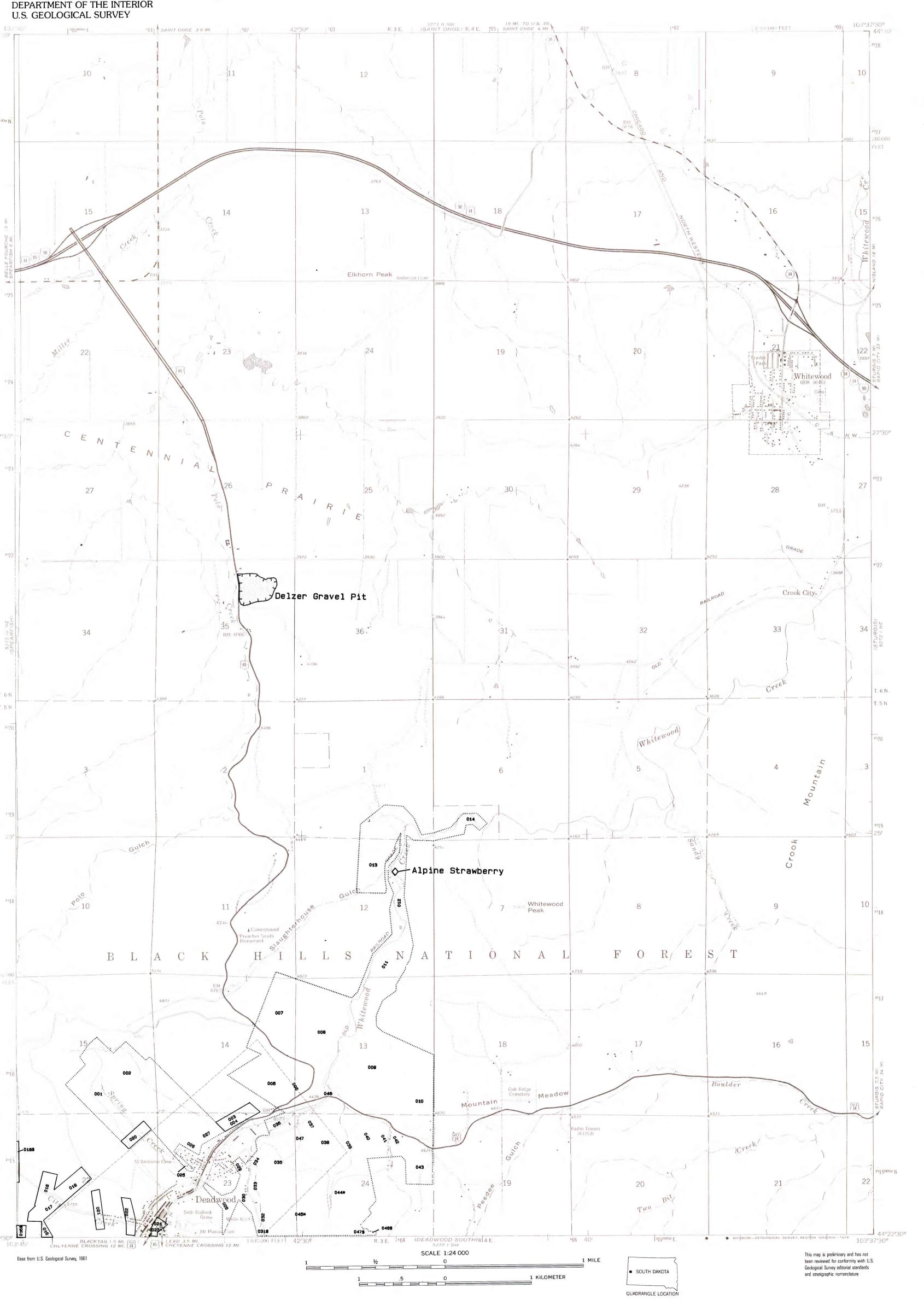
Sec. 35 T6N R3E

Location



MF-Series Maps MF-1978-D 87-261-C MF-1978-G 87-261-E MF-1978-H MF-1978-I 87-261-F Deerfield Rochford Silver City Dam 87-261-G MF-1978-J MF-1978-K 87-261-H f Hill City Rushmore F-1978-I MF-1978-H MF-1978-N 1F-1978-F Hot Springs

INDEX MAP SHOWING MINES AND PROSPECT MAPS (MF-SERIES MAPS AND OPEN-FILE REPORTS) IN THE BLACK HILLS REGION

#### EXPLANATION

Mine--Approximate location shown. Open pit, shaft, adit, or other type of opening Patented claim -- See alphabetic and numeric lists part of claim extends into adjacent quadrangle: Dollar sign (\$) indicates most of claim in adjacent quadrangle. Boundaries

between claims not shown Lode claim--Orientation of number parallel to long axis of claim

