AVALANCHE ATLAS

ON MAN AND THE BIOSPHERE



SAN JUAN COUNTY, COLORADO

Len Miller, Betsy R. Armstrong, Richard L. Armstrong



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Avalanche Atlas San Juan County

by

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San Juan Avalanche Project

INSTITUTE OF ARCTIC AND ALPINE RESEARCH

University of Colorado

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PREFACE

Avalanche phenomena have been known, appreciated, and feared for hundreds of years in all those areas of the world where people, initially agriculturalists, have lived in high mountain lands subject to heavy snow accumulation. Only a small fraction of the total human experience with avalanches has been recorded and handed down to us and the completeness of the record is highly variable from place to place, with Switzerland, France and Austria accounting for a large share of it. Yet even here, detailed, accurate observations adequate for the provision of a sound basis for late-twentieth century development of mountain lands, is frequently lacking. Even so, the mountain systems of western North America, by comparison, are virtual unknowns.

The growth of serious tourist and recreational use of the Alps at the turn of the century, with an enormous acceleration after 1950, have witnessed such an increase in man-made structures and total number of summer and winter visitors, that the avalanche hazard has grown at an alarming rate. The Alpine countries, and especially Switzerland, have pioneered the areas of avalanche and snow mechanics research and the application of the ensuing expertise to development of mountain land-zoning policies. The great burst of developmental activities in the mountains of the North American West, dependent upon acceleration of recreational interests, lagged some 15 years behind the European experience, and is still far from comparable in terms of intensity of land use. Nevertheless, the avalanche hazard problem and the thorny questions of land-use planning are primary issues of the 1970's and 1980's forced by the mushroom growth of ski resorts, increasing interest in winter back-country experience, and expansion of mountain living and transportation across mountainous areas in general. It was within this latter-day context that the Institute of Arctic and Alpine Research (INSTAAR) of the University of Colorado, became very much involved in avalanche research and in natural hazards in mountains in general.

In 1971 a four-year task was commissioned by the Bureau of Reclamation (United States Department of the Interior) whereby INSTAAR became responsible for an attempt to develop an avalanche forecast system for the northern San Juan Mountains (Bureau of Reclamation Contract No. 14-06-D-7155).

This resulted in establishment of a base in Silverton for both winter and summer field operations. As our experience increased many other facets were added to the original program. These included studies in snow mechanics and temperature gradient metamorphism, supported by United States Army Research Office, Durham (ARO DAHCO4-75-G-0028), experimentation with alternate methods to explosives for avalanche release, funded by the Colorado State Highways Department, the Washington State Highways Department and the Federal Department of Transportation, and many studies in snow hydrology, climatology and geomorphology that were identified as graduate student dissertation topics. A major additional step was initiation of a continuing research grant from the Office of University Affairs, NASA, for application of remote sensing techniques to the solution of land-use problems in mountainous terrain. A large element of this effort has so far been devoted to identification of areas subject to avalanche and other natural hazards in specific areas such as Vail and adjacent land along Gore Creek, Crested Butte, Telluride and Ophir. More recently special attention has been given to county-wide mapping at a scale of 1:24,000 in San Juan, San Miguel and Ouray counties. This has been linked to the requirements of Colorado State House Bill 1041 and has been initiated by county request and conducted in collaboration with the Colorado Geological Survey. Finally, observations on avalanche events, obtained on a daily basis through four winters, have been reported to staff of the National Forest Service Avalanche Warning Center, Rocky Mountain Forest and Range Experiment Station, Fort Collins, and incorporated into the generalized State avalanche warning system.

This Avalanche Atlas for highways 550 and 110 within San Juan County, derives support from all of these activities as well as the County authorities themselves. Actual financial support was provided by the San Juan County Commissioners and the Bureau of Reclamation (Contract 14-06-D-7155). A special acknowledgment is accorded to Mr. Allen Nossaman, County Land Use Planner, for without his foresight and encouragement this atlas would not have been compiled. Many numbers of the INSTAAR San Juan Avalanche Project have contributed: in particular Len Miller provided the photography, maps, summary sheet technical data and final collation and editing; Richard and Betsy Armstrong compiled the terrain and vegetation data and Betsy the historical data; additional vital assistance was provided by Tom Carroll, Bill McClelland and Rod Newcomb. Finally the hand of Ed LaChapelle lies

upon all of our avalanche activities as consultant, investigator, colleague and Research Associate of INSTAAR.

In conclusion a word must be added concerning the context of the Atlas. It is an atlas, albeit highly specialized, and nothing more. The intention is to provide data in various forms, maps, photographs, and avalanche summary sheets. It is being complemented by other forms of publication: a compilation of historical data by Betsy Armstrong, to be published as INSTAAR Occasional Paper No. 18; a scientific report on the four-year avalanche study by Richard Armstrong, Edward LaChapelle, Michael Bovis and Jack D. Ives, to appear as INSTAAR Occasional Paper No. 19; county-wide natural hazard mapping by Michael Bovis and Rebecca Summer, and numerous technical papers and reports. The entire collection is identified as a vital segment of INSTAAR's overall research operation and is designated a part of the United States contribution to the Unesco * Man and the Biosphere Program (MAB): Project 6 - study of the impact of human activities on mountain and tundra ecosystems. The Atlas is dedicated to the people of San Juan County, both past and present, whose keen observational faculties, and fortitude in living with the avalanche hazard have so frequently provided us with scientific insights and invaluable historical data.

Jack D. Ives

Director, INSTAAR

Jail D. Fres

Chairman, United States MAB Project 6A

Directorate

26 January, 1976

^{*}Unesco: United Nations Educational, Scientific and Cultural Organization

INTRODUCTION

The San Juan Avalanche Atlas was developed for the San Juan Planning Commission and the San Juan County Commissioners. It is intended to aid those in need of information concerning avalanche hazards related to land use planning.

The idea of an avalanche atlas is not a new one; the Swiss were interested in compiling a register of avalanches in the 1800's. In North America, the first avalanche atlas was produced by the U. S. Forest Service for use by the Colorado Department of Highways in 1964 and is still being used for avalanche control, highway design, and highway maintenance. Similar atlases were developed in Washington State. The Washington State Department of Highways avalanche atlases are more detailed than the original Colorado atlas and include all avalanche paths affecting the highways.

The San Juan Avalanche Atlas attempts to take the next step in the evolution of the avalanche atlas in North America by providing more detailed information on the summary sheet than has been attempted in the past. Detailed technical data are supplied for each path and may be helpful to those interested in designing defensive structures for buildings, highways, etc. The information is not intended for critical engineering purposes, but rather as a guide for subsequent data gathering where necessary.

The atlas is a catalog of avalanche activity which has been observed from the late 1870's through 1975 along highways 550 and 110 in San Juan County, Colorado. However, all known avalanche paths visible from these highways are not included; only paths for which data are readily available are cataloged.

Additional information may be added to the atlas without difficulty since a separate sheet is devoted to each path. It is also emphasized that references may bracket avalanche events that have a return period ranging from once every significant snowfall to once in a hundred years or more. To assist with the continued improvement of our historical record, would atlas users in the San Juans please inform INSTAAR of any avalanche event they are able to observe. Time of day, date, and size of event should be noted and information mailed to: Director, Institute of Arctic and Alpine Research, University of Colorado, Boulder, Colorado 80309.

An explanation of the terms used follows:

MAPS:

All maps are $7\frac{1}{2}$ ' USGS topographic reproductions with a scale of 1" = 2000'. Each avalanche path is outlined and numbered. Arrows within a path indicate observed directions of flow of avalanche material. The outlines are only a rough boundary of the path and do not indicate absolute limits for land use planning purposes. These limits can only be established by a detailed ground study of the path in question.

PHOTOGRAPHS:

Photographs were taken with a 35 mm camera from a light aircraft. Only low level oblique photographs were taken. Each path is outlined on the photograph and numbered.

AVALANCHE SUMMARY SHEETS:

Area:

Map number:

Path name(s): The common name or names currently used are given.

Where more than one name is currently used, all are included.

Path reference number: All paths have been cataloged with a reference number which allows it to be placed in a computer for easy retrieval.

The first three digits signify the station. The remaining three refer to the avalanche path. (A station number is a National Forest Service classification number for a highway, mine, or a town. A single station may include more than one zone).

Zone: A zone is a region of geographic similarity

A zone is a region of geographic similarity; for example the deep valley from Silverton to Gladstone (Cement Creek) is considered a single zone.

This category groups paths with similar release characteristics.

Each map in the atlas is numbered. This number appears on all avalanche summary sheets to which it applies.

7

<u>Photograph number:</u> Each photograph is numbered. This

number appears on all avalanche summary

sheets to which it applies.

Specifications:

Elevations and vertical fall: Elevations and vertical fall are

taken directly from 1:24,000 scale maps.

Path lengths: Path lengths are computed as the sum of

the individually calculated lengths for each of the three segments of the avalanche

path.

Number of starting zones: The number of starting zones are ob-

tained from maps and field observations.

In cases where the number of starting zones is difficult to obtain due to the complexity

of terrain the term multiple is used.

Starting zone: The starting zone is the section of the

path where the initial rupture of the snow-

pack occurs and the avalanche begins its

downward course.

Track: The track is that section of the path that

funnels or guides the mass of falling snow

from the starting zone to the runout zone.

Runout zone: The runout zone is the section of the path

where an avalanche comes to rest. This is

the hazard zone principally because it is frequently characterized by valley bottom

slopes which provide some of the few

areas in mountains that have slopes gentle

enough for construction purposes.

Slope, track, and runout angles: The angles for the starting, track,

and runout zones were all calculated from map data and measurements taken from the

maps by a scaled ruler.

Acreages: Acreages were calculated from data taken

from maps by ruler.

Mean widths: Mean widths were measured on the maps.

Tree line:

The tree line data were obtained from maps and field observations. The letter (B) indicates below timberline; (A) indicates above timberline.

Terrain and vegetation cover: Subjective descriptions of the terrain and vegetation of the paths are given including topographic features, vegetation cover and location.

HISTORY:

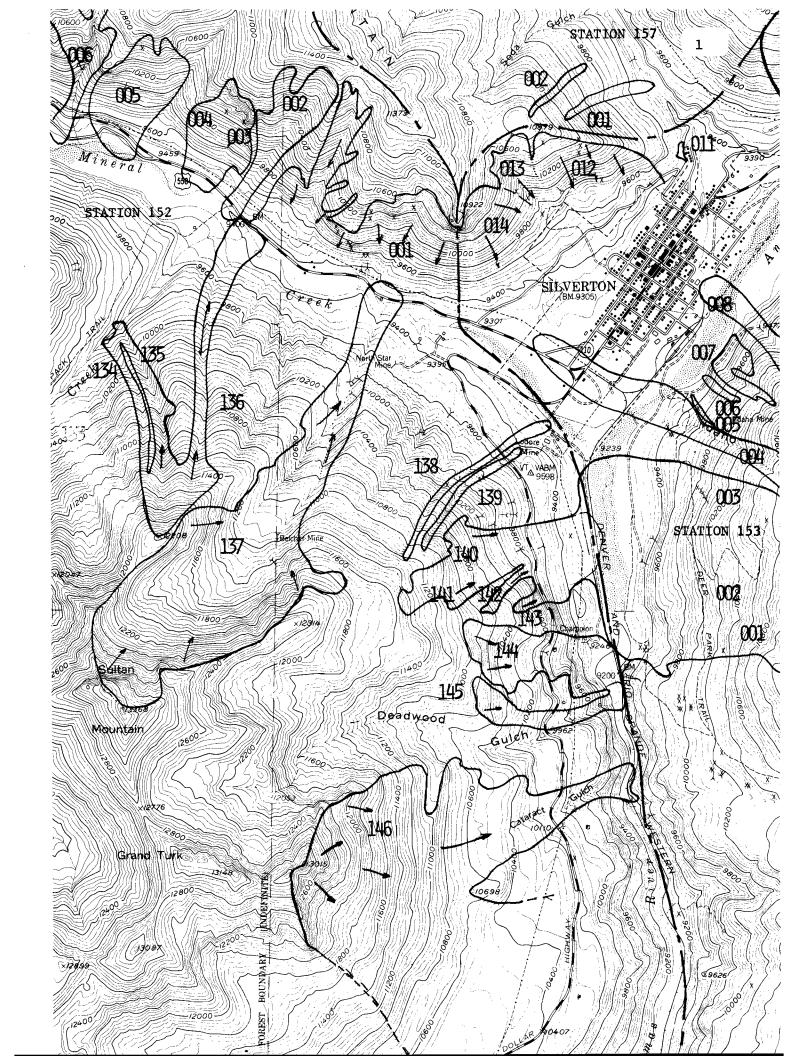
The history of each avalanche path is described in the following three categories:

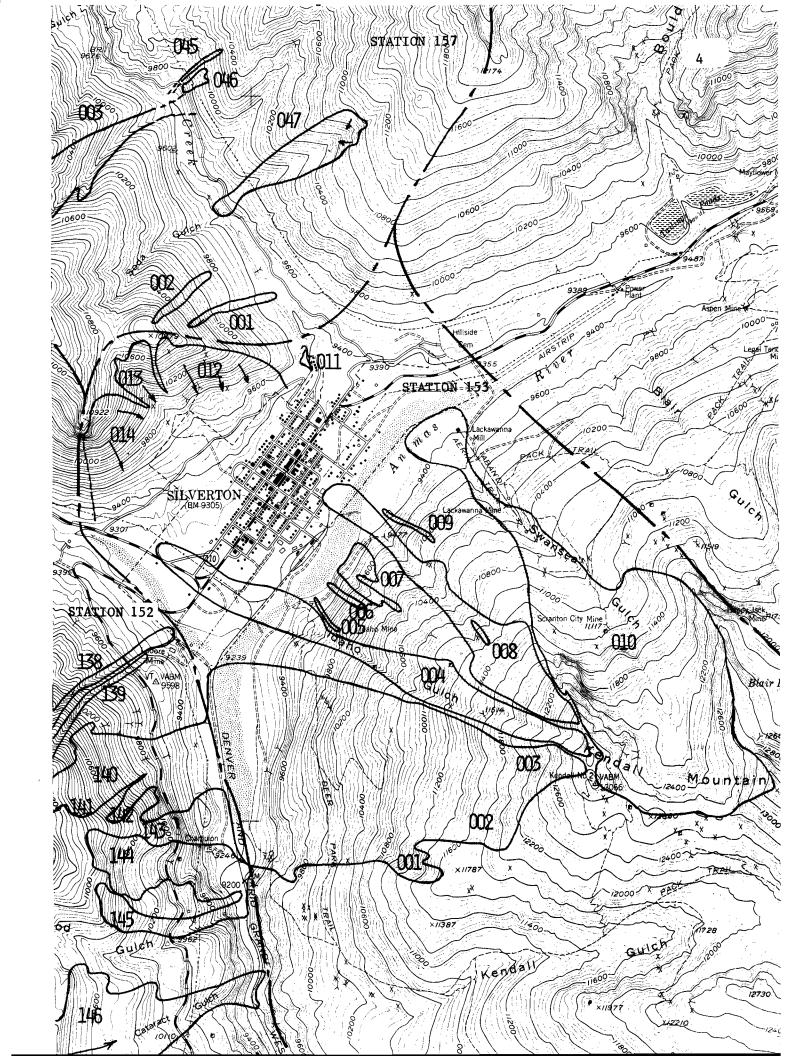
- I. Historical data for the period 1879-1938(B. Armstrong, 1976, Century of Struggle Against Snow - A History of Avalanche Hazard in San Juan County, Colorado.)
- II. Data collected by the Colorado Highway Department for period 1951-1971 Data obtained from personal communications with Louis Dalla, Durango, Colorado; Herman Dalla, Silverton, Colorado; and James Bell, Silverton, Colorado, for period 1938-1971.
- III. Data collected by the San Juan Avalanche Project, INSTITUTE OF ARCTIC AND ALPINE RESEARCH, University of Colorado, for period 1971-1975.

