570	106	1	34.480
Jones	A	39	25	51.660	106	11	13.390
Jumbo [Breckenridge]	S	39	30	9.215	106	1	38.140
Jumbo [Peru Creek]	A	39	35	52.920	105	51	10.090
Juniata	S	39	28	30.190	106	1	9.220
Juniata	S	39	24	7.412	106	12	21.290
Juventa (McLeod Tunnel)	A	39	29	14.530	105	58	45.670
Juventa (shaft)	S	39	29	24.600	105	58	43.300
Kellogg	A	39	29	41.940	106	1	56.970
Key West	A	39	29	18.500	105	57	47.740
King David	S	39	25	10.750	106	10	57.540
Lalla Rookn	A	39	25	13.820	106	10	12.190
Lancaster	A	39	35	8.819	105	51	23.580
Last Dollar	A	39	24	14.810	106	4	59.910
Laurium	A	39	27	43.690	106	0	9.003
Lenawee	A	39	36	11.950	105	52	50.980
Lightburn Tunnel	A	39	30	6.690	106	0	43.470
Lillie G. (north)	S	39	28	7.557	106	9	25.220
Lillie G. (south)	S	39	27	49.930	106	9	28.040
Ling	A	39	22	43.420	106	6	9.495
Ling	A	39	22	45.350	106	6	10.300
Little Artist	A	39	26	23.390	106	11	55.950
Little Chicago	A	39	25	4.517	106	12	1.681
Little Corporal	A	39	30	9.949	106	1	53.930
Little Corporal	S	39	30	11.480	106	1	50.530
Little Corporal	A	39	30	14.940	106	1	53.570
Little Dwarf	A	39	23	44.290	106	4	14.470
Little Fool	A	39	24	19.110	106	4	24.380
Little Rex	A	39	27	12.050	106	9	37.120
Little Rex	A	39	27	13.430	106	9	36.860
Little Sallie Barber	S	39	28	44.560	105	59	41.990
Littler Tunnel	A	39	23	23.900	106	8	45.880
Lucky (lower tunnel)	A	39	29	10.290	105	59	45.930
Lucky (old shaft)	S	39	29	29.940	105	59	46.970
Lucky Baldwin	A	39	33	50.000	105	50	12.190
Lucky Strike	A	39	25	1.900	106	11	35.570
Mackey	S	39	25	32.110	106	13	4.991
Maid of Orleans	A	39	36	2.312	105	51	7.819

Table 3: Latitude and Longitude, Alphabetic by Mine Name
(Continued)

Mine [Area, if duplicate]	Type	North Latitude			West Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Manilla Tunnel	A	39	35	14.720	105	51	55.760
Mark Twain	A	39	34	12.670	105	52	33.360
Marlin (Roberta)	A	39	34	41.190	105	52	39.680
Maximus	A	39	23	52.510	106	8	.248
Mayflower	A	39	26	23.750	106	11	.943
Michigan	A	39	25	15.010	106	11	34.630
Michigan	A	39	25	16.100	106	11	42.420
Minnie (lower tunnel)	A	39	29	16.460	106	0	5.379
Minnie (upper tunnel)	A	39	29	23.840	106	0	2.425
Mohawk	A	39	32	59.020	105	51	26.780
Mono	A	39	29	4.264	106	0	55.600
Montaque	A	39	32	42.600	105	51	4.557
Monte Cristo	S	39	23	13.170	106	4	5.954
More Cash	A	39	33	38.950	105	51	3.058
More Work	A	39	34	18.210	105	52	36.890
Morgan	A	39	34	59.800	105	51	29.230
Morning Star	S	39	26	3.364	106	11	9.219
Mountain Chief No. 6	A	39	22	51.270	106	10	3.528
Mountain Lion	A	39	26	36.060	106	10	52.350
Mountain Pride	S	39	27	22.210	105	59	44.340
Mozart	A	39	34	5.272	105	51	12.970
National Treasury	S	39	37	8.689	105	47	43.650
Navy	A	39	22	57.260	106	5	33.570
Nebraska	A	39	28	28.170	105	57	53.160
Nettie B.	S	39	25	18.360	106	12	7.567
New York [Breckenridge]	A	39	29	13.550	106	1	40.050
New York [Montezuma]	A	39	34	43.660	105	51	51.740
New York (Champion)	S	39	24	31.090	106	11	53.740
Noma	A	39	27	56.180	106	8	38.140
Noonday Sun	A	39	24	34.190	106	5	34.810
Norway Lode	A	39	24	56.990	106	5	7.403
Nova Scotia Boy	A	39	24	17.640	106	8	12.560
Old Settler	A	39	34	52.000	105	51	55.030
Old Timer	A	39	34	20.580	105	51	46.620
Old Union (tunnel)	A	39	28	57.330	106	1	19.070
Old Union (shafts)	S	39	29	3.837	106	1	4.195
Ontario	S	39	29	14.820	105	57	53.290
Ouray	S	39	28	.278	106	1	37.650
Pacific	A	39	22	15.290	106	5	1.184
Palmetto	A	39	22	10.390	106	4	56.220
Parker	A	39	24	19.220	106	9	8.743
Pauline	S	39	25	29.650	106	9	52.640
Paymaster	A	39	37	20.060	105	47	56.100
Payrock	A	39	24	22.970	106	8	26.900
Payroll	S	39	23	9.540	106	12	12.620
Pennsylvania	A	39	35	51.550	105	48	40.520

Table 3: Latitude and Longitude, Alphabetic by Mine Name
(Continued)