Placer claim -- Number approximately in center of

# INTRODUCTION

This map is one in a set of 26 maps (see index map) at 1:24,000 scale of the Black Hills region of South Dakota and Wyoming on which are shown a geologic classification of mines, a bibliography of mineral deposits, and locations of active and inactive mines, prospects, and patented mining claims. Some of these maps have been published as U.S. Geological Survey Miscellaneous Field Studies Maps (MFseries) and some as U.S. Geological Survey Open-File Reports (OF-series); see index map. An earlier unpublished version of this set of maps was the data base from which plate 4 (scale 1:250,000) of DeWitt and others (1986) was compiled. Subsequent to that publication the set has been revised and updated and prospects and patented claims have been added. These revised and more detailed 1:24,000-scale maps should be used for the equivalent areas of plate 4 of DeWitt and others (1986). J. J. Norton, J. A. Redden, J. P. Gries, and W. L. Roberts reviewed the set of maps. Rob Yambrick helped

# SOURCES OF INFORMATION

digitize much of the information.

Outlines of patented mining claims were obtained from 1:24,000-scale Forest Service Status Plats, available for inspection at the U.S. Forest Service, Rocky Mountains Region, 11,117 West 8th Avenue, Denver, CO 80225. Names of most patented claims were obtained from Wilhelm and others (1978). Other names were obtained from the Lawrence County Courthouse, Deadwood, South Dakota. Claims have been located as accurately as possible, but this map is not to be used for legal nor precise locations of mining claims. Locations of mines and prospects were compiled from all available published and unpublished data. The locations of active and inactive mines in this quadrangle were taken from Connolly (1933), Connolly and O'Harra (1929), O'Harra (1902), U.S. Bureau of Mines (1954, 1986), U.S. Geological Survey (1986), and Zeitner (1977). Also, in some instances. different sources of information gave conflicting location information for mines with the same name. Where possible, this conflict was resolved by comparing the name of the mine to adjacent patented claims, by comparing the description of the deposit to the known geology and topography of the area, or by communication with past owners of the property. In some instances, a unique location was not possible with existing information; in that event the most logical location was chosen. The location of some or many mines on this map may differ from those in present data bases such as the U.S. Bureau of Mines Mineral Inventory Location System (MILS) or the U.S. Geological Survey Mineral Resources Data System (MRDS), formerly the Computerized Resources Information Bank (CRIB). There are no prospect pits located in this quadrangle. Geologic data for the map are from Bayley (1972), Beck

(1976), Boyd (1975), Connolly (1927), Darton (1909), Darton and Paige (1925), DeWitt and others (1986), Hadji-Sabbagh (1979), Hosted and Wright (1923), Hughes (1924), Irving (1899), Irving, Emmons, and Jaggar (1904), Jaggar (1901, 1904), Kleinkopf and Redden (1975), Lisenbee (1981), Noble and Harder (1948), Paige (1924), and Tourtelot, Gantier, and

# PRECISION OF LOCATION INFORMATION

All mine symbols except the unfilled diamond ( $\diamondsuit$ ) indicate that the location of the deposit is known within a 200-foot radius. The type of opening at a mine (adit, shaft, open pit, trench, and others) is designated by one of ten different symbols. The unfilled diamond symbol indicates that the location is known only to within a 1/4 mile radius, and that the type of mine opening is unknown.

Mines and prospects whose locations could not be verified to within less than a 1/4 mile radius were not

### PATENTED CLAIM AND MINE LISTS

Patented mining claims are listed both numerically and alphabetically. Mines are listed alphabetically. For ease in locating the claim or mine on the map, the legal description (section, township, range) is given. Each patented claim on the map is represented by a number keyed to the numeric and alphabetic listings. Where possible, the claim numbers are plotted approximately in the center of the claim and parallel to its long axis. Boundaries between adjacent claims are not shown. An asterisk (\*) following a claim number indicates that most of the claim is in this quadrangle, but it extends into the adjacent quadrangle. A dollar sign (\$) following a claim number indicates that most of the claim is in the adjacent quadrangle, but part of it is in this quadrangle. Claims outlined with a solid line are patented lode claims; claims outlined with a dotted line are patented placer claims. Many placer workings on unpatented claims have not been plotted on the maps, principally because the workings lacked a name. On the map, the most common or most used name of a mine is normally next to its mine symbol. If there is space, any alternate names or synonyms are in parentheses following the most common name. On some maps, where space does not permit showing the first name or any alternate names, the names are shown by a single letter, two letters, or an abbreviation of the name; the mines are keyed to that letter or abbreviation in the alphabetic and numeric lists. Mines with more than one name have the alternate name(s) or synonym(s) shown in parentheses in the alphabetic lists. The first alternate name or synonym is also alphabetized in the alphabetic list of mines; second or third alternate names may not be alphabetized. Uncertain alternate names are not alphabetized and are followed by a query (?).

### CLASSIFICATION OF MINES AND DEPOSITS

Mines and deposits are categorized according to geologic criteria of age, environment of formation, and contained metals, as in DeWitt and others (1986, p. 52-53). Deposit-type letter designations (Q, and so on) corresponding to those in DeWitt and others (1986) for deposit types are used in the alphabetic list of mines. The criteria used for the deposit types are briefly summarized below and are explained more fully in DeWitt and others (1986).