SECTION I

Town of Silverton

Avalanche paths: 153001 - 153014





| Tivalanene Summit y Sirect |
|---|
| PATH NAME ('s): Denver |
| Path Reference Number: 153001 Zone: III Area: 3 |
| Map Number: 1,4 Photograph Number: 40,41 |
| SPECIFICATIONS: |
| Top Elev.: 11600' Bottom Elev.: 9200' Vertical Fall: 2400' |
| Length of Path: 4925' Number of Starting Zones: Multiple |
| Starting Zone Track Runout Zone |
| Slope Angle 34° 31° 16° |
| Area Acres 6 Mean Width 1000' Area Acres 17 |
| Length 3138' |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Open slope with rock outcrops and talus |
| Track: Narrow shallow depression, light small coniferous, willows and grass |
| Runout Zone: Open slope, rock outcrops, willows and grass |
| HISTORY: III. events: 2 highway: 0 full-track: 2 |

| PATH NAME ('s): | Rio Grande | | | | |
|------------------------------------|--|----------------------|-----------------|-----------------|---------------|
| Path Reference | Number: <u>15300</u> | <u>2</u> %o | ne: | <u>II</u> Area: | 3 |
| Map Number: 1, | 4 Photog | raph Numbe | r: <u>40,41</u> | | |
| SPECIFICATIONS: | | | | | 3800' |
| Length of Path: | 7965' Num | ber of Sta | rting Zor | nes: 2 | _ |
| <u>s</u> | tarting Zone | | Track | Rune | out Zone |
| Slope Angle | 39° | | 27° | | 16° |
| Area Acres | 7 M | ean Width | 1000' | Area Acres 2 | .5 |
| | | Length | 5367' | | |
| Tree Line | A | | <u>B</u> | | В |
| TERRAIN AND VEG | ETATION COVER: | | | | |
| Starting Zone: talus and grass | Broad shallow | depression | , large | smooth rock o | outcrops, |
| Track: Shallow coniferous, asp | v depression, s en, willows an | mall rock d grass | outcrops | , light to mo | oderate small |
| Runout Zone: Br with talus slop | | , cliff ba | nds, lig | nt coniferous | e and grass |
| HISTORY: III. | events: 5 highway: 0 full-track: | 1 | | | |

| PATH NAME ('s): | Western, Sorge's, Washi | ington | |
|---------------------------------|---|--------------------------------------|-------------------|
| Path Reference N | umber: <u>153003</u> Zor | ne: <u>III</u> Ar | rea:3 |
| Map Number:1 | Photograph Number | r: <u>40,41</u> | |
| SPECIFICATIONS: | | | |
| Top Elev.: 13000 | Bottom Elev.: 920 | 00' Vertical F | Tall: 3800' |
| Length of Path: | 8407' Number of Star | rting Zones: <u>3</u> | |
| St | arting Zone | Track | Runout Zone |
| Slope Angle | 39° | 32° | 17° |
| Area Acres | 7 Mean Width | 1000' Area Ac | eres48_ |
| | Length | 4579' | |
| Tree Line | A | В | B |
| outcrops, talus Track: Upper po | ETATION COVER: Broad open slope with 2 so with willows, grass and protection: broad open slope cous, small rock outcrops | d small rock out e, divided by st | crops below |
| and grass. Lowe | er portion: separated fi coad open slope, large re | rom upper portio | n by large smooth |
| Runout Zone: Bi | coad open slope, talus a | nd willows | |
| HISTORY: I. | March, 1906, debris depe | osited at base o | f Sultan Mountain |
| , II. | mid 1940's, removed wide January, 1952, observed winter of 1961-1962, rem | to have run | |
| III. | events: 4 highway: 0 full-track: 0 | | |

| PATH NAME ('s | s): Idaho Gulch | | | | | | |
|--|--|----------------------------------|--------------------------------------|--|--|--|--|
| Path Reference | ce Number: 153004 Zo | one: <u>III</u> | Λrea:3 | | | | |
| Map Number: 1,4 Photograph Number: 40,41 | | | | | | | |
| SPECIFICATIONS: | | | | | | | |
| Top Elev.: 13 | Bottom Elev.: 924 | 0' Vertica | 1 Fal1: 3760' | | | | |
| Length of Pat | th: 9754' Number of Sta | arting Zones: | 1 | | | | |
| | Starting Zone | <u>Track</u> | Runout Zone | | | | |
| Slope Angle | 49° | 27° | 11° | | | | |
| Area Acres | 3 Mean Width | 400' Area | Acres55 | | | | |
| | Length | 6083' | | | | | |
| Tree Line | _A | B | <u>B</u> | | | | |
| TERRAIN AND V | VEGETATION COVER: | | | | | | |
| | e: V-shaped depression witmaller rock outcrops, talu | | | | | | |
| light small of to open slope | portion: broad open slope coniferous, willows and gra e containing narrow steep-s ght small coniferous, aspen | ass; lower po sided gully, t | rtion: narrowing alus, small rock | | | | |
| Runout Zone: | Broad open fan, willows, g | grass and ligh | t small boulders | | | | |
| | | | | | | | |
| HISTORY: I. | 1879, ran to the level win February, 1891, ran to the January, 1914, ran to main 1913-1914, destroyed the highway | e level with B n railroad tra | lair Street ck | | | | |
| II. | observed running January, | 1952 | | | | | |
| III. | events: 6 highway: 0 full-track: 2 | | | | | | |



| PATH NAME ('s): | 8th Street | | | | | | |
|---------------------------------|--|------------|-------|-----------------|--------|-------------|--------------|
| Path Reference 1 | Number: 153 | 005 | Zono | e: <u>I</u> | II | Λrea: _ | 2 |
| Map Number: 1, | 4 Phot | tograph Nu | mber | : 40,41 | | | |
| SPECIFICATIONS: Top Elev.: 9800 |) [†] Bottoa | n Elev.: | 9300 | , . v | ertica | 1 Fall: | 500 ' |
| Length of Path: | | | | | | | |
| St | tarting Zono | <u>2</u> | , | ľrack | | Runo | out Zone |
| Slope Angle | 39° | | _ | 45 ⁰ | | *********** | 22° |
| Area Acres | .25 | Mean Wid | th _ | 50' | Area | Acres_ | .3 |
| | | Lengt | h | 424' | | | |
| Tree Line | В | | | В | | | В |
| TERRAIN AND VEGI | ETATION COVE | ER: | | | | | |
| Starting Zone: | | | dera | te con | iferou | s and gr | cass |
| Track: Shallow | depression | , talus, l | light | small | conif | erous | |
| Runout Zone: Br | oad open sl | ope, talus | and | willo | ws | | |
| | events: 1 highway: 0 full-track: | | | | | | |

| PATH NAME ('s): 9th Street | | | | | | | |
|---|--|--|--|--|--|--|--|
| Path Reference Number: 153006 Zone: III Area: 2 | | | | | | | |
| Map Number: 1,4 Photograph Number: 40,41 | | | | | | | |
| SPECIFICATIONS: Top Elev.: 9900' Bottom Elev.: 9300' Vertical Fall: 600' | | | | | | | |
| Length of Path: 994' Number of Starting Zones: 1 | | | | | | | |
| Starting Zone Track Runout Zone | | | | | | | |
| Slope Angle 39° 41° 22° | | | | | | | |
| Area Acres25 Mean Width 100' Area Acres6 | | | | | | | |
| Length 461' | | | | | | | |
| Tree Line B B B | | | | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | | | |
| Starting Zone: Narrow shallow depression, moderate coniferous | | | | | | | |
| Track: Broadening shallow depression, light to moderate coniferous and aspen, grass and bare ground | | | | | | | |
| Runout Zone: Broad depression, grass, bare ground and willows below | | | | | | | |
| HISTORY: III. events: 1 highway: 0 full-track: 1 | | | | | | | |

| PATH NAME ('s): | Steeple | | | | | |
|--|--------------|------------|--------------|-----------|----------|--|
| Path Reference Nur | mber: 153007 | Zo | ne: I | II A | rea: | 2 |
| Map Number: 1,4 | Photogr | aph Numbe | r: 40,4 | 1 | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: 10300' | Bottom E1 | ev.: 9300 | <u>)'</u> Ve | ertical 1 | Fall: | 1000' |
| Length of Path: _1 | 1707' Numb | er of Sta | rting Zo | nes: | 2 | |
| Star | rting Zone | | Track | | Runout | Zone |
| Slope Angle | 39° | | 41° | | 22 | <u>,°</u> |
| | | an Width | 700' | Area A | eres | <u>; </u> |
| | | Length | 922' | | | |
| Tree Line | В | | <u>B</u> | | # | В |
| TERRAIN AND VEGETA | ATIÓN COVER: | | | | | |
| Starting Zone: Br grass and bare gr | | pe, light | to moder | ate con: | iferous | and asper |
| Track: Broad ope and bare ground | n slope, lig | nt to mode | rate con | niferous | and asp | en, grass |
| Runout Zone: Bro willows below | ad open slop | e, bare gr | ound, sm | nall rocl | c outero | ps and |
| HISTORY: | | | | | | |

| PATH NAME (': | s): Arcade, Kendall Mtn., | Green Ribbon, G | reen Wave |
|----------------|--|------------------|----------------------|
| Path Reference | ce Number: 153008 Zo | ne: <u>III</u> A | rea: <u>2</u> |
| Map Number: | 1,4 Photograph Numbe | r: 40,41 | |
| SPECIFICATION | NS: | | |
| Top Elev.: 12 | 2800' Bottom Elev.: 9 | 280' Vertical | Fall: 3520' |
| Length of Par | th: 7765' Number of Sta | rting Zones: | 2 |
| | Starting Zone | Track | Runout Zone |
| Slope Angle | _39° | | 11° |
| Area Acres | 4 Mean Width | 300' Area A | cres_21 |
| | Length | 5731' | |
| Tree Line | A | B | B |
| TERRAIN AND ' | VEGETATION COVER: | | |
| | e:Broad open slope, large r | ock outerops an | d talus |
| | | | |
| Track: Narro | w shallow v-shaped depressi | on, moderate sm | all coniferous |
| and willows | and bare ground | | |
| | | | |
| Runout Zone: | Irregular hummocky terrai ss and bare ground | n, light small | coniferous and |
| miliono, gra | bo did bare ground | | |
| итетори Т | March 1006 was to impati | an of Animas Di | war and Coment Comel |
| HISTORY: I. | and destroyed 3 unoccupie | ed cabins | ver and cement creek |
| II. | April 1926, ran to railroa 1942, crossed Cement Creek | and deposited o | lebris at Tomasi's |
| | fence on Cement Street, 1 | 300 feet across | the level terrain |
| | January, 1952, ran to end of Cement Creek and Anima | | ne between junction |
| III. | events: 4 | | |
| | highway: 0 full-track: 1 | | |
| | | | |

| PATH NAME ('s): | Crystal Gul | ch | | | | |
|-------------------------------|----------------------|-------------|----------|-----------------|--|-----|
| Path Reference 1 | Number: <u>15300</u> | 9 Zo | ne: | <u>III</u> Area | : 2 | |
| Map Number: 4 | Photo | graph Numbe | r:40,4 | 41 | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: 101 | 00 Bottom | Elev.: 930 | O' Ve | rtical Fal | 1: 800' | |
| Length of Path: | 1482' Nu | mber of Sta | rting Zo | nes: 1 | all provide the contract of th | |
| <u>St</u> | arting Zone | | Track | <u>R</u> | unout Zone | |
| Slope Angle | _50° | | 41° | | 28° | |
| Area Acres | .5 | Mean Width | 501 | Area Acro | s1 | |
| | | Length | 922' | | | |
| Tree Line | B | | В | | B | |
| TERRAIN AND VEGE | ETATION COVER | : | | | | |
| Starting Zone: bare ground | Narrow depres | sion in ope | n slope, | moderate | coniferous a | .nd |
| Track: Shallow | depression, 1 | ight conife | rous and | bare grou | nd | |
| Runout Zone: Br | oad open to c | onvex slope | , grass | and bare g | round | |
| HISTORY: | | | | | | |

| PATH NAME ('s): Swansea Gulch, Lakawanna Slide | | | | | | |
|---|---------------|----------------|-----------------|-----------|---------------|--|
| Path Reference | Number: 15 | 3010 zo | ne: <u>IĬI</u> | Area: _ | 2 | |
| Map Number: 4 | Pho | tograph Numbe | r: <u>40,41</u> | | | |
| SPECIFICATIONS | 3: | | | | | |
| Top Elev.: 13 | 3200' Botto | m Elev.: 930 | 0' Vertica | d Fall: | 3900 ' | |
| Length of Path | 1: 11670' | Number of Sta | rting Zones: | Multiple | 2 | |
| | Starting Zon | <u>e.</u> | Track | Runot | ut Zone | |
| Slope Angle | 45° | | 22° |] | 180 | |
| Area Acres | 159 | Mean Width | 500' Area | Acres 29 |) | |
| | | Length | 4524 | | | |
| Tree Line | <u>A</u> | | В | | В | |
| TERRAIN AND VE | EGETATION COV | ER: | | | | |
| Starting Zone: Broad cirque basin surrounded by cliffs with rock glaciers, talus and boulder fields | | | | | | |
| Track: V-shap coniferous | ed depression | n, talus, rock | c outcrops; 1c | ower trac | k: very light | |

Runout Zone: Broad open slope, talus, moderate coniferous and grass with aspen and willows below $% \left\{ 1,2,\ldots ,n\right\} =0$

HISTORY: I. "has run to valley floor twice since 1900, crossed the Animas River once" (L. Dalla)
1932, observed to have run

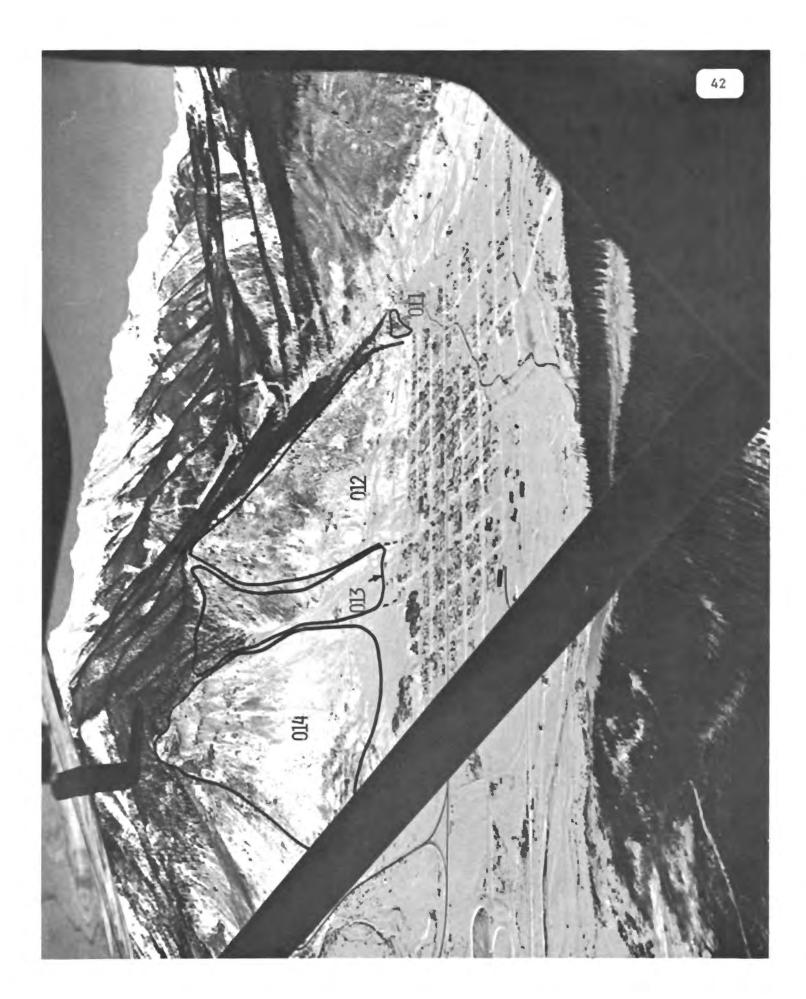


| PATH NAME ('s): Berti | amsville | | | | |
|-----------------------|----------------------------|------------|-------------|-----------|----------|
| Path Reference Number | : 153011 | _ Zone: _ | III | Area: | 1 |
| Map Number: 1,4 | Photograph | Number: 4 | 2 | | |
| SPECIFICATIONS: | Detainer Flore | 9400! | Vortica | 1 Foll: | 2001 |
| Top Elev.: 9600' | | | | | |
| Length of Path: 169 | Number o | f Starting | Zones: | 1 | - |
| Startin | g Zone | Track | <u> </u> | Runo | out Zone |
| Slope Angle 34° | | | | | 0 |
| Area Acres .25 | Mean W | idth 400' | Area | Acres_ | .25 |
| | Len | gth | | | |
| Tree Line B | | B | | | В |
| TERRAIN AND VEGETATIO | N COVER: | | | | |
| Starting Zone: Open | slope, grass a | and talus. | | | |
| Track: broad open slo | ope with grass | | | | |
| Runout Zone: Flat o | pen ground wit | th grass. | | | |
| | ry, 1952, ran un before | to sheds, | had neve | er been o | observed |
| III. events | s: 1 | | | | |

| PATH NAME ('s): | Pabst | | | | |
|------------------------------------|-------------------|----------------------|----------------|--|--------------|
| Path Reference | Number: <u>15</u> | 3012 Zo | ne: <u>III</u> | Area: | 1 |
| Map Number: 1, | .4 Pho | tograph Numbe | r: <u>42</u> | ************************************** | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1010 | 00' Botto | n Elev.: <u>9300</u> | Ver | ctical Fall: | 800' |
| Length of Path: | 3105' | Number of Sta | rting Zoi | nes: <u>Multi</u> | <u>p</u> le |
| <u>s</u> | tarting Zon | <u>e</u> | Track | Run | out Zone |
| Slope Angle | 36° | | 37° | _ | 17° |
| Area Acres | 8 | Mean Width | 1800' | Λrea Λcres_ | 46 |
| | | Length | 1000' | | |
| Tree Line | В | | В | _ | В |
| TERRAIN AND VEG | ETATION COV | ER: | | | |
| Starting Zone: very light coni | _ | i i | _ | on, small ro | ock outcrops |
| Track: Open slo grass, light co | | | pression | , rock outer | ops, talus, |
| Runout Zone: Br | coad open sl | ope, small gr | assy hum | mocks, light | boulders |
| HISTORY. | | | | | |

| PATH NAME ('s): Shrine |
|--|
| Path Reference Number: 153013 Zone: III Area: 1 |
| Map Number: 1,4 Photograph Number: 42 |
| SPECIFICATIONS: |
| Top Elev.: 10800' Bottom Elev.: 9300' Vertical Fall: 1500' |
| Length of Path: 3808' Number of Starting Zones: 2 |
| Starting Zone Track Runout Zone |
| Slope Angle 39° 37° 17° |
| Area Acres 6 Mean Width 300' Area Acres 31 |
| Length <u>1000'</u> |
| Tree Line B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Broad v-shaped depression, grass, talus, light aspen and coniferous |
| Track: V-shaped, talus, grass and bare ground |
| Runout Zone: Broad open slope, small grassy hummocks, light boulders |
| HISTORY: |