Mine [Area, if duplicate]	Type	North Latitude			West Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Pennsylvania	A	39	36	2.915	105	48	35.220
Peruvian	A	39	36	56.810	105	47	57.080
Pilot	A	39	36	14.080	105	55	30.490
Pittsburg Tunnel	A	39	36	19.750	105	49	18.840
Potosi	X	39	34	1.642	105	52	53.480
Puzzle	A	39	28	7.037	106	1	42.030
Puzzle Extension Shaft	S	39	28	8.262	106	1	25.330
Quail [Kokomo-Tenmile]	S	39	25	46.580	106	12	33.610
Quail [Montezuma]	A	39	34	48.280	105	50	41.070
Queen	A	39	33	45.330	105	51	39.360
Queen of the West [Kokomo-Ten]	A	39	26	18.290	106	11	2.835
Queen of the West [Peru Creek]	A	39	37	26.600	105	47	25.960
Radical (lower)	A	39	32	41.870	105	51	59.640
Radical (upper)	S	39	32	39.710	105	51	55.740
Railroad Boy Tunnel	A	39	23	11.670	106	10	42.730
Rainbow	A	39	34	45.800	105	57	42.760
Rattler	S	39	24	44.010	106	12	47.820
Raven and Eagle	A	39	25	39.900	106	12	19.040
Red Cloud	A	39	26	56.850	106	9	54.660
Red Jacket	A	39	33	1.821	105	50	54.660
Revenue	S	39	34	57.320	105	48	46.950
Rexford	A	39	32	1.387	105	53	57.770
Robinson	S	39	24	18.230	106	12	15.190
Robinson	A	39	24	25.840	106	12	5.314
Rose	A	39	35	6.853	105	50	59.860
Rose of Breckenridge	S	39	29	10.480	106	0	12.950
Rothschild	A	39	36	11.670	105	49	8.361
Saints John	A	39	34	12.430	105	52	39.900
Sallie Barber	S	39	28	42.970	105	59	45.860
Santa Fe	A	39	34	5.841	105	50	19.350
Sarsefield	A	39	34	33.640	105	50	26.040
Schoolmarm	A	39	36	35.140	105	55	37.300
Selma	S	39	26	14.210	106	11	51.470
Senator	A	39	22	47.790	106	4	29.910
Seven-Thirty	A	39	25	50.580	105	58	21.230
Seven-Thirty	A	39	25	54.560	105	58	15.040
Shoe Basin	A	39	36	34.910	105	47	57.010
Shoshone	A	39	35	38.410	105	52	28.760
Silver Cord	A	39	34	5.734	105	50	2.859
Silver Queen	A	39	26	9.521	106	11	19.300
Silver Spoon	A	39	35	11.700	105	48	53.220
Silver Wave	A	39	33	56.040	105	50	8.485
Silver Wing	A	39	34	19.990	105	51	46.700
Slide No. 1	X	39	33	3.929	105	51	25.680
Snake River Bog Iron	X	39	32	8.468	105	50	29.430
Snowbank Group	S	39	25	19.740	106	11	57.510

Table 3: Latitude and Longitude, Alphabetic by Mine Name
(Continued)

Mine [Area, if duplicate]	Type	North Latitude			West Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Snowbank Group	S	39	25	21.240	106	11	57.380
Snowbank Group	S	39	25	24.160	106	11	54.940
Solitary and Big Bonanza	S	39	26	2.021	106	6	25.710
Standard	S	39	29	44.380	106	1	34.080
Star of the West	A	39	32	50.170	105	51	35.280
Star of the West No. 2	A	39	32	58.590	105	51	49.650
Stormking	A	39	27	43.040	106	9	33.380
Sultana	A	39	30	1.390	106	2	44.140
Summit County Times	A	39	28	7.161	106	8	28.100
Superior	A	39	33	56.690	105	51	43.830
Tenmile Shaft	S	39	24	31.840	106	11	48.130
Tiger	A	39	33	59.300	105	52	28.410
Tip Top	A	39	35	11.930	105	51	5.656
Togo Tunnel	A	39	33	37.780	105	50	47.000
Tommy	S	39	27	49.320	105	59	14.490
Tony	A	39	30	10.570	105	54	41.430
Treasure Vault	S	39	25	34.660	106	8	48.790
Truax	A	39	29	17.000	106	0	24.260
Twin Sisters	A	39	27	1.298	105	59	27.510
Twin Sisters	A	39	27	2.388	105	59	28.320
Undine	S	39	25	33.980	106	13	3.758
Vanderbilt	A	39	22	44.710	106	4	19.290
Victory Tunnel	A	39	25	3.790	106	11	28.270
Vidler Tunnel West	A	39	37	14.150	105	47	28.250
Warriors Mark	S	39	25	2.171	105	59	5.213
Washington [Kokomo-Tenmile]	S	39	25	5.632	106	11	35.570
Washington [Breckenridge]	A	39	28	4.163	106	1	15.180
Washington [Montezuma]	A	39	34	46.470	105	50	30.860
Washington (old shafts)	S	39	28	15.310	106	0	56.810
Waterloo	A	39	34	48.840	105	51	54.270
Waukeegan	A	39	33	59.850	105	50	34.270
Wellington (Extenuate)	A	39	29	8.622	106	0	32.290
Wellington (Oro workings)	A	39	29	1.878	106	0	47.760
Wheel of Fortune	A	39	25	.659	106	12	46.780
White Swan	A	39	30	21.910	105	52	38.870
Wild Irishman	A	39	33	36.630	105	53	10.500
Wilfley	A	39	26	1.752	106	11	51.570
Winning Card	A	39	37	22.470	105	51	48.800
Wintergreen	A	39	25	53.770	106	11	34.760
Wire Patch	A	39	29	4.305	105	58	4.202
Wombat No. 1	A	39	36	10.300	105	53	10.010