#### PRINCIPAL TYPES OF DEPOSITS

Q--Tertiary and Recent placers are bedded sedimentary deposits of gold and cassiterite formed in a terrestrial environment by rivers and streams transporting and concentrating heavy minerals in stream channels.

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Alphabetic list of mines

Claim

number

[Deposit-type letter designations are explained in the text] Location Deposit Type Mine Sec. 12 T5N R3E Alpine Strawberry

Delzer Gravel Pit

Alphabetic list of patented claims

[Asterisk (\*) indicates that part of claim extends into adjacent quadrangle; dollar sign (\$) indicates that most of claim is in the adjacent quadrangle]

018\$         Alderton No.1         Sec. 22         T5N R3E           023         Arnold Placer         Sec. 23         T5N R3E           003         Bavarian         Sec. 23         T5N R3E           030         Blarney Stone         Sec. 23         T5N R3E           028         C. W. Kauffman Placer         Sec. 23         T5N R3E           005         Carpenter Placer         Sec. 14         T5N R3E           013         Cattaraugus Placer         Sec. 12         T5N R3E           015         Central City         Sec. 22         T5N R3E           007         Cimbria Placer         Sec. 14         T5N R3E           010         Coe Placer         Sec. 14         T5N R3E           032         Columbia Placer         Sec. 23         T5N R3E           045*         Dale Placer         Sec. 24         T5N R3E           045*         Dale Placer         Sec. 24         T5N R3E           038         Deadwood and Delaware Placer         Sec. 24         T5N R3E           036         Eklo Placer         Sec. 24         T5N R3E           036         Eklo Placer         Sec. 23         T5N R3E           036         Eklo Placer         Sec. 23	
023         Arnold Placer         Sec. 23 T5N R3E           003         Bavarian         Sec. 23 T5N R3E           030         Blarney Stone         Sec. 23 T5N R3E           028         C. W. Kauffman Placer         Sec. 23 T5N R3E           005         Carpenter Placer         Sec. 14 T5N R3E           013         Cattaraugus Placer         Sec. 12 T5N R3E           015         Central City         Sec. 22 T5N R3E           007         Cimbria Placer         Sec. 14 T5N R3E           010         Coe Placer         Sec. 14 T5N R3E           032         Columbia Placer         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 24 T5N R3E           038         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 22 T5N R3E           034         Gold Bar Placer         Sec. 23 T5N R3E           022         Harry Livingston	
003         Bavarian         Sec. 23 T5N R3E           016         Bergen Fr.         Sec. 22 T5N R3E           030         Blarney Stone         Sec. 23 T5N R3E           028         C. W. Kauffman Placer         Sec. 14 T5N R3E           005         Carpenter Placer         Sec. 14 T5N R3E           013         Cattaraugus Placer         Sec. 12 T5N R3E           015         Central City         Sec. 22 T5N R3E           007         Cimbria Placer         Sec. 13 T5N R3E           010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 23 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 24 T5N R3E           037         Gold Bar Placer         Sec. 23 T5N R3E           034         Gold Bar Placer         Sec. 22 T5N R3E           034         Gold Bar Placer         Sec. 22 T5N R3E           025         Harry Livingston	
016         Bergen Fr.         Sec. 22 T5N R3E           030         Blarney Stone         Sec. 23 T5N R3E           028         C. W. Kauffman Placer         Sec. 23 T5N R3E           005         Carpenter Placer         Sec. 14 T5N R3E           013         Cattaraugus Placer         Sec. 12 T5N R3E           015         Central City         Sec. 22 T5N R3E           007         Cimbria Placer         Sec. 14 T5N R3E           010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 24 T5N R3E           041         Datson Placer         Sec. 24 T5N R3E           038         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           034         Gold Bar Placer         Sec. 22 T5N R3E           034         Gold Bar Placer         Sec. 22 T5N R3E           035         Herbert No.1         Sec. 22 T5N R3E           036         Herbert No.1         Sec. 22 T5N R3E           037         Hill Plac	
030         Blarney Stone         Sec. 23 T5N R3E           028         C. W. Kauffman Placer         Sec. 23 T5N R3E           005         Carpenter Placer         Sec. 14 T5N R3E           013         Cattaraugus Placer         Sec. 12 T5N R3E           015\$         Central City         Sec. 22 T5N R3E           007         Cimbria Placer         Sec. 13 T5N R3E           010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 23 T5N R3E           048\$         Cotton         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 22 T5N R3E           030         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 21 T5N R3E           036         Eklo Placer         Sec. 21 T5N R3E           034         Gold Bar Placer         Sec. 23 T5N R3E           034         Gold Bar Placer         Sec. 23 T5N R3E           022         Harry Livingston         Sec. 22 T5N R3E           033         Hill Placer         Sec. 23 T5N R3E           035         Jessie L.	
028         C. W. Kauffman Placer         Sec. 23 T5N R3E           005         Carpenter Placer         Sec. 14 T5N R3E           013         Cattaraugus Placer         Sec. 12 T5N R3E           015\$         Central City         Sec. 22 T5N R3E           007         Cimbria Placer         Sec. 14 T5N R3E           010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 24 T5N R3E           048\$         Cotton         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 22 T5N R3E           031         Deadwood and Delaware Placer         Sec. 24 T5N R3E           035         Eklo Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           037         Gold Bar Placer         Sec. 23 T5N R3E           038         Gold Bar Placer         Sec. 22 T5N R3E           039         Harry Livingston         Sec. 22 T5N R3E           020         Harry Livingston         Sec. 22 T5N R3E           031         Hill and Gulch Placer         Sec. 23 T5N R3E           033         <	