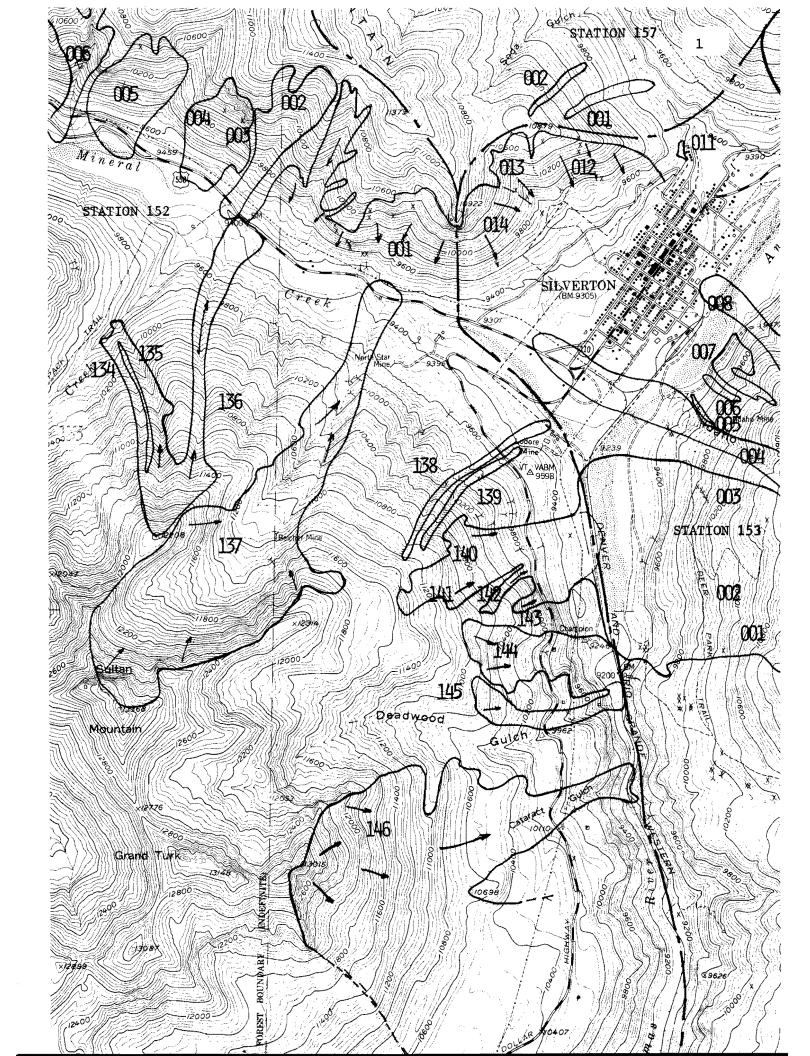
| PATH NAME ('s): Blue Ribbon |
|--|
| Path Reference Number: 153014 Zone: III Δrea: 1 |
| Map Number: 1,4 Photograph Number: 42 |
| SPECIFICATIONS: Top Elev.: 10800' Bottom Elev.: 9300' Vertical Fall: 1500' Length of Path: 3534' Number of Starting Zones: multiple Starting Zone Track Runout Zone Slope Angle 42° 37° 22° Area Acres 9 Mean Width 2000' Area Acres 40 |
| Length 1000' |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Broad convex slope, bands of rugged rock outcrops interspersed with shallow gullies, moderate to heavy aspen and bare ground |
| Track: Broad convex slope, grass, talus, moderate aspen and bare ground |
| Runout Zone: Broad convex slope, grassy hummocks, light aspen and light boulders |
| HISTORY: |

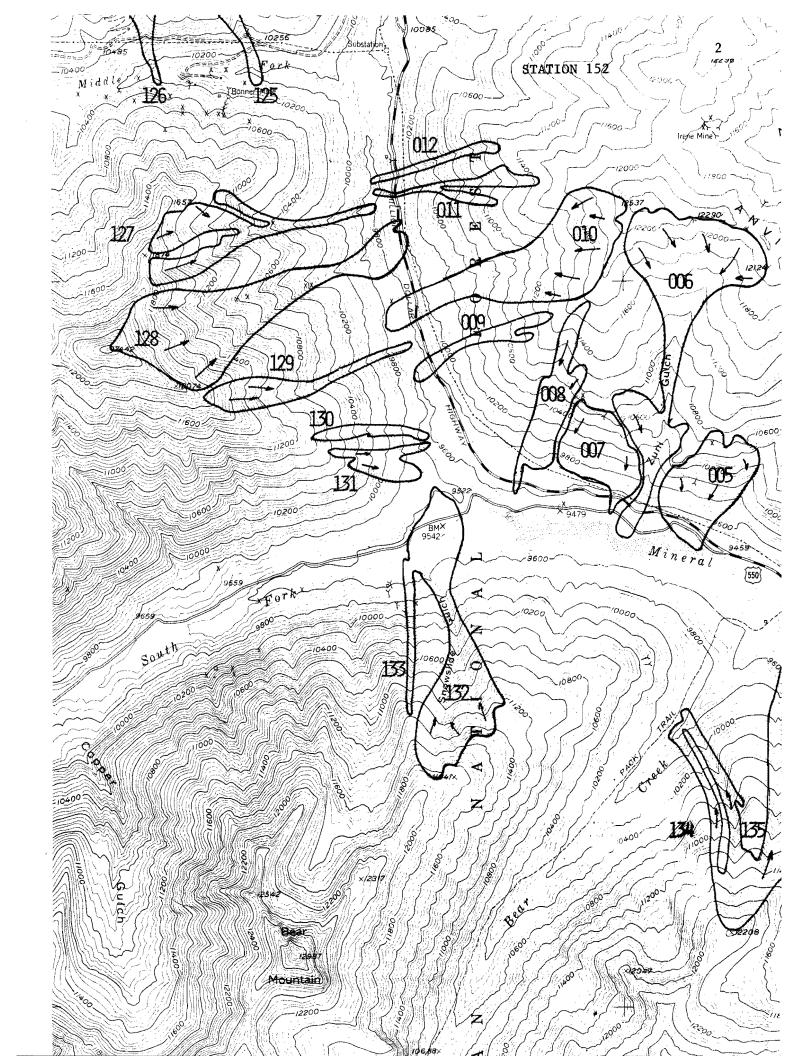


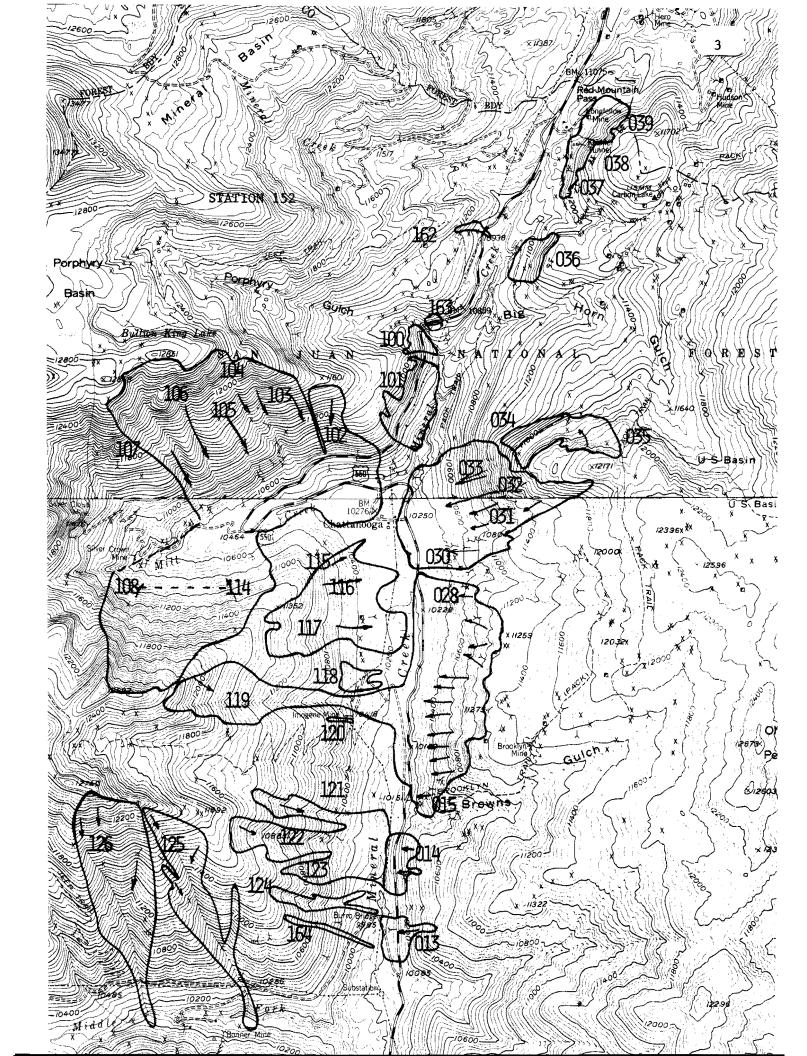
SECTION II

Silverton to Red Mountain Pass east side of U.S. Highway 550

Avalanche paths: 152001 - 152039



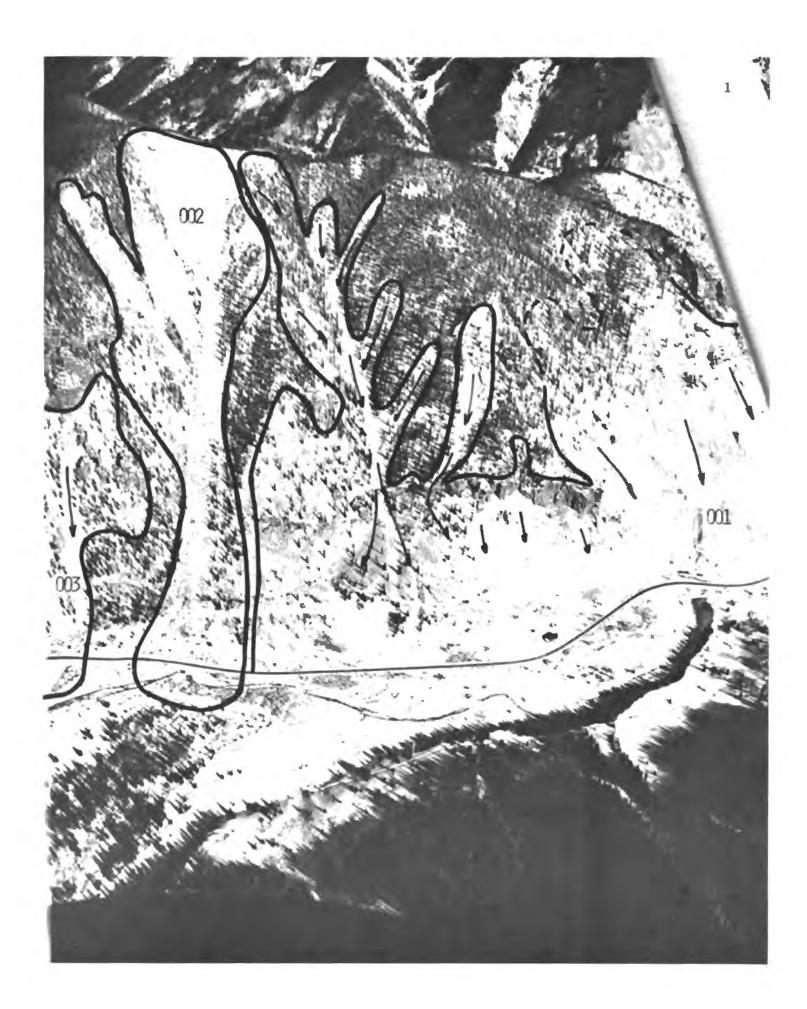




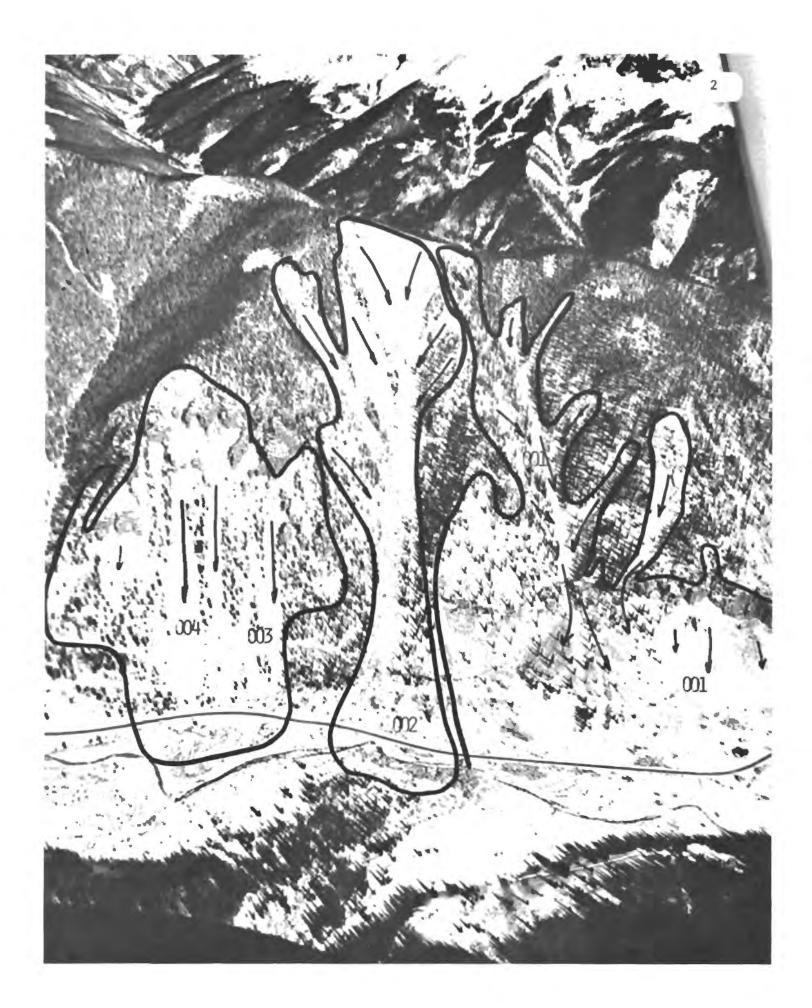
| PATH NAME ('s): | Anvil | | | |
|--|---|--------------|---------------|------------------|
| Path Reference N | Number: 1520 | 001 Zo | ne: <u>IV</u> | Area: <u>15</u> |
| Map Number:1 | Photo | ograph Numbe | r: <u>1,2</u> | - - |
| SPECIFICATIONS: | | | | |
| Top Elev.: 1080 | 00' Bottom | Elev.: 9360 | O' Verti | ical Fall: 1440' |
| Length of Path: | 2799' N | umber of Sta | rting Zones | s: <u>4</u> |
| St | arting Zone | | Track | Runout Zone |
| Slope Angle | | | 25° | 10-25° |
| Area Acres | 35 | Mean Width | 2000' A1 | rea Acres_36 |
| | | Length | 1432' | |
| Tree Line | В | | В | В |
| TERRAIN AND VEGI | ETATION COVE | R: | | |
| Starting Zone: Open slope, scree and some large rock outcrops, light aspen | | | | |
| Track: Open slop | e, scree and | grass | | |
| Runout Zone: Op | en slope, me | dium vegetat | ion, aspen | |
| | events: 11 highway: 0 full-track: | 4 | | |

| PATH NAME ('s): Water Gauge | | | | | |
|---|--|--------------------|------------|--|--|
| Path Reference N | Number: 152002 Zo | ne: <u>IV</u> Area | :15 | | |
| Map Number:1 | Photograph Numbe | r: <u>1,2</u> | | | |
| SPECIFICATIONS: Top Elev.: 11400' Bottom Elev.: 9400' Vertical Fall: 2000' Length of Path: 4206' Number of Starting Zones: 2 | | | | | |
| | carting Zone | | unout Zone | | |
| Slope Angle | 34° | 31° | 17° | | |
| Area Acres | 25 Mean Width | 600 Area Acres | s_16 | | |
| | Length | 1972' | | | |
| Tree Line | В | B | B | | |
| TERRAIN AND VEGE | ETATION COVER: | | | | |
| Starting Zone: Multiple starting zones: broad open slope, scree and small rock outcrops; moderate to heavy coniferous trees in northern portion | | | | | |
| Track: Gully changing to open slope, scree, small light to moderate aspen and coniferous | | | | | |
| Runout Zone: Open slope, moderate to heavy aspen and coniferous and heavy willows | | | | | |
| III. | crossed highway: 2 events: 10 highway: 0 | | | | |

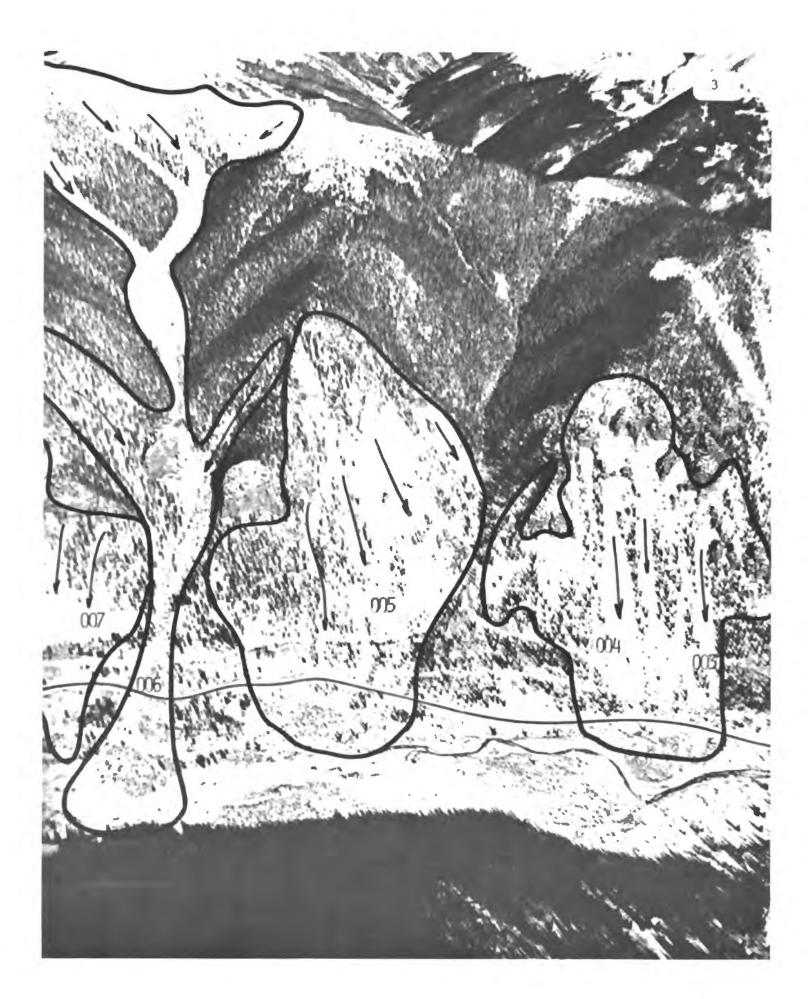
| PATH NAME ('s): | Old South Mi | neral Road | | | | | |
|---|---------------------|--------------|----------------|--------|----------|------------------|---------|
| Path Reference | Number: <u>1520</u> | 03 Zo | ne: <u>I</u> V | J | Area: _ | 15 | |
| Map Number: 1 | Phot | ograph Numbe | r: <u>1,2</u> | 2,3 | | | |
| SPECIFICATIONS: Top Elev.: 1060 Length of Path: | | | | | | 1160' | |
| | tarting Zone | | Track | | | ıt Zone | |
| Slope Angle | 41° | | 63° | | | 15 ⁰ | |
| | | Mean Width | 500' | Area | Acres 8 | .5 | |
| | | Length | 1118' | | | | |
| Tree Line | В | | <u>B</u> | | <u> </u> | В | |
| TERRAIN AND VEG | ETATION COVE | R: | | | | | |
| Starting Zone: | Cliff, large | rock outero | p, talus | 3 | | | |
| Track: Open slope, scree, light coniferous | | | | | | | |
| Runout Zone: Op | en slope, sc | ree, light c | oniferou | is and | aspen ar | nd he avy | willows |
| h | events: 13 | ay: 1 | | | | | |



| PATH NAME ('s): | Pit | | | | | |
|---|---|---------------|---------------|----------|--------|--------------|
| Path Reference | Number: 152 | <u>004</u> Zo | ne: I | V A | rea: _ | 15 |
| Map Number:1 | Phot | tograph Numbe | r: <u>2,3</u> | | | |
| SPECIFICATIONS: Top Elev.: 1080 | | n Elev.: 9440 |)† Ve | rtical l | Fall: | 1360' |
| Length of Path: | 2672' N | Number of Sta | rting Zo | nes: | 1 | . |
| <u>s</u> | tarting Zone | 2 | Track | | Runo | out Zone |
| Slope Angle | 40° | | 50° | | 15 | 50 |
| Area Acres | 11 | Mean Width | 500' | Area A | cres | 6 |
| | | Length | 1562' | | | |
| Tree Line | В | | <u>B</u> | | | В |
| TERRAIN AND VEG | ETATION COVI | ER: | | | | |
| Starting Zone: | Cliff, large | e rock outcro | p, talus | | | |
| Track: Narrow, incised gully, bare ground and scree | | | | | | |
| Runout Zone: E | road open sl | lope, light c | oniferous | and he | eavy w | illows |
| HISTORY: II. | crossed high | nway: 11 | | | | |
| - - | events: 11 highway: 0 full-track: | 3 | | | | |



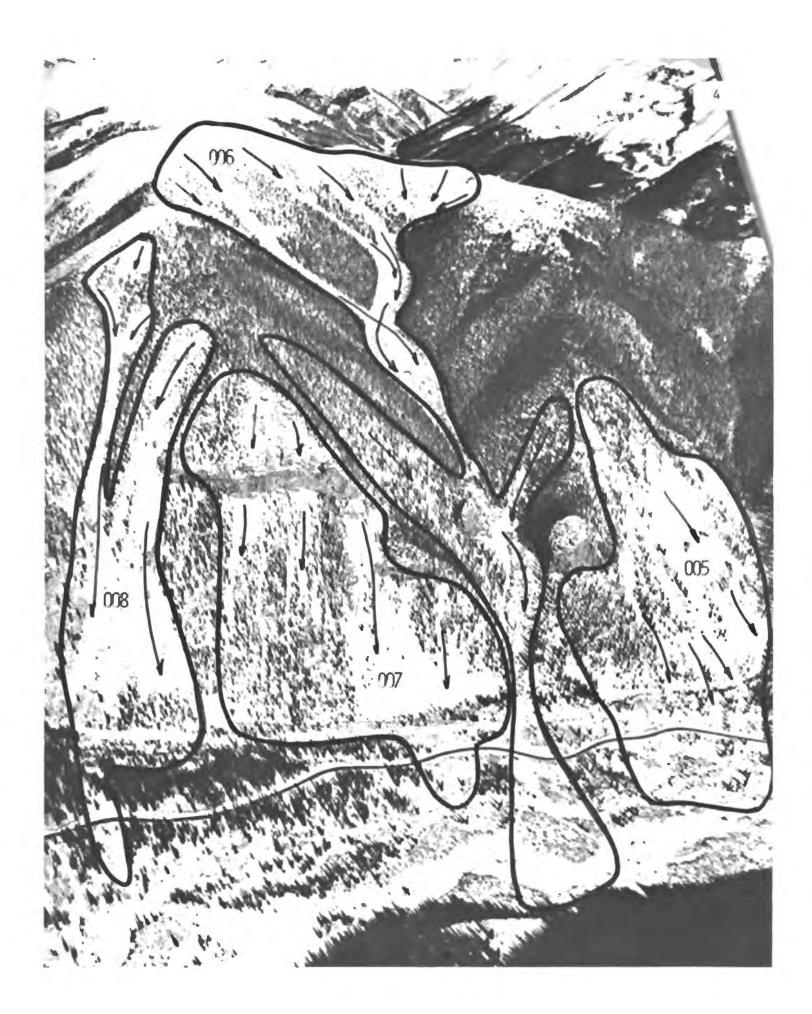
| PATH NAME ('s): Thirty | | | | | | | |
|---|--|--|--|--|--|--|--|
| Path Reference Number: 152005 Zone: IV Area: 15 | | | | | | | |
| Map Number: 1,2 Photograph Number: 3,4 | | | | | | | |
| SPECIFICATIONS: Top Elev.: 10600' Bottom Elev.: 9480' Vertical Fall: 1120' | | | | | | | |
| Length of Path: 1953' Number of Starting Zones: 3 | | | | | | | |
| Starting Zone Track Runout Zone | | | | | | | |
| Slope Angle 34° 40° 15° | | | | | | | |
| Area Acres 28 Mean Width 2000' Area Acres 37 | | | | | | | |
| Length 781' | | | | | | | |
| Tree Line B B B | | | | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | | | |
| Starting Zone: Broad, v-shaped depression, cliffs, rock outcrops, talus and moderate coniferous | | | | | | | |
| Track: Broad, v-shaped depression, talus, heavy aspen and light coniferous | | | | | | | |
| | | | | | | | |
| Runout Zone: Broad open slope, moderate aspen and coniferous | | | | | | | |
| | | | | | | | |
| HISTORY: III. events: 4 | | | | | | | |



| PATH NAME ('s) | : Zuni | | | | | |
|----------------------------------|---------------------------------------|-----------------------------|---------------|----------|--------|---------------|
| Path Reference | Number: 15 | 52 00 6 Zo | ne:I | V A | rea: _ | 15 |
| Map Number: | 1,2 Pho | otograph Numbe | er: | W | | |
| SPECIFICATIONS | | 0/0 | | | | 20201 |
| Top Elev.: 124 | | | | | | 2920 |
| Length of Path | : 7585' | Number of Sta | rting Zo | nes: | 6 | |
| <u>\$</u> | Starting Zon | <u>ie</u> | Track | | Runc | out Zone |
| Slope Angle | 34° | | 22° | | | 12° |
| Area Acres | 57 | Mean Width | 300' | Area A | cres_ | 11 |
| | | Length | 5385' | | | |
| Tree Line | A | | В | | | В |
| TERRAIN AND VE | GETATION COV | ÆR: | | | | |
| Starting Zone: small rock out | | | | | elow 1 | idge line, fe |
| DMGII 10011 042 | eropo, grao | o and right of | JII 2 2 0 0 0 | pozo. | | |
| Track: V-shape coniferous | d depression | n, large rock | outcrops | , moder | ate as | spen and |
| confierous | | | | | | |
| | | | | | | |
| Runout Zone: B | road open s | lope, moderate | e to heav | y aspen | and o | coniferous |
| HISTORY: I. | winter, 193 | 32, crossed hi | ghway | | | |
| II. | January, 1 (Silverton | 952, covered l Standard) | nighway 8 | -10' de | ep, 20 | 00' length |
| , III. | events: 2 highway: 0 full-track | ; 1 | | | | |

| PATH NAME ('s): | Hopi | | | | |
|-----------------------------------|----------------------------------|------------------------------|---------------|---------------|--------------|
| Path Reference | Number: <u>1520</u> | 07 Zo | ne: <u>IV</u> | Area: | 15 |
| Map Number: 2 | Phot | ograph Numbe | r: <u>3,4</u> | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1040 | 00' Bottom | Elev.: 9560 | Ve: | rtical Fall: | 840' |
| Length of Path: | 2169' N | umber of Sta | rting Zo | nes: 2 | |
| <u>s</u> | tarting Zone | | Track | Run | out Zone |
| Slope Angle | 31° | | 37° | Nagaran. | 22° |
| Area Acres | 9 | Mean Width | 800' | Area Acres_ | 12 |
| | | Length | 5001 | | |
| Tree Line | В | | B | | В |
| TERRAIN AND VEG | ETATION COVE | R: | | | |
| Starting Zone: with cliffs bel | Open slope, ow | large rock o | outcrops, | talus, ligh | nt coniferou |
| Track: Open sl moderate conife | ope, rock out rous and aspe | cc rops, la rge en | boulder | rs, talus, li | ght to |
| Runout Zone: Baspen and willow | | ope, light co | niferous | , moderate t | o heavy |
| HISTORY: III. | events: 6 highway: 0 full-track: | 2 | | | |

| PATH NAME ('s): | Camp | | |
|---------------------------------|--|-------------------|-----------------|
| Path Reference | Number: 152008 Z | one: <u>IV</u> A | rea: <u>15</u> |
| Map Number: 2 | Photograph Numb | er: <u>4,5</u> | • |
| SPECIFICATIONS: Top Elev.: 1180 | 00' Bottom Elev.: 94 | 50' Vertical I | Fall: 2200' |
| Length of Path: | 5189' Number of St | arting Zones: | 3 |
| <u>s</u> | tarting Zone | Track | Runout Zone |
| Slope Angle | 34° | 30° | 15° |
| Area Acres | Mean Width | 500' Area Ad | cres_40 |
| | Length | 2778' | |
| Tree Line | B | В | B |
| TERRAIN AND VEG | ETATION COVER: | | |
| Starting Zone: coniferous | Three broad depressions | s, rock outcrops, | talus and light |
| | shallow depression, veropen slope, rock outcre | | |
| Runout Zone: O | pen slope, moderate to 1 | neavy coniferous, | aspen and grass |
| HISTORY: III. | events: 6 highway: 0 full-track: 2 | | |



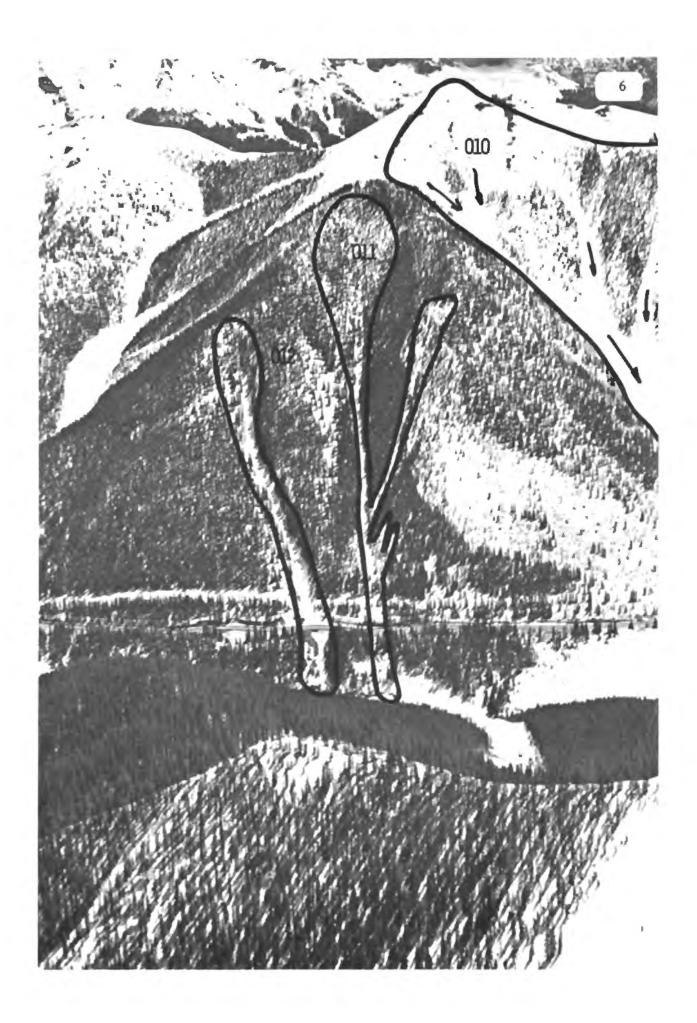
| PATH NAME ('s): | Lower Ce | ement Fill | | | | | |
|------------------|--|------------------|-------------|---------|--------|-----------------|-------|
| Path Reference l | Number: | 152009 Zo | ne: | IV | Area: | 14 | |
| Map Number: 2 | ************************************** | Photograph Numbe | r: <u>5</u> | | | | |
| | | ttom Elev.: 960 | | | | | - |
| | | Number of Sta | | | | | |
| | tarting | Zone | Track | | | out Zone | |
| Slope Angle | 340 | | 340 | | | 25 ⁰ | |
| Area Acres | 10 | Mean Width | | | Acres_ | 13 | |
| | | Length | 1803' | | | | |
| Tree Line | В | | В | | - | В | |
| TERRAIN AND VEG | ETATIÓN (| COVER: | | | | | |
| Starting Zone: | Open sl | ope, moderate co | niferou | s | | | |
| Track: Broad g | ully, mo | derate coniferou | s and as | spen | | | |
| Runout Zone: 0 | pen slop | e, moderate to h | eavy coi | niferou | is and | aspen and | grass |
| III. | crossed events: highway: full-tra | | | | | | |

| PATH NAME ('s): Cement Fill | | | |
|--|----------------|--------------|----------------|
| Path Reference Number: 152010 Zo | one: <u>IV</u> | Area: | 14 |
| Map Number: 2 Photograph Number | er: <u>5,6</u> | ,7 | |
| SPECIFICATIONS: Top Elev.: 12400' Bottom Elev.: 964 | 40' Vei | ctical Fall: | 2760' |
| Length of Path: 6333' Number of Sta | arting Zoi | nes: 5 | |
| Starting Zone | Track | Rune | out Zone |
| Slope Angle 24° | | • | 210 |
| Area Acres 92 Mean Width | 400' | Area Acres_ | 30 |
| Length | 2370 | | |
| Tree Line A | В | - | В |
| TERRAIN AND VEGETATION COVER: | | | |
| Starting Zone: Broad open slope contain Upper portion: talus, small rock outcomer portion: moderate coniferous and | rops | parate broad | v-shaped basi |
| Track: Broad open slope, small conifer | ous and g | rass | |
| Runout Zone: narrowing gully, small co | niferous, | bare ground | , light willow |
| HISTORY: II. crossed highway: 17 | | | |
| <pre>III. events: 12 highway: 3 full-track: 4</pre> | | | |



| PATH NAME ('s): | Barton So | ıth | | | | | |
|--|----------------------|----------|---------|-----------------|--------|---------|---------|
| Path Reference N | umber: 1520 | 011 | Zoı | ne:IV | · | Area: _ | 14 |
| Map Number: 2 | Phot | ograph | Number | r: <u>5,6</u> , | 7 | | |
| SPECIFICATIONS: | | | | | | | |
| Top Elev.: 11600 | Botton | Elev.: | 1000 | 0' Ve | rtical | l Fall: | 1600' |
| Length of Path: | 3578' N | lumber o | of Star | rting Zo | nes: _ | 2 | _ |
| <u>St</u> | arting Zone | <u>.</u> | | Track | | Runo | ut Zone |
| Slope Angle | 27° | | | 25° | | | 8° |
| Area Acres | 8 | Mean W | lidth | 100' | Area | Acres_1 | .6 |
| | | Len | ngth | 2102 | | | |
| Tree Line | В | | | В | | **** | В |
| TERRAIN AND VEGE | TATION COVE | :R: | | | | | |
| | | | ed guli | lies, mo | derate | conife | rous |
| Starting Zone: Two narrow v-shaped gullies, moderate coniferous Track: Narrow v-shaped gully, light willows | | | | | | | |
| Runout Zone: bed | of Mineral | Creek, | , bare | ground | | | |
| | events: 1 highway: (| | | | | | |

| PATH NAME ('s): | Barton North | | |
|--------------------------------|--|--------------------|--------------------|
| Path Reference | Number: 152012 Zo | one: Are | a: <u>14</u> |
| Map Number: | Photograph Number | er:6,7 | |
| SPECIFICATIONS: Top Elev.: 112 | 200' Bottom Elev.: 980 | O' Vertical Fa | 11: 1400' |
| Length of Path: | 2953' Number of Sta | arting Zones: 1 | Marie and a second |
| <u>s</u> | tarting Zone | Track | Runout Zone |
| Slope Angle | | 27° | 27° |
| Area Acres | Mean Width | 100' Area Acre | es_1.5 |
| | Length | 1565' | |
| Tree Line | B | B | B |
| TERRAIN AND VEG | ETATION COVER: | | |
| Starting Zone: | | | |
| Track: V-shape ground | ed gully, small light as | pen and coniferous | , grass and bare |
| Runout Zone: Be | ed of Mineral Creek, gras | ss and bare ground | |
| | crossed highway: 6 events: 2 highway: 0 full-track 0 | | |
| | | | |