005         Carpenter Placer         Sec. 14 T5N R3E           013         Cattaraugus Placer         Sec. 12 T5N R3E           015\$         Central City         Sec. 22 T5N R3E           007         Cimbria Placer         Sec. 14 T5N R3E           010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 24 T5N R3E           019         Danton         Sec. 24 T5N R3E           038         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 22 T5N R3E           034         Gold Bar Placer         Sec. 22 T5N R3E           024         Harry Livingston         Sec. 22 T5N R3E           038         Herbert No.1         Sec. 22 T5N R3E           039         Hill Placer         Sec. 23 T5N R3E           020         Knox         Sec. 22 T5N R3E           034         Gold Bar Placer	
013         Cattaraugus Placer         Sec. 12 T5N R3E           015\$         Central City         Sec. 22 T5N R3E           007         Cimbria Placer         Sec. 14 T5N R3E           010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 24 T5N R3E           048\$         Cotton         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 22 T5N R3E           031         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           037         Gold Bar Placer         Sec. 22 T5N R3E           034         Gold Bar Placer         Sec. 22 T5N R3E           025         Harry Livingston         Sec. 22 T5N R3E           036         Herbert No.1         Sec. 22 T5N R3E           039         Hill Placer         <	
015\$         Central City         Sec. 22 T5N R3E           007         Cimbria Placer         Sec. 14 T5N R3E           010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 23 T5N R3E           048\$         Cotton         Sec. 24 T5N R3E           019         Danton         Sec. 22 T5N R3E           041         Datson Placer         Sec. 24 T5N R3E           038         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           034         Gold Bar Placer         Sec. 6 T5N R4E           034         Gold Bar Placer         Sec. 22 T5N R3E           022         Harry Livingston         Sec. 22 T5N R3E           023         Hill Placer         Sec. 22 T5N R3E           029         Hill Placer         Sec. 23 T5N R3E           033         Hill and Gulch Placer         Sec. 23 T5N R3E           034         Karoline         Sec. 23 T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23 T5N R3E           044         Karoline         Sec. 22 T5N R3E           046         M.S. 166 <td></td>	
007         Cimbria Placer         Sec. 14 T5N R3E           010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 23 T5N R3E           048\$         Cotton         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 22 T5N R3E           034         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           036         Emma         Sec. 13 T5N R3E           014         Excelsior Placer         Sec. 6 T5N R4E           034         Gold Bar Placer         Sec. 23 T5N R3E           022         Harry Livingston         Sec. 22 T5N R3E           018         Herbert No.1         Sec. 22 T5N R3E           029         Hill Placer         Sec. 22 T5N R3E           033         Hill and Gulch Placer         Sec. 23 T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23 T5N R3E           046         M.S. 166         Sec. 13 T5N R3E           047         M.S. 343         Sec. 24 T5N R3E           039         Mathilda Placer	
010         Coe Placer         Sec. 13 T5N R3E           032         Columbia Placer         Sec. 23 T5N R3E           048\$         Cotton         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 22 T5N R3E           041         Datson Placer         Sec. 24 T5N R3E           038         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           006         Emma         Sec. 13 T5N R3E           014         Excelsior Placer         Sec. 6 T5N R4E           034         Gold Bar Placer         Sec. 23 T5N R3E           022         Harry Livingston         Sec. 22 T5N R3E           018         Herbert No.1         Sec. 22 T5N R3E           029         Hill Placer         Sec. 12 T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23 T5N R3E           036         Karoline         Sec. 23 T5N R3E           046         M.S. 166         Sec. 13 T5N R3E           047         M.S. 343         Sec. 24 T5N R3E           049         Mathilda Placer         Sec. 24 T5N R3E           020         Palisades Stone Placer	
032         Columbia Placer         Sec. 23 T5N R3E           048\$         Cotton         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 22 T5N R3E           041         Datson Placer         Sec. 24 T5N R3E           038         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           006         Emma         Sec. 13 T5N R3E           014         Excelsior Placer         Sec. 6 T5N R4E           034         Gold Bar Placer         Sec. 23 T5N R3E           022         Harry Livingston         Sec. 22 T5N R3E           018         Herbert No.1         Sec. 22 T5N R3E           029         Hill Placer         Sec. 12 T5N R3E           033         Hill and Gulch Placer         Sec. 23 T5N R3E           044         Karoline         Sec. 23 T5N R3E           004         Karoline         Sec. 23 T5N R3E           046         M.S. 166         Sec. 13 T5N R3E           047         M.S. 343         Sec. 24 T5N R3E           049         Mathilda Placer         Sec. 24 T5N R3E           020         Palisades Stone Placer	