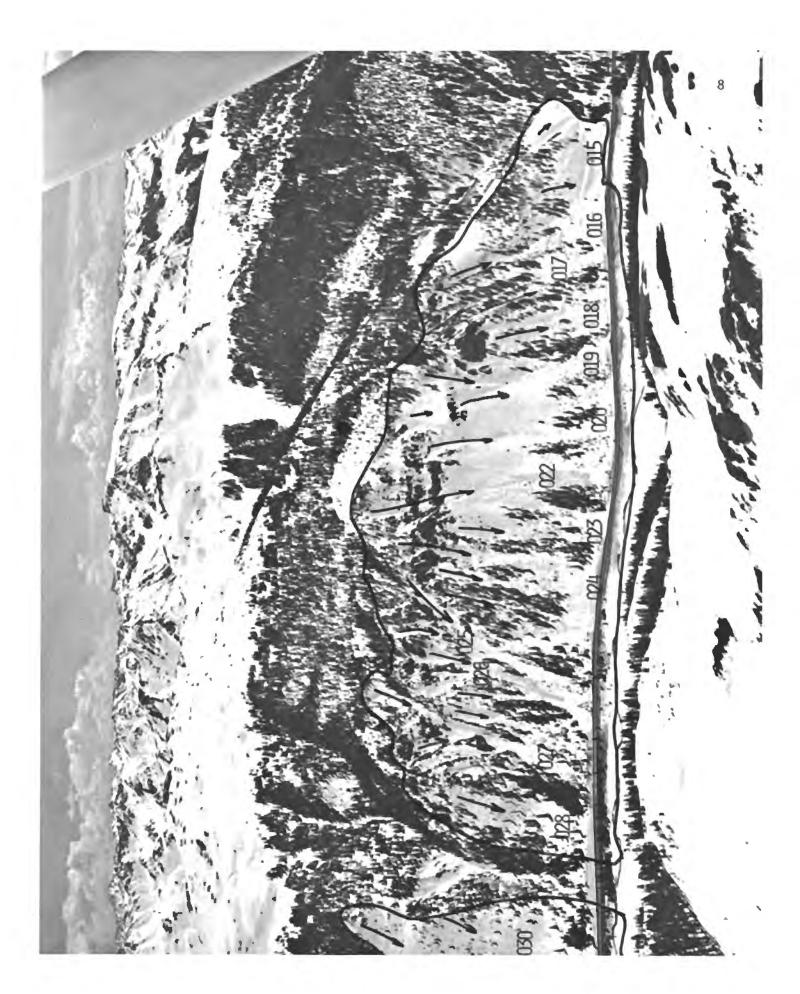


| PATH NAME ('s | s): Blackbur | n | | | | |
|---|--|-----------------------------------|---------------------|--------------------|---------------|------|
| Path Reference | e Number: 15 | 2013 Zo | ne:I | .V Area | :12 | |
| Map Number: _ | 3 Ph | otograph Numbe | r: | | | |
| SPECIFICATION | | om Elev.: 1000 | 00' v | ertical Fal | 1. 600' | |
| | _ | Number of Sta | | | | |
| | Starting Zo | | Track | | unout Zone | |
| Slope Angle | 22° | age of the second | 34° | | 11° | |
| Area Acres | 2 | Mean Width | 200' | Area Acres | 2.5 | |
| | | Length | 721' | | | |
| Tree Line | В | | В | | В | |
| TERRAIN AND V Starting Zone Track: Open s | : Open slope | e, heavy conife | rous | | | |
| Runout Zone: | Open slope, | , light conifer | ous | | | |
| HISTORY: I. | In late 1930 was pushed o | o's, Bill Black off highway by | burn of this sli | the highway ide | y maintenance | crew |
| II. | crossed high | way: 4 | | | | |
| III. | events: 3 highway: 3 full-track: | 2 | | | | |

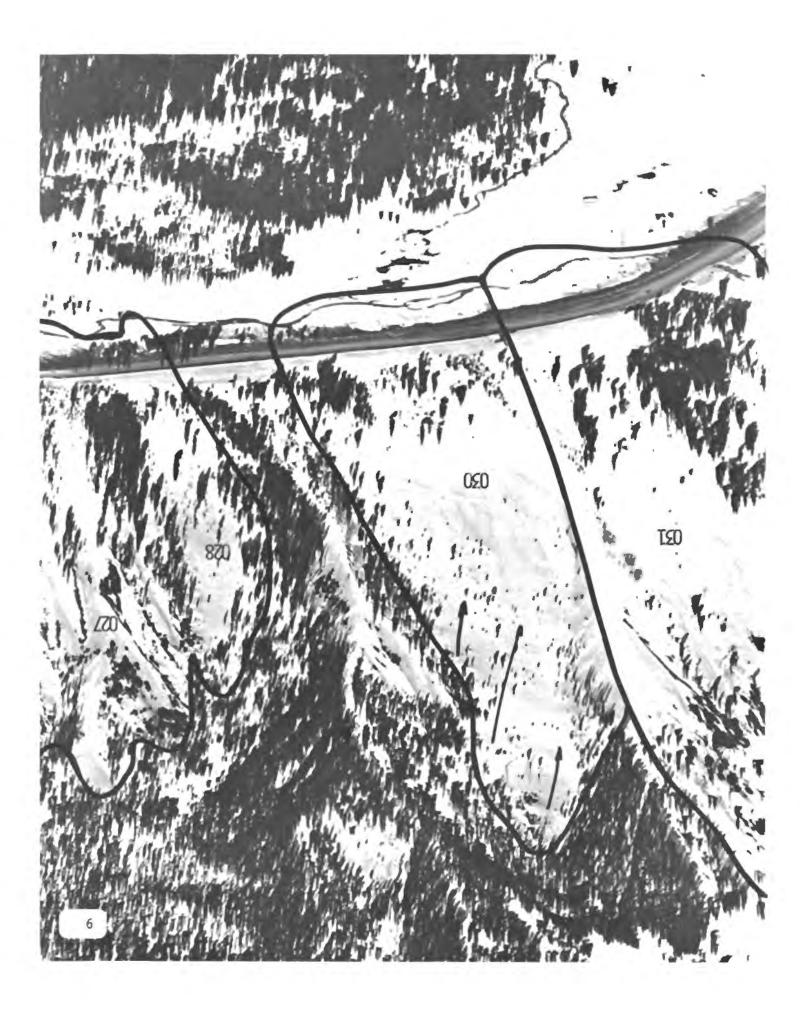
| :(a') AMAN HTAG | Benny Long | | | | | |
|---|-----------------------------|-------------------|---------------------|----------|--|--|
| Path Reference N | Tumber: 152014 | Zone: I | V Area: | 12 | | |
| Map Number: 3 | Photograp | h Number: 7 | | | | |
| SPECIFICATIONS: Top Elev.: 1060 | O' Bottom Elev | .: 10000' V | ertical Fall: | 6001 | | |
| Length of Path: | 1342' Number | of Starting Z | ones: 3 | | | |
| St | arting Zone | Track | Rune | out Zone | | |
| Slope Angle | 31° | 37° | | 18° | | |
| Arca Acres | 5 Mean | Width 1800' | Area Acres <u>1</u> | 3 | | |
| | L | ength <u>500'</u> | | | | |
| Tree Line | В | В | | В | | |
| TERRAIN AND VEGE | TATIÓN COVER: | | | | | |
| Starting Zone: B | road open slope, | light to moder | ate coniferou | s | | |
| Track: Broad open slope, light coniferous | | | | | | |
| Runout Zone: Bro | oad open slope, h | eavy willows | | , | | |
| | crossed highway: | 6 | | | | |
| 1 | highway: 2 full-track: 2 | | | | | |



| PATH NAME ('s): | Brooklyns | | | | |
|---|---|--------------|--------------|-------------------------------------|--|
| Path Reference Number: 152015-028 Zone:IV Area:11 | | | | | |
| Map Number: 3 | Photo | ograph Numbe | r: <u>8</u> | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1146 | DO' Bottom | Elev.: 1015 | O' Vertic | al Fall: 1250' | |
| Length of Path: | | mber of Sta | rting Zones: | Multiple | |
| <u>s</u> | tarting Zone | | Track | Runout Zone | |
| Slope Angle | | | | | |
| Area Acres | .25 | Mean Width | 300' Are | a Acres | |
| | | Length | 500' | | |
| Tree Line | <u>B</u> | | B | <u>B</u> | |
| TERRAIN AND VEG | ETATION COVER | ₹: | | | |
| Starting Zone: and talus. | Steep open s | lopes and gu | llies with r | ock outcrops | |
| Track: Open slop talus. | p es an d shall | ow gullies w | ith light co | niferous and | |
| Runout Zone: Br | road open mea | dow with lig | ht coniferou | s, willows and | |
| HISTORY: I. | | | | ug out alive hway, driver jumped | |
| II. | crossed high | way: 106 | | | |
| | events: 321 highway: 49 full-track: | 122 | | | |



| PATH NAME ('s): Cemetery | | | | | | |
|---|--|----------------------|--------------|--|--|--|
| Path Reference N | Number: 152030 Zo | one: <u>IV</u> Area: | 11 | | | |
| Map Number: 3 | Map Number: 3 Photograph Number: 8,9,10 | | | | | |
| SPECIFICATIONS: Top Elev.: 11200' Bottom Elev.: 10200' Vertical Fall: 1000' | | | | | | |
| Length of Path: | Number of Sta | arting Zones: 3 | | | | |
| St | tarting Zone | Track Ru | nout Zone | | | |
| Slope Angle | | 34° | 14° | | | |
| Area Acres | Mean Width | 900' Area Acres | , 13 | | | |
| | Length | 721' | | | | |
| Tree Line | В | B | В | | | |
| TERRAIN AND VEGE | ETATION COVER: | | | | | |
| Starting Zone: coniferous and | Narrow open slope, rock grass | outcrop and small o | cliffs, ligh | | | |
| Track: Broadening open slope, very light small coniferous and grass | | | | | | |
| Runout Zone: B Lower portion: | road open slope. Upper willows | portion: moderate | coniferous; | | | |
| HISTORY: II. | crossed highway: 6 | | | | | |
| ; | events: 7 highway: 0 full-track: 3 | | | | | |



| PATH NAME ('s): | First Twin | Crossing | | | |
|--|---|--------------|------------|-------------|---------|
| Path Reference N | umber: 1520 | 31 zo | nc: IV | Area: | 11 |
| Map Number: 3 Photograph Number: 9,10 | | | | | |
| SPECIFICATIONS: Top Elev.: 12100' Bottom Elev.: 10200' Vertical Fail: 1900' | | | | | |
| Length of Fath: | 2983 ' Nu | mber of Sta | rting Zone | s: <u>3</u> | - |
| St | arting Zone | | Track | Runo | ut Zone |
| Slope Angle | 38° | | 28° | | 11° |
| | | Mean Width | 800' A | rea Acres | 7 |
| | | Length | 2945' | | |
| Tree Line | A | | В | | В |
| TERRAIN AND VEGE | TATIÓN COVER | : | | | |
| Starting Zone: (coniferous and | | ith slight d | epressions | and cliffs | , light |
| Track: Broad open slope, light coniferous and grass | | | | | |
| Runout Zone: Broad open slope, willows | | | | | |
| HISTORY: II. | crossed highw | vay: 4 | | | |
| 1 | events: 20 highway: 0 full-track: | 4 | | | |

| PATH NAME ('s): | Second Twi | n Cross | ing | | | | |
|---|-------------------------------------|----------|---------|---------|---|---------|---------|
| Path Reference 1 | | | | ie: | IV | Area: _ | 11 |
| Map Number: 3 | Pho | tograph | Number | : 10 | 1000 VIII VIII VIII VIII VIII VIII VIII | | |
| SPECIFICATIONS: Top Elev.: 1200 Length of Path: | | | | | | | 1800' |
| Si | tarting Zon | e | | Track | | Runo | ut Zone |
| Slope Angle | | | | 32° | | | 110 |
| Area Acres | 12 | Mean | Width | 200 ' | Area | Acres 1 | 2 |
| | | Le | ngth | 1533' | | | |
| Tree Line | A | | | В | | | В |
| TERRAIN AND VEG | pen slope v | | ight de | pressio | ns and | cliffs, | light |
| coniferous and | grass | | | | | | |
| Track: Broad op | en slope, l | light co | onifero | us and | grass | | |
| Runout Zone: F | Broad open s | slope, v | villows | | | | |
| HISTORY: III. | events: 2 highway: full-track | 0 | | | | | |

| PATH NAME ('s): | North Minera | 1 Bridge | | | |
|----------------------------------|---|-------------|--------------|------------|--------------------|
| Path Reference | Number: <u>15203</u> | <u>3</u> Zo | ne: <u>I</u> | v Area | a: <u>11</u> |
| Map Number: 3 | Photog | graph Numbe | r: <u>10</u> | | |
| SPECIFICATIONS: | } | | | | |
| Top Elev.: 120 | 00' Bottom E | Elev.:103 | 300' Ve | rtical Fal | 11: 1700' |
| Length of Path: | 3276' Num | mber of Sta | rting Zo | nes: 2 | Managar (Millians) |
| <u>s</u> | Starting Zone | | Track | Ī | Runout Zone |
| Slope Angle | <u>38°</u> | | | | 9° |
| Area Acres | <u>18</u> | Mean Width | 700' | Area Acro | 2s_7 |
| | | Length | 1347' | | |
| Tree Line | <u>A</u> | | B | | В |
| TERRAIN AND VEG | GETATION COVER: | : | | | |
| Starting Zone: coniferous and | | ith slight | depressi | ons and c | liffs, light |
| Track: Broad o | pen slope, lig | ht conifero | ous and g | rass | |
| Runout Zone: B | road open slop | e, moderate | e conifer | ous | |
| HISTORY: II. | crossed highwa | y: 5 | | | |
| | events: 53 highway: 0 full-track: 1 | 4 | | | |

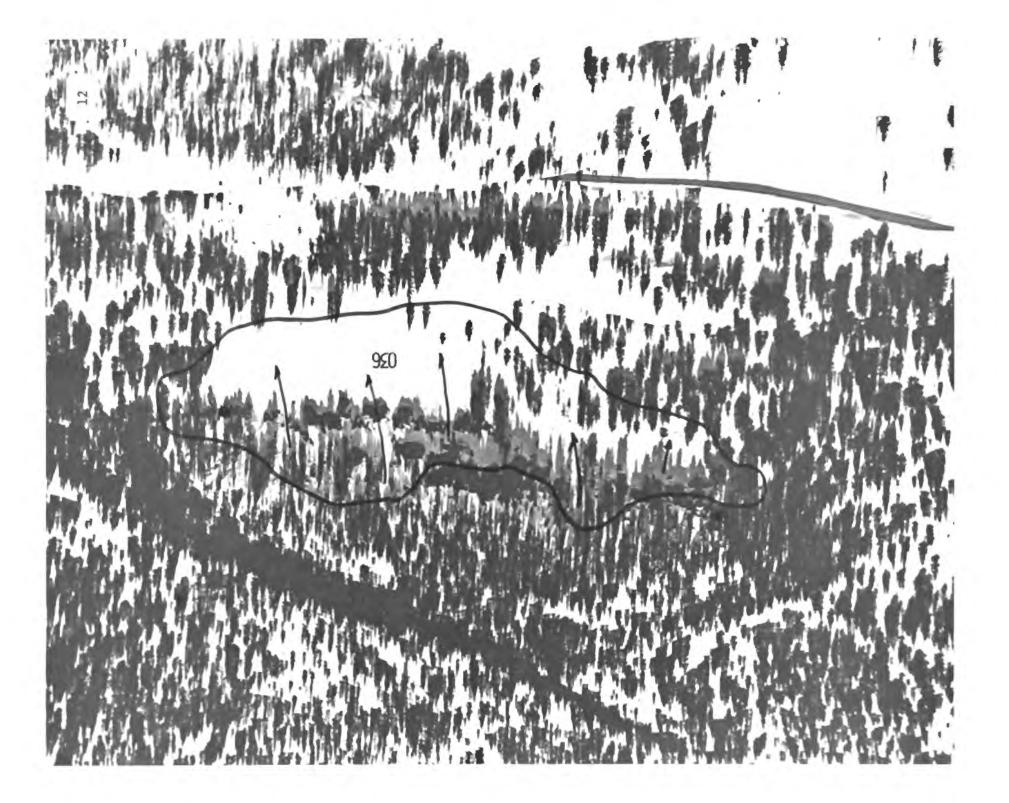


| PATH NAME ('s): | Archie | | |
|------------------------|--|---------------------|----------------------|
| Path Reference N | Number: 152034 Zo | ne: IV Area: | 10 |
| Map Number: | 3 Photograph Number | r: 10,11 | |
| | 0' Bottom Elev.: 113 583' Number of Sta | | : 300' |
| St | arting Zone | <u>Track</u> Ru | inout Zone |
| Slope Angle | 40° | 31° | 270 |
| Area Acres | 2 Mean Width | 800 Area Acres | , 1.5 |
| | Length | 233' | |
| Tree Line | В | В | В |
| TERRAIN AND VEGE | ETATION COVER: | | |
| Starting Zone: willows | Broad, slightly rolling | convex-concave slop | oe, talus and |
| Track: Broad op | en slope, rock outcrops, | cliffs, talus, lig | ght coniferous |
| Runout Zone: Br | oad open slope, rock out | crops, cliffs, talu | ıs, light coniferous |
| HISTORY: III. | events: 4 highway: 0 full-track: 4 | | |

| PATH NAME ('s): | U S Basin | | | | | | |
|---|--------------|----------|-------|---------------|--------|--------|----------|
| Path Reference N | umber: 1520 | 035 | _ Zo | ne: I | V | Λrea: | 10 |
| Map Number: | 3 Photo | ograph l | Numbe | r: <u>10,</u> | 11 | | |
| SPECIFICATIONS: Top Elev.: 12000 | Bottom | Elev.: | 1160 | 00' Ve | rtical | Fall: | 400' |
| Length of Path: | 894' N | umber o | f Sta | rting Zo | nes: _ | 11 | |
| <u>St</u> | arting Zone | | | Track | | Run | out Zone |
| Slope Angle | 42° | | | 17° | | • | complex |
| Area Acres | 9 | Mean W | idth | 2000' | Area | Acres_ | 8 est. |
| | | Leng | gth | 1046' | | | |
| Tree Line | A | | | <u>A</u> | | | В |
| TERRAIN AND VEGE | TATION. COVE | R: | | | | | |
| Starting Zone: B | road open s | lope, c | liffs | | | | |
| Track: Broad open slope, grass | | | | | | | |
| Runout Zone: Broad open slope, moderate to heavy coniferous | | | | | | | |
| 1 | events: 13 | 7 | | | | | |



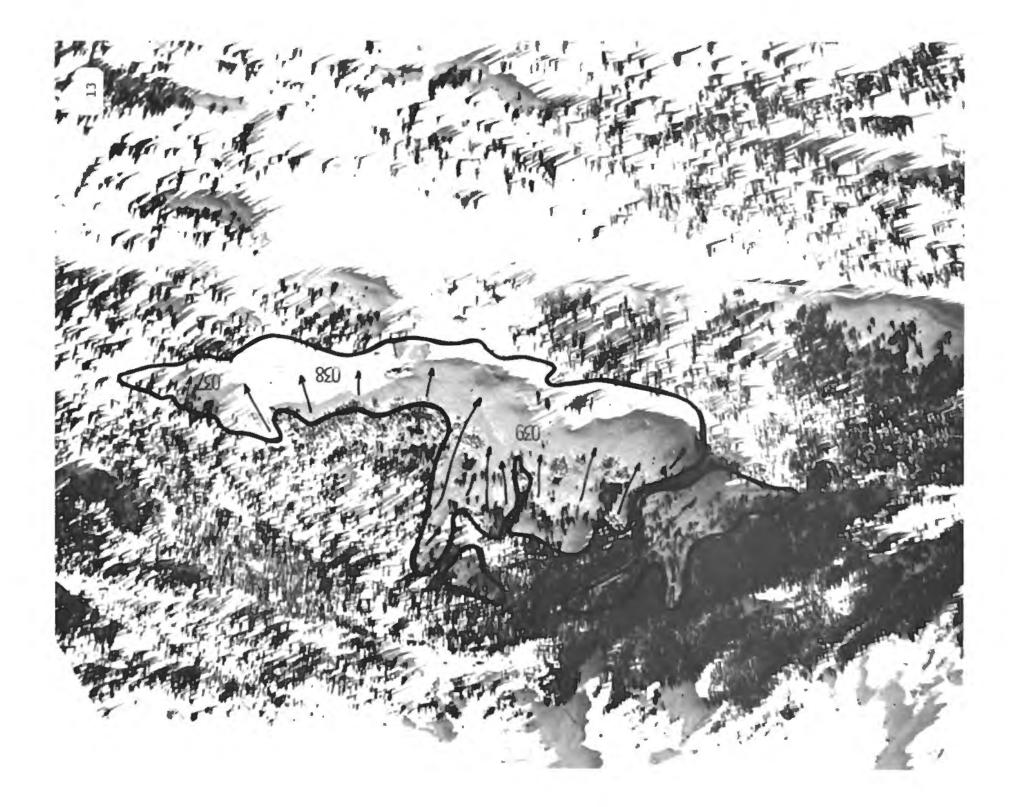
| PATH NAME ('s): | Big Horn | | | | | |
|------------------|------------------------|--------------|--------------|-----------------------|----------|--------|
| Path Reference ! | Number: 1520 | 036 Zo | ne:I | <u>ν</u> Λ r α | ra:9 | 1 |
| Map Number: 3 | Phot | ograph Numbe | r: <u>12</u> | | | |
| SPECIFICATIONS: | 201 | 1106 | | | | • |
| Top Elev.: 1120 | | | | | | |
| Length of Path: | 360' N | umber of Sta | rting Zo | mes:5 | | |
| <u>S</u> 1 | tarting Zone | | <u>Track</u> | | Runout Z | one |
| Slope Angle | 38° | | 220 | | _15° | |
| Area Acres | 2 | Mean Width | 1100' | Area Acr | .es_3 | |
| | | Length | 300' | | | |
| Tree Line | В | | В | | В | |
| TERRAIN AND VEG | ETATION COVE | R: | | | | |
| Starting Zone: | Broad open | slope, cliff | s topped | l by moder | ate coni | ferous |
| | | | | | | |
| Track: Broad o | pen slope, c | liffs and ta | lus | | | |
| | | | | | | |
| | | | | | | |
| Runout Zone: Br | oad open slo | pe, moderate | conifer | ous and g | rass | |
| | | | | | | |
| HISTORY: III. | events: 4 | | | | | |
| | highway: 0 full-track: | | | | | |
| | rull-flack; | ∠ | | | | |



| PATH NAME ('s): | Study Plot | | |
|-----------------------------------|------------------------------------|-----------------------|----------------------|
| Path Reference | Number: <u>152037</u> Zo | ne: <u>IV</u> Area | 1:9 |
| Map Number: 3 | Photograph Numbe | r: <u>13</u> | |
| SPECIFICATIONS: | | | |
| Top Elev.:11400 | Bottom Elev.: 1120 | OO' Vertical Fal | 11:200' |
| Length of Path: | 539' Number of Sta | rting Zones: 1 | Printerly Conditions |
| <u>s</u> | tarting Zone | <u>Track</u> <u>F</u> | Runout Zone |
| Slope Angle | 27° | 23° | _10° |
| Area Acres | .25 Mean Width | 200' Area Acre | es1 |
| | Length | 100' | |
| Tree Line | <u>B</u> | <u>B</u> | <u>B</u> |
| TERRAIN AND VEG | ETATION COVER: | | |
| Starting Zone: coniferous and | Broad open slope with s grass | light depressions, | , light to moderate |
| Track: Broad op coniferous and | oen slope with slight dep grass | ressions, light to | o moderate |
| Runout Zone: Br coniferous and | road open slope with slig grass | ht depressions, li | ight to moderate |
| HISTORY: III. | events: 2 highway: 0 full-track: 1 | | |

| PATH NAME ('s): | Marmot Town | | | | |
|--|------------------------------------|-----------|--------------|---|----------|
| Path Reference N | umber: <u>152038</u> | Zone | e: <u>IV</u> | Area: | 99 |
| Map Number: 3 | Photograp | oh Number | : 13 | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 11400 | D' Bottom Elev | 7.: 11200 | Verti | ical Fall: _ | 200' |
| Length of Path: | 447' Number | r of Star | ting Zones | s: <u>4</u> | |
| St | arting Zone | , 2 | Track | Runou | it. Zone |
| Slope Angle | 55° | - | 45° | - | 0 |
| Area Acres | 2 Mean | n Width _ | 1000' A | rea Acres2 | <u>:</u> |
| | 1 | Length | 280' | | |
| Tree Line | В | - | В | *************************************** | В |
| TERRAIN AND VEGE | TATION COVER: | | | | |
| Starting Zone: I | Broad open slope | , near ve | rtical cl | iff and talu | ıs |
| Track: Broad open slope, talus | | | | | |
| Runout Zone: Broad open slope, grass and willows | | | | | |
| HISTORY: III. | events: 8 highway: 0 full-track: 2 | | | | |

| PATH NAME ('s): | Longfellow | | | |
|-----------------------------------|---|--------------|---------------|---------------------|
| Path Reference 1 | Number: <u>15203</u> | 9 Zo | ne: <u>IV</u> | Λrea: <u>9</u> |
| Map Number: 3 | Photo | ograph Numbe | r: <u>13</u> | |
| SPECIFICATIONS: | 01 | E1 1120 | Ol Vontion | ol 17:11. (001 |
| Top Elev.: <u>1160</u> | | | | |
| Length of Path: | 721' N | umber of Sta | rting Zones: | 10 |
| <u>S</u> 1 | tarting Zone | | Track | Runout Zone |
| Slope Angle | 40° | | _40° | 0 <u>-5°</u> |
| Area Acres | 5 | Mean Width | 1400' Area | a Acres3_ |
| | | Length | 400' | |
| Tree Line | В | | В | В |
| TERRAIN AND VEG | ETATIÓN COVE | R: | | |
| Starting Zone: to moderate con | | | liffs, large | rock outcrops, ligh |
| Track: Narrowin | g open slope | , grass and | bare ground | |
| Runout Zone: B | owl-shaped s | lope, talus, | , boulders an | d bare ground |
| HISTORY: III. | events: 19 highway: 0 full-track: | ı | | |

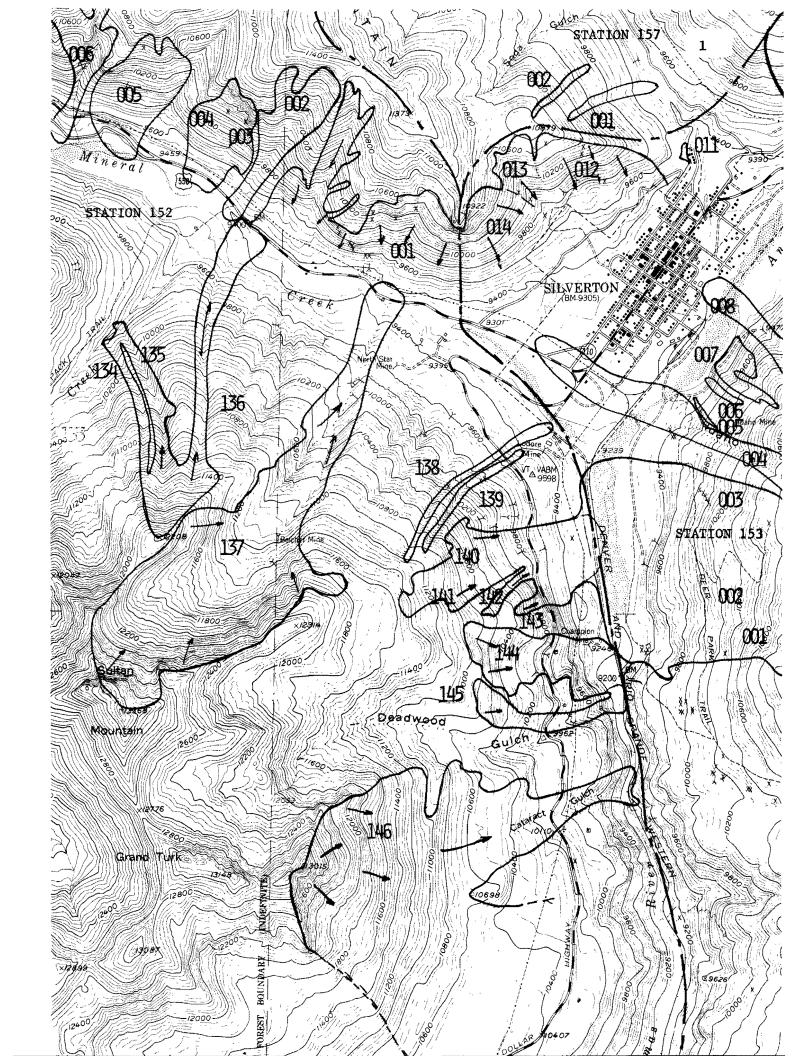


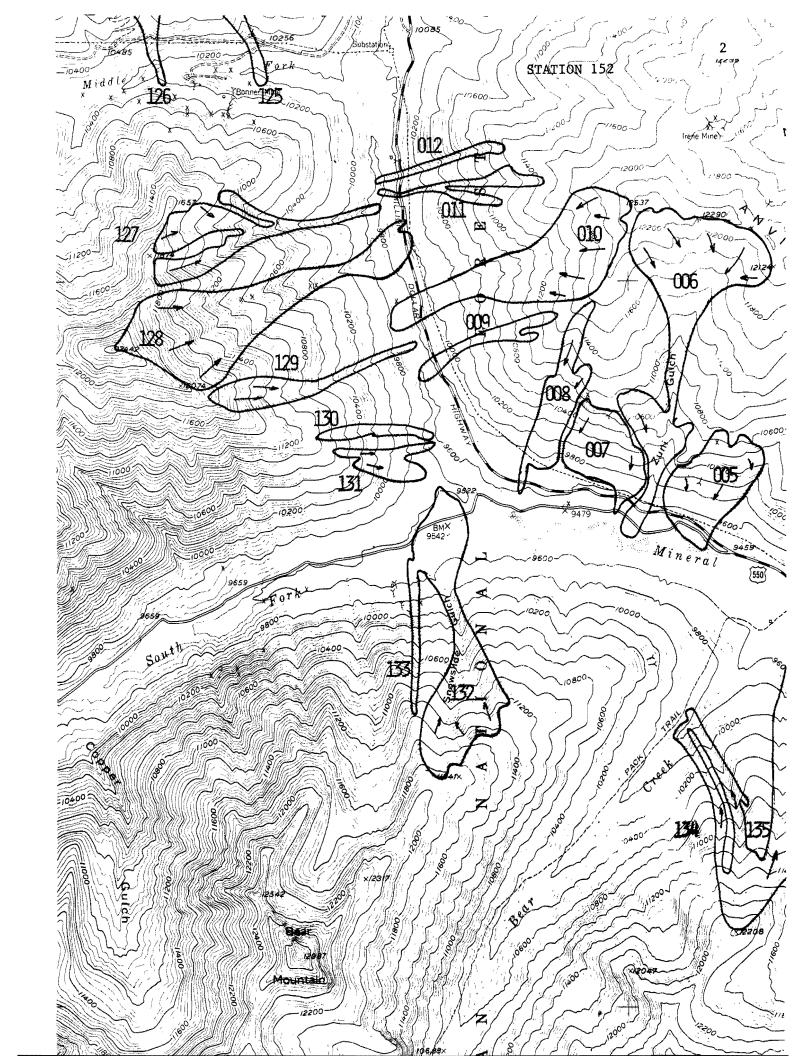
SECTION III

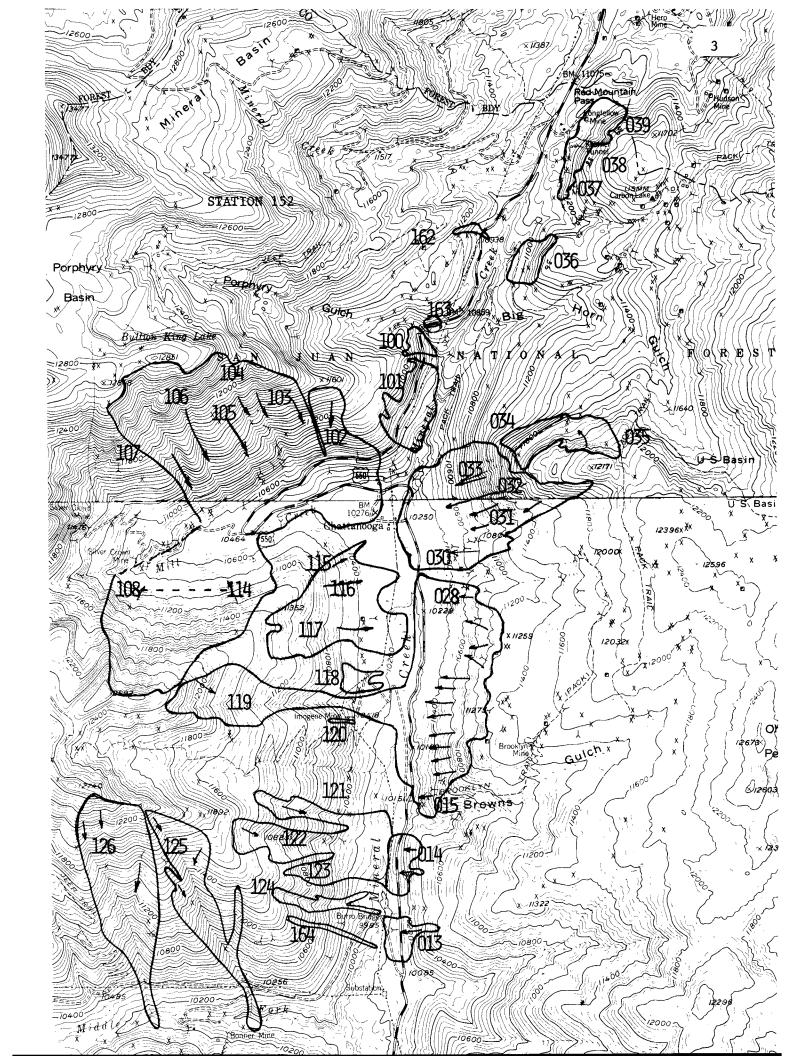
Red Mountain Pass to Silverton west side of U.S. Highway 550