048\$         Cotton         Sec. 24 T5N R3E           045*         Dale Placer         Sec. 24 T5N R3E           019         Danton         Sec. 22 T5N R3E           041         Datson Placer         Sec. 24 T5N R3E           038         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           006         Emma         Sec. 13 T5N R3E           014         Excelsior Placer         Sec. 6 T5N R4E           034         Gold Bar Placer         Sec. 23 T5N R3E           022         Harry Livingston         Sec. 22 T5N R3E           018         Herbert No.1         Sec. 22 T5N R3E           019         Hill Placer         Sec. 12 T5N R3E           029         Hill Placer         Sec. 23 T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23 T5N R3E           040         Karoline         Sec. 23 T5N R3E           046         M.S. 166         Sec. 13 T5N R3E           047         M.S. 343         Sec. 24 T5N R3E           048         Mathilda Placer         Sec. 24 T5N R3E           020         Palisades Stone Placer         Sec. 23 T5N R3E           025         Placer <t< td=""><td></td></t<>	
045*         Dale Placer         Sec. 24         T5N R3E           019         Danton         Sec. 22         T5N R3E           041         Datson Placer         Sec. 24         T5N R3E           038         Deadwood and Delaware Placer         Sec. 24         T5N R3E           036         Eklo Placer         Sec. 23         T5N R3E           006         Emma         Sec. 13         T5N R3E           014         Excelsior Placer         Sec. 6         T5N R4E           034         Gold Bar Placer         Sec. 23         T5N R3E           022         Harry Livingston         Sec. 22         T5N R3E           018         Herbert No.1         Sec. 22         T5N R3E           019         Hill Placer         Sec. 23         T5N R3E           029         Hill Placer         Sec. 23         T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23         T5N R3E           040         Karoline         Sec. 23         T5N R3E           020         Knox         Sec. 22         T5N R3E           046         M.S. 166         Sec. 13         T5N R3E           047         M.S. 343         Sec. 24         T5N R3E <td></td>	
019         Danton         Sec. 22         T5N R3E           041         Datson Placer         Sec. 24         T5N R3E           038         Deadwood and Delaware Placer         Sec. 24         T5N R3E           036         Eklo Placer         Sec. 23         T5N R3E           006         Emma         Sec. 13         T5N R3E           014         Excelsior Placer         Sec. 6         T5N R4E           034         Gold Bar Placer         Sec. 23         T5N R3E           022         Harry Livingston         Sec. 22         T5N R3E           018         Herbert No.1         Sec. 22         T5N R3E           011         Hidden Fortune Placer         Sec. 12         T5N R3E           029         Hill Placer         Sec. 23         T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23         T5N R3E           040         Karoline         Sec. 23         T5N R3E           020         Knox         Sec. 22         T5N R3E           046         M.S. 166         Sec. 13         T5N R3E           047         M.S. 343         Sec. 24         T5N R3E           026         Palisades Stone Placer         Sec. 23	
041         Datson Placer         Sec. 24 T5N R3E           038         Deadwood and Delaware Placer         Sec. 24 T5N R3E           036         Eklo Placer         Sec. 23 T5N R3E           006         Emma         Sec. 13 T5N R3E           014         Excelsior Placer         Sec. 6 T5N R4E           034         Gold Bar Placer         Sec. 22 T5N R3E           022         Harry Livingston         Sec. 22 T5N R3E           018         Herbert No.1         Sec. 22 T5N R3E           011         Hidden Fortune Placer         Sec. 12 T5N R3E           029         Hill Placer         Sec. 23 T5N R3E           033         Hill and Gulch Placer         Sec. 23 T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23 T5N R3E           004         Karoline         Sec. 23 T5N R3E           020         Knox         Sec. 22 T5N R3E           046         M.S. 166         Sec. 13 T5N R3E           047         M.S. 343         Sec. 24 T5N R3E           039         Mathilda Placer         Sec. 24 T5N R3E           020         Palisades Stone Placer         Sec. 23 T5N R3E           025         Placer         Sec. 23 T5N R3E           025         Placer	
038         Deadwood and Delaware Placer         Sec. 24         T5N R3E           036         Eklo Placer         Sec. 23         T5N R3E           006         Emma         Sec. 13         T5N R3E           014         Excelsior Placer         Sec. 6         T5N R4E           034         Gold Bar Placer         Sec. 22         T5N R3E           022         Harry Livingston         Sec. 22         T5N R3E           018         Herbert No.1         Sec. 22         T5N R3E           011         Hidden Fortune Placer         Sec. 12         T5N R3E           029         Hill Placer         Sec. 23         T5N R3E           033         Hill and Gulch Placer         Sec. 23         T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23         T5N R3E           004         Karoline         Sec. 23         T5N R3E           046         M.S. 166         Sec. 13         T5N R3E           047         M.S. 343         Sec. 24         T5N R3E           026         Palisades Stone Placer         Sec. 24         T5N R3E           026         Palisades Stone Placer         Sec. 23         T5N R3E           025         Placer <td< td=""><td></td></td<>	