Avalanche paths: 152100 - 152137,

152162 - 152164







| PATH NAME ('s): Runoff | | | | |
|--|--|--|--|--|
| Path Reference Number: 152162 Zone: IV Area: 8 | | | | |
| Map Number: 3 Photograph Number: 14,15 | | | | |
| | | | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 11200' Bottom Elev.: 11000' Vertical Fall: 200' | | | | |
| Length of Path: 538' Number of Starting Zones: 1 | | | | |
| Starting Zone Track Runout Zone | | | | |
| Slope Angle 39° 31° 11° | | | | |
| Area Acres 2.4 Mean Width 200' Area Acres 2 | | | | |
| Length 233' | | | | |
| Tree Line B B B | | | | |
| TERRAIN AND VEGETATION COVER: | | | | |
| Starting Zone: Vertical cliffs with open grass slope below | | | | |
| bearing bone. Vertical critis with open grass stope below | | | | |
| | | | | |
| Track: Open grass slope and talus | | | | |
| | | | | |
| | | | | |
| Runout Zone: Broad depression, talus and grass | | | | |
| | | | | |
| HTCMODY. | | | | |
| HISTORY: | | | | |



| PATH NAME ('s): | Silver Ledg | e Mine Nort | h | | | |
|------------------------------------|--------------------|--------------|---------------|------|---------|----------|
| Path Reference I | Number: <u>152</u> | 163 Zo | one: | IV | Area: _ | 6 |
| Map Number:3 | Photo | ograph Numbe | er: <u>14</u> | ,15 | | |
| SPECIFICATIONS: Top Elev.: 110 | | | | | | |
| Length of Path: | 417' Nt | umber of Sta | arting Zo | mes: | 2 | _ |
| <u>S1</u> | tarting Zone | | Track | | Runo | out Zone |
| Slope Angle | | | | | **** | 110 |
| Area Acres | 1.25 | Mean Width | 6001 | Area | Acres_2 | 2.3 |
| | | Length | 128' | | | |
| Tree Line | B | | B | | | В |
| TERRAIN AND VEGI | ETATION COVER | R: | | | | |
| Starting Zone: | Open grassy | talus slope | | | | |
| Track: Open grassy talus slope | | | | | | |
| Runout Zone: Broad open fill slope | | | | | | |
| HISTORY: | | | | | | |

| PATH NAME ('s): | Silver Led | ge Mine | | | |
|--|--------------|---------------|--------------|-----------|------------------|
| Path Reference 1 | Number: 152 | 100 Zo | ne: IV | _ Area: | 6 |
| Map Number: 3 Photograph Number: 15,16 | | | | | |
| SPECIFICATIONS: Top Elev.: 11000 Length of Path: | | | | | |
| | tarting Zone | | Track | | nout Zone |
| Slope Angle | | | 31° | | 31° |
| Area Acres | 1.1 | Mean Width | 500' Are | ea Acres_ | 1 |
| | | Length | 580' | | |
| Tree Line | В | | В | _ | B |
| TERRAIN AND VEGI | ETATION COV. | ER: | | | |
| Starting Zone: small rock outc | | | | d by larg | ge rock outcrop, |
| Track: Narrowi | ng gully, 1 | ight comiferd | ous, rock ou | tcrops | |
| Runout Zone: Broadening gully, light coniferous, grass and bare ground | | | | | |
| HISTORY: II. crossed highway: 15 III. events: 20 highway: 8 full-track: 5 | | | | | |

| PATH NAME ('s): Rockwall | | | | | | |
|---|---|-----------------|----------------------------|--|--|--|
| Path Reference Number: 152101 Zone: IV Area: 6 | | | | | | |
| Map Number: | 3 Photograph Number | r: <u>15,16</u> | - | | | |
| SPECIFICATIONS | : | | | | | |
| Top Elev.: 111 | 00' Bottom Elev.: 1050 | O' Vert | ical Fall: 600' | | | |
| Length of Path | : 1342' Number of Sta | rting Zones | s: | | | |
| | Starting Zone | Track | Runout Zone | | | |
| Slope Angle | 37° | 34° | 31° | | | |
| Area Acres | 1.8 Mean Width | 1600' A | rea Acres 19 | | | |
| | Length | 720' | | | | |
| Tree Line | В | В | <u> </u> | | | |
| TERRAIN AND VE | GETATION COVER: | | | | | |
| Starting Zone: coniferous and | Broad open slope with se grass | veral v-sha | aped drainages, light | | | |
| Track: Broad o | open slope with several v- | shaped dra | inages, light coniferous | | | |
| Runout Zone: Open slope, boulders, light to moderate coniferous and grass | | | | | | |
| HISTORY: I. | Silver Ledge Mine tramway | damaged: | January 1910 March 1912 | | | |
| II. | crossed highway: 19 | | | | | |
| III. | events: 45 highway: 22 full-track: 16 | | | | | |



| PATH NAME ('s |): Silver Ledge Mill | | | | |
|---|------------------------------------|------------------|-------------|--|--|
| Path Referenc | e Number: 152102 Z | one: <u>IV</u> A | rea: 6 | | |
| Map Number: _3 | Photograph Numb | er: <u>16,17</u> | | | |
| SPECIFICATION Top Elev.: 116 | S: 500' Bottom Elev.: 104 | 00' Vertical | Fall: 1200' | | |
| Length of Pat | h: 2773' Number of St | arting Zones: | 2 | | |
| | Starting Zone | Track | Runout Zone | | |
| Slope Angle | 39° | 38° | 25° | | |
| Area Acres | 3 Mean Width | 800' Area A | cres_6 | | |
| | Length | 1650' | | | |
| Tree Line | В | В | B | | |
| TERRAIN AND V | EGETATION COVER: | | | | |
| Starting Zone | : Broad open slope, light | coniferous and | grass | | |
| Track: Broad open slope. Upper portion: grass; lower portion, grass and talus | | | | | |
| Runout Zone: | Broad open slope, light w | illows and grass | 1 | | |
| | | | | | |
| HISTORY: II. | crossed highway: 4 | | | | |
| | events: 5 highway: 3 full-track: 4 | • | | | |



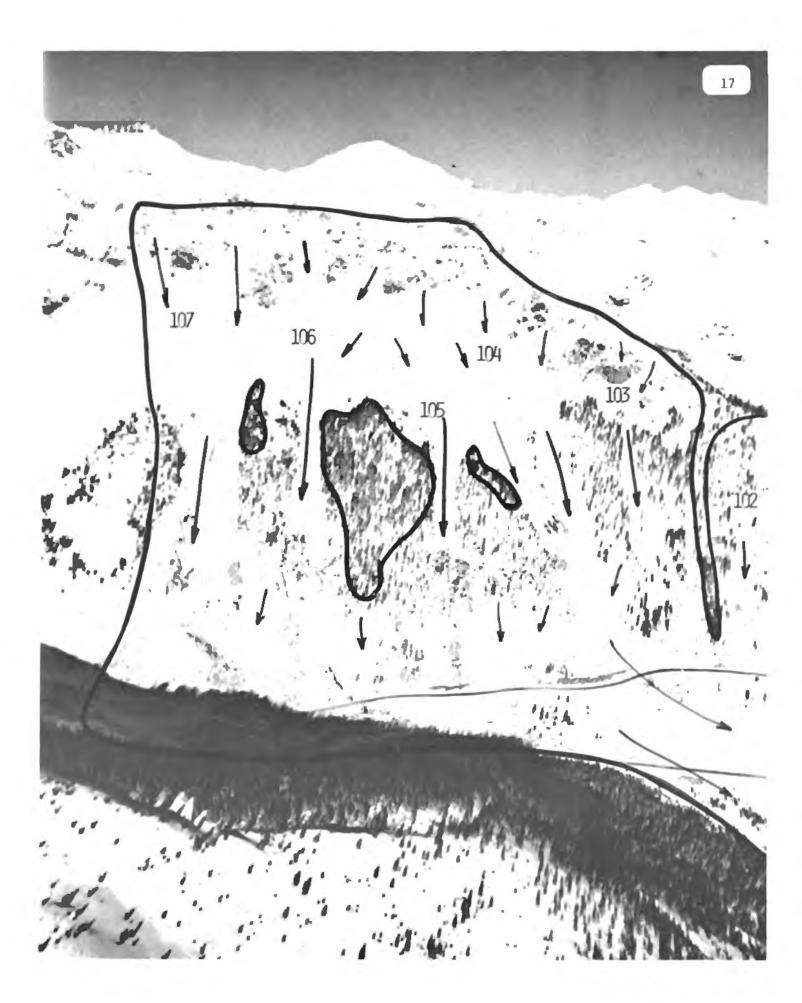
| PATH NAME ('s) | Porcupine | | | | |
|--|---|--------------------|---|--|--|
| Path Reference | Number: 152103 Zo | one: <u>IV</u> Arc | ea:6 | | |
| Map Number: 3 Photograph Number: 16,17 | | | | | |
| SPECIFICATIONS: | : | | | | |
| Top Elev.: 1200 | 00' Bottom Elev.: 104 | 00' Vertical Fa | 111: 1600' | | |
| Length of Path: | Number of Sta | rting Zones: 2 | man | | |
| <u>.</u> | Starting Zone | Track | Runout Zone | | |
| Slope Angle | _39° | _32° | 14 ⁰ | | |
| Area Acres | 7 Mean Width | 400' Area Act | ces7.5 | | |
| | Length | 1887' | | | |
| Tree Line | A | В | В | | |
| TERRAIN AND VEG | GETATION COVER: | | | | |
| Starting Zone: | Broad open basin, light | to moderate coni | ferous | | |
| | | | | | |
| Track: Broad | v-shaped gully, light cor | niferous and aspen | n, grass | | |
| | | | | | |
| | | | | | |
| Runout Zone: B | road open slope, light wi | illows and grass | | | |
| | | | | | |
| HISTORY: I. | 1939, ran simultaneously limbs as far as cabins a highway buried with 11' | at Chattanooga, 1 | | | |
| II. | crossed highway: 7 | | | | |
| III. | events: 8 highway: 5 full-track: 6 | | | | |

| PATH NAME ('s) | Eagle | | | | | | |
|--|--|---|-----------------|-----------------|---------------|-----------------|--|
| Path Reference | Number: | 152104 | Zone | : <u>IV</u> | Are | ea: | 6 |
| Map Number: 3 | 190000 TOO TOO TOO TOO TOO TOO TOO TOO TOO | Photograph N | umbe r: | 16,1 | 7 | | |
| SPECIFICATIONS: | : | | | | | | |
| Top Elev.: 126 | <u>00'</u> Во | ottom Elev.: | 10400' | Ve | rtical Fa | 11: <u>22</u> | 00' |
| Length of Path | 4565' | Number of | Start | ing Zo | nes: <u>3</u> | Were the second | |
| <u> </u> | Starting | Zone | <u>T</u> | rack | | Runout | Zone |
| Slope Angle | 41° | | | 31° | | 14° | - |
| Area Acres | 11 | Mean Wi | dth 5 | 001 | Area Acı | es_35 | State of the State |
| | | Leng | th _ | 2332' | | | |
| Tree Line | <u>A</u> | | _ | В | | В | - |
| TERRAIN AND VEO | GETATION | COVER: | | | | | |
| Starting Zone: | Broad o | pen slope, sm | ooth c | liffs | | | |
| Track: Upper polycomic Lower portion: grass and bare | draina | - | - | | | - | |
| Runout Zone: | Broadeni | ng fan, light | conif | erous, | willows | and gr | ass |
| | | | | | | | |
| HISTORY: I. | avalanc destroy | h, 1884, the he from Indep ed four build ted in the Ea | endenc ings. | e Mt., The I | northwes | t of t | own, which |
| II. | | highway: 35 the winter of | | 1952, | the Eagle | ran 6 | times |
| III. | events: highway full-tr | | | | | | |

| PATH NAME ('s) | Telescope | | | | |
|--|---------------------------------------|-------------------|---------------|--------------|--|
| Path Reference | Number: <u>152105</u> | Zone: | IV Area: | 6 | |
| Map Number: 3 Photograph Number: 16,17 | | | | | |
| SPECIFICATIONS: | : | | | | |
| Top Elev.: 126 | 00 Bottom Elev. | : <u>10400'</u> ' | Vertical Fall | 2200' | |
| Length of Path | 4391' Number o | of Starting 2 | Zones: 2 | | |
| <u>2</u> | Starting Zone | Track | Rus | nout Zone | |
| Slope Angle | 31° | 34° | | 22° | |
| Area Acres | 16Mean W | Width 500' | _ Area Acres | 12 | |
| | Ler | ngth 2163 | 1 | | |
| Tree Line | A | В | | В | |
| TERRAIN AND VEC | SETATION COVER: | | | | |
| Starting Zone: | Open basin, cliffs | and large r | ock outcrops | | |
| | | | | | |
| Track: Upper pgully, rock ou | ortion: narrowing tcrops | basin, grass | ; lower port | ion: incised | |
| Runout Zone: broadening fan, talus, light coniferous and willows | | | | | |
| HISTORY: I. March, 1912, all the buildings of the Telescope Mt. Mine removed by this avalanche. 1939, ran simultaneously with Porcupine (103) throwing tree limbs as far as cabins at Chattanooga, lower switchback of highway buried with 11' of snow. | | | | | |
| II. | crossed highway: | 26 | | | |
| III. | events: 44 highway: 10 full-track: 18 | | | | |

| PATH NAME ('s): | Muleshoe | | | | |
|---|---|-------------------|-------------|--|--|
| Path Reference Number: 152106 Zone: IV Area: 6 | | | | | |
| Map Number: 3 | Photograph Number | er: <u>16,17</u> | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.:12700' | Bottom Elev.: 105 | 00' Vertical Fa | 111: 2200' | | |
| Length of Path: | 4565' Number of St | arting Zones: | 3 | | |
| St | arting Zone | <u>Track</u> | Runout Zone | | |
| Slope Angle | 38° | 31° | 17° | | |
| Area Acres | Mean Width | 400' Area Acr | res_12 | | |
| | Length | 2332' | | | |
| Tree Line | A | B | <u>B</u> | | |
| TERRAIN AND VEGE | ETATION COVER: | | | | |
| Starting Zone: | Open basin, cliffs and | large rock outcro | ps | | |
| | | | | | |
| Track: Upper portion: narrowing basin, grass; lower portion: incised gully, rock outcrops | | | | | |
| Runout Zone: broadening fan, light coniferous and willows | | | | | |
| HISTORY: II. c | rossed highway: 15 | | | | |
| h | vents: 39 ighway: 3 ull-track: 17 | | | | |

| PATH NAME ('s): | Bullion KIn | g, Precious | Metals , | Silver Crow | vn |
|---|---|--------------|----------|--------------|-------------------------|
| Path Reference | Number: <u>1521</u> | <u>07</u> Zo | ne: | IV Area: | 6 |
| Map Number: 3 Photograph Number: 16,17 | | | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1280 | 00' Bottom | Elev.: 1050 | 00' Ve | rtical Fall: | 2300' |
| Length of Path: | 5400' No | mber of Sta | rting Zo | nes:5 | |
| <u>s</u> | tarting Zone | | Track | Rur | out Zone |
| Slope Angle | 32° | | 31° | _ | 15° |
| Area Acres | | Mean Width | 600' | Area Acres_ | 13 |
| | | Length | 2332 | | |
| Tree Line | A | | В | _ | <u>B</u> |
| TERRAIN AND VEG | ETATION COVER | ₹: | | | |
| Starting Zone: | Open basin, o | cliffs and 1 | arge roc | k outcrops | |
| Track: Upper portion: narrowing basin, grass; lower portion: incised gully, rock outcrops | | | | | |
| Runout Zone: b | roadening far | n, talus, li | ght coni | ferous and w | villows |
| | December 1883 near the mine December 1908 | e, one kille | d, two s | urvived. | e caught very amaged |
| | events: 21 highway: 0 full-track: | 12 | | | |