036         Eklo Placer         Sec. 23 T5N R3E           006         Emma         Sec. 13 T5N R3E           014         Excelsior Placer         Sec. 6 T5N R4E           034         Gold Bar Placer         Sec. 23 T5N R3E           022         Harry Livingston         Sec. 22 T5N R3E           018         Herbert No.1         Sec. 22 T5N R3E           011         Hidden Fortune Placer         Sec. 12 T5N R3E           029         Hill Placer         Sec. 23 T5N R3E           033         Hill and Gulch Placer         Sec. 23 T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23 T5N R3E           004         Karoline         Sec. 23 T5N R3E           020         Knox         Sec. 22 T5N R3E           046         M.S. 166         Sec. 13 T5N R3E           047         M.S. 343         Sec. 24 T5N R3E           039         Mathilda Placer         Sec. 24 T5N R3E           026         Palisades Stone Placer         Sec. 24 T5N R3E           002         Palisades Stone Placer         Sec. 23 T5N R3E           025         Placer         Sec. 23 T5N R3E           043         Ray Placer         Sec. 22 T5N R3E           017         Red Jacket	
006         Emma         Sec. 13         T5N         R3E           014         Excelsior Placer         Sec. 6         T5N         R4E           034         Gold Bar Placer         Sec. 23         T5N         R3E           022         Harry Livingston         Sec. 22         T5N         R3E           018         Herbert No.1         Sec. 22         T5N         R3E           011         Hidden Fortune Placer         Sec. 12         T5N         R3E           029         Hill Placer         Sec. 23         T5N         R3E           033         Hill and Gulch Placer         Sec. 23         T5N         R3E           035         Jessie L. Consolidated Placer         Sec. 23         T5N         R3E           004         Karoline         Sec. 23         T5N         R3E           020         Knox         Sec. 22         T5N         R3E           046         M.S. 166         Sec. 13         T5N         R3E           047         M.S. 343         Sec. 24         T5N         R3E           026         Palisades Stone Placer         Sec. 24         T5N         R3E           025         Placer         Sec. 23         T5N	
014         Excelsior Placer         Sec. 6         T5N R4E           034         Gold Bar Placer         Sec. 23         T5N R3E           022         Harry Livingston         Sec. 22         T5N R3E           018         Herbert No.1         Sec. 22         T5N R3E           011         Hidden Fortune Placer         Sec. 12         T5N R3E           029         Hill Placer         Sec. 23         T5N R3E           033         Hill and Gulch Placer         Sec. 23         T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23         T5N R3E           004         Karoline         Sec. 23         T5N R3E           020         Knox         Sec. 22         T5N R3E           046         M.S. 166         Sec. 13         T5N R3E           047         M.S. 343         Sec. 24         T5N R3E           026         Palisades Stone Placer         Sec. 24         T5N R3E           026         Palisades Stone Placer         Sec. 23         T5N R3E           025         Placer         Sec. 23         T5N R3E           043         Ray Placer         Sec. 24         T5N R3E           017         Red Jacket         Sec. 22	
034       Gold Bar Placer       Sec. 23 T5N R3E         022       Harry Livingston       Sec. 22 T5N R3E         018       Herbert No.1       Sec. 22 T5N R3E         011       Hidden Fortune Placer       Sec. 12 T5N R3E         029       Hill Placer       Sec. 23 T5N R3E         033       Hill and Gulch Placer       Sec. 23 T5N R3E         035       Jessie L. Consolidated Placer       Sec. 23 T5N R3E         004       Karoline       Sec. 23 T5N R3E         020       Knox       Sec. 22 T5N R3E         046       M.S. 166       Sec. 13 T5N R3E         047       M.S. 343       Sec. 24 T5N R3E         039       Mathilda Placer       Sec. 24 T5N R3E         026       Palisades Stone Placer       Sec. 23 T5N R3E         025       Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
022       Harry Livingston       Sec. 22       T5N R3E         018       Herbert No.1       Sec. 22       T5N R3E         011       Hidden Fortune Placer       Sec. 12       T5N R3E         029       Hill Placer       Sec. 23       T5N R3E         033       Hill and Gulch Placer       Sec. 23       T5N R3E         035       Jessie L. Consolidated Placer       Sec. 23       T5N R3E         004       Karoline       Sec. 23       T5N R3E         020       Knox       Sec. 22       T5N R3E         046       M.S. 166       Sec. 13       T5N R3E         047       M.S. 343       Sec. 24       T5N R3E         039       Mathilda Placer       Sec. 24       T5N R3E         026       Palisades Stone Placer       Sec. 23       T5N R3E         025       Placer       Sec. 15       T5N R3E         025       Placer       Sec. 23       T5N R3E         043       Ray Placer       Sec. 24       T5N R3E         017       Red Jacket       Sec. 22       T5N R3E         012       Red Placer       Sec. 12       T5N R3E	
018         Herbert No.1         Sec. 22         T5N R3E           011         Hidden Fortune Placer         Sec. 12         T5N R3E           029         Hill Placer         Sec. 23         T5N R3E           033         Hill and Gulch Placer         Sec. 23         T5N R3E           035         Jessie L. Consolidated Placer         Sec. 23         T5N R3E           004         Karoline         Sec. 22         T5N R3E           020         Knox         Sec. 22         T5N R3E           046         M.S. 166         Sec. 13         T5N R3E           047         M.S. 343         Sec. 24         T5N R3E           039         Mathilda Placer         Sec. 24         T5N R3E           026         Palisades Stone Placer         Sec. 23         T5N R3E           025         Placer         Sec. 15         T5N R3E           025         Placer         Sec. 23         T5N R3E           043         Ray Placer         Sec. 24         T5N R3E           017         Red Jacket         Sec. 22         T5N R3E           012         Red Placer         Sec. 12         T5N R3E	
011       Hidden Fortune Placer       Sec. 12       T5N R3E         029       Hill Placer       Sec. 23       T5N R3E         033       Hill and Gulch Placer       Sec. 23       T5N R3E         035       Jessie L. Consolidated Placer       Sec. 23       T5N R3E         004       Karoline       Sec. 22       T5N R3E         020       Knox       Sec. 22       T5N R3E         046       M.S. 166       Sec. 13       T5N R3E         047       M.S. 343       Sec. 24       T5N R3E         039       Mathilda Placer       Sec. 24       T5N R3E         026       Palisades Stone Placer       Sec. 23       T5N R3E         002       Palisades Stone Placer       Sec. 15       T5N R3E         025       Placer       Sec. 23       T5N R3E         043       Ray Placer       Sec. 24       T5N R3E         017       Red Jacket       Sec. 22       T5N R3E         012       Red Placer       Sec. 12       T5N R3E	
029       Hill Placer       Sec. 23 T5N R3E         033       Hill and Gulch Placer       Sec. 23 T5N R3E         035       Jessie L. Consolidated Placer       Sec. 23 T5N R3E         004       Karoline       Sec. 22 T5N R3E         020       Knox       Sec. 22 T5N R3E         046       M.S. 166       Sec. 13 T5N R3E         047       M.S. 343       Sec. 24 T5N R3E         039       Mathilda Placer       Sec. 24 T5N R3E         026       Palisades Stone Placer       Sec. 23 T5N R3E         002       Palisades Stone Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
033       Hill and Gulch Placer       Sec. 23 T5N R3E         035       Jessie L. Consolidated Placer       Sec. 23 T5N R3E         004       Karoline       Sec. 23 T5N R3E         020       Knox       Sec. 22 T5N R3E         046       M.S. 166       Sec. 13 T5N R3E         047       M.S. 343       Sec. 24 T5N R3E         039       Mathilda Placer       Sec. 24 T5N R3E         026       Palisades Stone Placer       Sec. 23 T5N R3E         002       Palisades Stone Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
035       Jessie L. Consolidated Placer       Sec. 23 T5N R3E         004       Karoline       Sec. 23 T5N R3E         020       Knox       Sec. 22 T5N R3E         046       M.S. 166       Sec. 13 T5N R3E         047       M.S. 343       Sec. 24 T5N R3E         039       Mathilda Placer       Sec. 24 T5N R3E         026       Palisades Stone Placer       Sec. 23 T5N R3E         002       Palisades Stone Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
004       Karoline       Sec. 23 T5N R3E         020       Knox       Sec. 22 T5N R3E         046       M.S. 166       Sec. 13 T5N R3E         047       M.S. 343       Sec. 24 T5N R3E         039       Mathilda Placer       Sec. 24 T5N R3E         026       Palisades Stone Placer       Sec. 23 T5N R3E         002       Palisades Stone Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
020         Knox         Sec. 22         T5N R3E           046         M.S. 166         Sec. 13         T5N R3E           047         M.S. 343         Sec. 24         T5N R3E           039         Mathilda Placer         Sec. 24         T5N R3E           026         Palisades Stone Placer         Sec. 23         T5N R3E           002         Palisades Stone Placer         Sec. 15         T5N R3E           025         Placer         Sec. 23         T5N R3E           043         Ray Placer         Sec. 24         T5N R3E           017         Red Jacket         Sec. 22         T5N R3E           012         Red Placer         Sec. 12         T5N R3E	
046       M.S. 166       Sec. 13 T5N R3E         047       M.S. 343       Sec. 24 T5N R3E         039       Mathilda Placer       Sec. 24 T5N R3E         026       Palisades Stone Placer       Sec. 23 T5N R3E         002       Palisades Stone Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
047       M.S. 343       Sec. 24       T5N R3E         039       Mathilda Placer       Sec. 24       T5N R3E         026       Palisades Stone Placer       Sec. 23       T5N R3E         002       Palisades Stone Placer       Sec. 15       T5N R3E         025       Placer       Sec. 23       T5N R3E         043       Ray Placer       Sec. 24       T5N R3E         017       Red Jacket       Sec. 22       T5N R3E         012       Red Placer       Sec. 12       T5N R3E	
039       Mathilda Placer       Sec. 24 T5N R3E         026       Palisades Stone Placer       Sec. 23 T5N R3E         002       Palisades Stone Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
026       Palisades Stone Placer       Sec. 23 T5N R3E         002       Palisades Stone Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
002       Palisades Stone Placer       Sec. 15 T5N R3E         025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
025       Placer       Sec. 23 T5N R3E         043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
043       Ray Placer       Sec. 24 T5N R3E         017       Red Jacket       Sec. 22 T5N R3E         012       Red Placer       Sec. 12 T5N R3E	
017         Red Jacket         Sec. 22 T5N R3E           012         Red Placer         Sec. 12 T5N R3E	
012 Red Placer Sec. 12 T5N R3E	
OOL Didge Chang Discom	
10 10 10 10 10 10 10 10 10 10 10 10 10 1	
O31\$ Saw Dust Sec. 23 T5N R3E	
040 Splittail Placer Sec. 24 T5N R3E	
027 Sunnyside Stone Placer Sec. 23 T5N R3E	
009 Theodor Placer Sec. 13 T5N R3E	
044* Thor Placer Sec. 24 T5N R3E	
047\$ Unruh Sec. 24 T5N R3E	
021 Vanderbilt No.2 Sec. 22 T5N R3E	
024 Whitewood Sec. 23 T5N R3E	
008 Wilmington Placer Sec. 13 T5N R3E	
037 Wilson Hill Placer Sec. 24 T5N R3E	
042 Woodbine Placer Sec. 24 T5N R3E	

## Numerical list of patented claims

[Asterisk (\*) indicates that part of claim extends into adjacent quadrangle; dollar sign (\$) indicates that most of claim is in the adjacent quadrangle]

claim is in the adjacent quadrangle]								
	Name							
Claim	of	Loc	ati	on				
number	Claim							
001	Ridge Stone Placer	Sec.	15	T5N	R3E			
002	Palisades Stone Placer	Sec.	15	T5N	R3E			
003	Bavarian	Sec.	23	T5N	R3E			
004	Karoline	Sec.	23	T5N	R3E			
005	Carpenter Placer	Sec.	14	T5N	R3E			
006	Emma	Sec.	13	T5N	R3E			
007	Cimbria Placer	Sec.						
800	Wilmington Placer	Sec.		T5N				
009	Theodor Placer	Sec.	13	T5N	R3E			
010	Coe Placer	Sec.						
011	Hidden Fortune Placer	Sec.	12	T5N	R3E			
012	Red Placer	Sec.	12	T5N	R3E			
013	Cattaraugus Placer	Sec.	12	T5N	R3E			
014	Excelsior Placer	Sec.		T5N				
015\$	Central City	Sec.	22	T5N	R3E			
016	Bergen Fr.	Sec.	22	T5N	R3E			
017	Red Jacket	Sec.		T5N				
018	Herbert No.1	Sec.		T5N				
018\$	Alderton No.1	Sec.						
019	Danton	Sec.						
020	Knox	Sec.						
021	Vanderbilt No.2	Sec.						
022	Harry Livingston	Sec.	1000					
023	Arnold Placer	Sec.		T5N				
024	Whitewood	Sec.		T5N				
025	Placer	Sec.						
026	Palisades Stone Placer	Sec.						
027	Sunnyside Stone Placer	Sec.						
028	C. W. Kauffman Placer	Sec.		T5N				
029	Hill Placer	Sec.						
030	Blarney Stone	Sec.						
031\$	Saw Dust	Sec.						
032	Columbia Placer							
033	Hill and Gulch Placer	Sec.		T5N T5N				
034	Gold Bar Placer	Sec.						
035	Jessie L. Consolidated Placer	Sec.						
036	Eklo Placer			T5N				
037	Wilson Hill Placer	Sec.	120 12					
038	Deadwood and Delaware Placer	Sec.		T5N				
039	Mathilda Placer	Sec.						
040	Splittail Placer	Sec.		T5N				
041	Datson Placer	Sec.	1922 1941	T5N				
042	Woodbine Placer	Sec.	12 1/27	T5N				
043 044*	Ray Placer Thor Placer	Sec.		T5N				
045*	Dale Placer	Sec.	200	T5N				
046	M.S. 166	Sec.	13		R3E			
047	M.S. 343	Sec.		T5N				
047\$	Unruh	Sec.		T5N				
0475	Cotton	Sec.		T5N	10.00			