| PATH NAME ('s): Mill Creek Cirque | | | | |
|--|--|--|--|--|
| Path Reference Number: 152108-114 Zone: IV Area: 5 | | | | |
| Map Number: 3 Photograph Number: 18 | | | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 12700' Bottom Elev.: 10600' Vertical Fall: 2100' | | | | |
| Length of Path: 3610' Number of Starting Zones: multiple | | | | |
| Starting Zone Track Runout Zone | | | | |
| Slope Angle 40° 24° | | | | |
| Area Acres 120 Mean Width 2000 Area Acres 8 | | | | |
| Length | | | | |
| Tree Line A B B | | | | |
| TERRAIN AND VEGETATION COVER: | | | | |
| Starting Zone: Broad open steep slopes and cliffs incised with numerous shallow gullies | | | | |
| Track: Broad open slopes with numerous incised shallow gullies, rock outcrops, light coniferous, talus and willows | | | | |
| Runout Zone: Broad open slope, talus and willows | | | | |
| HISTORY: III. events: 90 highway: 0 full-track: 53 | | | | |



| PATH NAME ('s): | PATH NAME ('s): Ernest, Julio, Sam | | | | |
|--|------------------------------------|-------------------|---------------------|--|--|
| Path Reference Nu | mber: 152115-117 | Zone: IV | Area: <u>4</u> | | |
| Map Number: 3 | Photograph Num | mber: 19,20 | | | |
| SPECIFICATIONS: | | 00001 | 7.11 1/00! | | |
| Top Elev.: 11600 | Bottom Elev.: 1 | Vertical | Fall: 1400. | | |
| Length of Path: 3 | Number of S | Starting Zones: | 6 | | |
| Sta | rting Zone | Track | Runout Zone | | |
| Slope Angle | 27 [°] | 32° | 15° | | |
| Area Acres | 25 Mean Widt | h Area | Acres | | |
| | Length | 1526' | | | |
| Tree Line _ | В | В | В | | |
| TERRAIN AND VEGET | ATION COVER: | | | | |
| Starting Zone: 11 | .5 & 116: open kno1 | l, small rocks, 1 | ight coniferous | | |
| _ | slope with v-shaped | depressions, lig | ht small coniferous | | |
| 117: broad open slope with v-shaped depressions, light small coniferous Track: 115 & 116: broadening slope, small rock outcrops, light coniferous and grass. 117: 2 v-shaped depressions, light small coniferous and grass | | | | | |
| Runout Zone: 115 & 116: broad open slope, moderate coniferous, grass 117: broad open cone, light small coniferous and grass | | | | | |
| HISTORY: III. | 115 | 116 | 117 | | |
| | Ernes | | Sam | | |
| | rent: 8 | 4 | 14 | | |
| | ghway: 0 11-track: 7 | 0 4 | 0 7 | | |

| PATH NAME ('s): | 00tah | | | |
|---|------------------------------------|-----------------|-------------|--|
| Path Reference N | Tumber: 152118 Zo | ne: <u>IV</u> | Area:4 | |
| Map Number: 3 | Photograph Numbe | r: <u>19,20</u> | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 10600 | Bottom Elev.: 1020 | 00' Vertical | Fall: 400' | |
| Length of Path: | 721' Number of Sta | rting Zones: _ | 3 | |
| <u>St</u> | arting Zone | Track | Runout Zone | |
| Slope Angle | 34° | 34° | 16° | |
| Area Acres | 2 Mean Width | 400' Area | Acres 2.5 | |
| | Length | 360' | | |
| Tree Line | В | В | В | |
| TERRAIN AND VEGETATION COVER: Starting Zone: Broad open slope, small light to moderate coniferous | | | | |
| Track: Broad open slope, light coniferous, grass and bare ground | | | | |
| Runout Zone: Bro | oad open slope, grass an | nd willows | | |
| HISTORY: III. | events: 4 highway: 0 full-track: 3 | | | |



| PATH NAME ('s): Imogene, Riley Boy | | | | | | |
|---|--|-----------|-----------|-------------------|--------|-----------------|
| Path Reference M | Number: 152119 | Zor | ne:IV | Ar | ea: | 4 |
| Map Number: | 3 Photogra | ph Numbei | : 19,20 | Маничерника | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: 1240 | 0' Bottom Ele | v.: 101 | 00' Ver | tical F | all: 2 | 2300' |
| Length of Path: | 5686' Number | r of Star | ting Zon | ies: | 6 | |
| St | tarting Zone | | Track | | Runou | it Zone |
| Slope Angle | 39° | | 22° | | 1 | L5 ⁰ |
| Area Acres | 50 Mean | n Width | 300' | Area Ac | res_24 | + |
| | 7 | Length | 3231' | | | |
| Tree Line | A | | В | | | В |
| TERRAIN AND VEGI | ETATION COVER: | | | | | |
| Starting Zone: small rock outc | Broad basin with rops and grass | large ro | ock outer | r ops; 1 o | wer po | ortion: |
| Track: Narrowing v-shaped depression, grass and willows | | | | | | |
| Runout Zone: Broad fan, grass and willows | | | | | | |
| III. | crossed highway: events: 20 highway: 1 full-track: 10 | 1 | | | | |

| PATH NAME ('s) | : Portal | | | | | | |
|---|---------------------------------------|-----------|---------|----------|--------|----------|----------------|
| Path Reference | Number: 15 | 2120 | Zon | e: | IV | Area: _ | 4 |
| Map Number: | 3 Pho | otograph | Number | :20_ | ···· | | |
| SPECIFICATIONS Top Elev.: 110 | | om Elev.: | 1010 | 0' Ve | ertica | 1 Fall: | 900 ' |
| Length of Path | : 2846' | Number o | of Star | ting Zo | nes: | 1 | _ |
| | Starting Zon | <u>ie</u> | | Track | | Runo | out Zone |
| Slope Angle | 45° | | | 19° | | _1 | 5 ⁰ |
| Area Acres | .65 | Mean W | lidth | 100' | Area | Acres_ | 1 |
| | | Len | ngth | 1265' | | | |
| Tree Line | В | | | В | | | В |
| TERRAIN AND VE | GETATION COV | ER: | | | | | |
| Starting Zone: moderate coni | | | | light de | epress | ions, li | ight to |
| Track: Open slope, light to moderate coniferous | | | | | | | |
| Runout Zone: | Broad slope | , moderat | te to h | neavy co | nifer | ous | |
| HISTORY: III. | events: 3 highway: (full-track | | | | | | |



| PATH NAME ('s): Outlaw | | | | | |
|---|----------------------|--|--|--|--|
| Path Reference Number: 152121 Zone: | IV Area: 4 | | | | |
| Map Number: 3 Photograph Number: | 21 | | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 11400' Bottom Elev.: 10100' | Vertical Fall: 1300' | | | | |
| Length of Path: 3087' Number of Starting | Zones: 2 | | | | |
| Starting Zone Trac | k Runout Zone | | | | |
| Slope Angle 34° 30° | 17° | | | | |
| Area Acres 1.5 Mean Width 200' | Area Acres_7 | | | | |
| Length 1617 | · t | | | | |
| Tree Line B B | B | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | |
| Starting Zone: Narrow depression, moderate | coniferous and grass | | | | |
| Track: Narrow v-shaped depression, light small coniferous and willows | | | | | |
| Runout Zone: Broad open slope, grass | | | | | |
| HISTORY: III. events: 4 highway: 0 full-track: 4 | | | | | |

| PATH NAME ('s): | PATH NAME ('s): San Juan | | | | |
|--|--|--------------|------------|--------------|-----------------|
| Path Reference N | Number: <u>152</u> | 122 Zo | one:IV | Area: | 4 |
| Map Number: 3 Photograph Number: 21 | | | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 11800 |) Bottom | Elev.: 101 | .00' Ver | tical Fall: | 17001 |
| Length of Path: | 3891' N | umber of Sta | arting Zor | nes:3 | _ |
| <u>St</u> | arting Zone | - | Track | Rune | out Zone |
| Slope Angle | 34° | | _32° | | 14 ⁰ |
| Area Acres | 2 | Mean Width | 300' | Area Acres_ | 11 |
| | | Length | 1887' | | |
| Tree Line | В | | В | _ | В |
| TERRAIN AND VEGE | TATION COVE | R: | | | |
| Starting Zone: | Narrow depre | ession, mode | rate coni | ferous and g | rass |
| Track: Narrow slight depression, small rock outcrops, small light coniferous and willows | | | | | |
| Runout Zone: Broad open slope, grass | | | | | |
| | events: 8 highway: 0 full-track: | | | | |

| PATH NAME ('s): Tavern | | | | | |
|--------------------------------------|------------------------------------|----------------|-----------------|------------------------|--|
| Path Reference | Number: <u>152123</u> | Zc | one: <u>IV</u> | Area:4 | |
| Map Number: 3 Photograph Number: 21 | | | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: <u>11200</u> |)' Bottom Ele | v.: <u>101</u> | 00' Verti | cal Fall: <u>1100'</u> | |
| Length of Path: | 2460 Number | r of Sta | rting Zones | :2 | |
| <u>S</u> 1 | tarting Zone | | Track | Runout Zone | |
| Slope Angle | 40° | | 32° | 15° | |
| Area Acres | <u>1</u> Mea | ın Width | <u>200 †</u> Ar | ea Acres <u>10</u> | |
| | | Length | 943' | | |
| Tree Line | <u>B</u> | | В | B | |
| TERRAIN AND VEGI | ETATION COVER: | | | | |
| Starting Zone: | Narrow depressi | on, mode | rate conifer | ous and grass | |
| Track: Narrow sl | ight depression | emall | light comife | TOUS. | |
| TIACK: NATIOW BI | Ignic depression | , smarr . | right confre | 11005 | |
| | | | | | |
| Runout Zone: Broad open slope, grass | | | | | |
| | | | | | |
| HISTORY: III. | events: 7 highway: 0 full-track: 5 | | | | |

| PATH NAME ('s): Burro Bridge | | | | | |
|--|--|---------------------|------------|--|--|
| Path Reference I | Number: <u>152124</u> Zor | ne: <u>IV</u> Area: | 4 | | |
| Map Number: 3 | Photograph Number | r: <u>21</u> | | | |
| SPECIFICATIONS: Top Elev.: 11200' Bottom Elev.: 10000' Vertical Fall: 1200' | | | | | |
| | 2955' Number of Star | | | | |
| <u>S1</u> | tarting Zone | Track Rus | nout Zone | | |
| Slope Angle | 28° | 34° | 12 | | |
| Area Acres | .3 Mean Width | 100' Area Acres | 1 | | |
| | Length | 1447' | | | |
| Tree Line | B | B | В | | |
| TERRAIN AND VEG | ETATION COVER: | | | | |
| Starting Zone: | Rounded depression, talu | s and moderate coni | ferous | | |
| Track: Narrow slight depression, talus and light small coniferous | | | | | |
| Runout Zone: Open slope. Upper portion: heavy coniferous; lower portion: grass and willows | | | | | |
| HISTORY: I. | spring, 1886, 1 man and | 16 horses killed by | this slide | | |
| | events: 2 highway: 0 full-track: 1 | | | | |

| PATH NAME ('s): | January | | | | | | |
|---|--------------------|-----------|-------|--------------|---------|----------|-----------------|
| Path Reference N | umber: <u>1521</u> | 64 | Zor | ne: | IV | Area: _ | 4 |
| Map Number: 3 | Phot | ograph N | umber | c: <u>21</u> | | | |
| SPECIFICATIONS: | | | | | | | |
| Top Elev.: 11000 | Bottom | Elev.: | 9900 |)' V | ertical | l Fall: | 1100 |
| Length of Path: | 2110' N | umber of | Star | cting Z | ones: _ | 1 | <u>.</u> |
| <u>St</u> | arting Zone | | | Track | | Runo | ut Zone |
| Slope Angle | 39° | | | 34° | _ | | 15 ⁰ |
| Area Acres | .25 | Mean Wi | dth | 50' | Area | Acres: | 1 |
| | | Leng | th | 1447 | - | | |
| Tree Line | В | | | В | - | | В |
| TERRAIN AND VEGE | TATION COVE | R: | | | | | |
| Starting Zone: N | Moderate sha | ıllow dep | ress | ion, mo | oderate | conifer | ous |
| | | | | | | | |
| Track: Moderate shallow depression, moderate coniferous | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Runout Zone: Br | road open fi | 111 slope | , gr | ass, to | bed o | f Minera | ıl Creek |
| | | | | | | | |
| HISTORY: | | | | | | | |

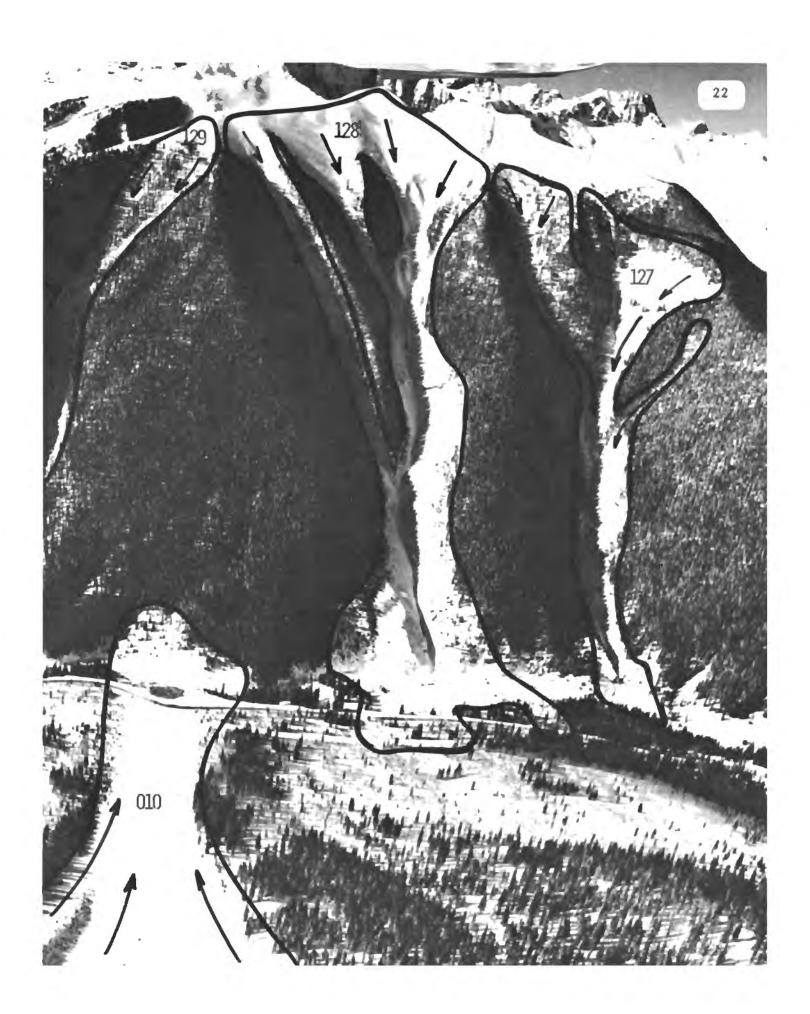
| PATH NAME ('s): | Ophir Road | East | | | | |
|--|---|-------------|-------|--------|---------|-----------------|
| Path Reference N | Number: 152 | 125 z | one: | IV | Area: _ | 3 |
| Map Number: | 3 Phot | ograph Numb | er: | 21 | | |
| SPECIFICATIONS: Top Elev.: 1260 | | | | | | 2600' |
| Length of Path: | | | | | | |
| <u>St</u> | arting Zone | | Track | | | out Zone |
| Slope Angle | 34° | | 25° | | | 17 ⁰ |
| Area Acres | 10 | Mean Width | 300 | _ Area | Acres_ | 7 |
| | | Length | 3310 | D' | | |
| Tree Line | В | | В | | | В |
| TERRAIN AND VEGETATION COVER: Starting Zone: Broad open basin, grass | | | | | | |
| Track: Narrowing to less open, depressions, grass and small light coniferous | | | | | | |
| Runout Zone: Narrow creek bottom, and adverse slope. | | | | | | |
| 1 | events: 12 highway: 0 full-track: | 7 | | | | |

| PATH NAME ('s): | Ophir Road | West | | | |
|-------------------------------------|----------------------|--------------|--------------|---------------------|----------------|
| Path Reference | Number: <u>1521</u> | 26 Zor | ne: <u>I</u> | V Area: | 3 |
| Map Number: 3 Photograph Number: 21 | | | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1260 | O' Bottom | Elev.: 10100 | O' Ver | tical Fall: | 2500 ' |
| Length of Path: | 5590' Nu | mber of Sta | rting Zon | nes: <u>5</u> | |
| <u>s</u> | tarting Zone | | Track | Runo | ut Zone |
| Slope Angle | 34° | | | | 17° |
| Area Acres | 11 | Mean Width | 400' | Area Acres <u>5</u> | |
| | | Length | 3851' | | |
| Tree Line | A | | A | | В |
| TERRAIN AND VEG | ETATION COVER | \ : | | | |
| Starting Zone: | Broad open ba | asin, grass | | | |
| | | | | | |
| Track: Narrowin | ng to less op | en, depressi | ons, gras | ss and small | l i ght |
| | | | | | |
| Runout Zone: | | | | | |
| | | | | | |
| | | | | | |
| HISTORY: III. | events: 8 highway: 0 | | | | |
| | full-track: | 3 | | | |



| PATH NAME ('s): Bismark , South American | | | | | |
|--|---|--|--|--|--|
| Path Reference Number: 152127 Zone: IV Area: 2 | _ | | | | |
| Map Number: 2 Photograph Number: 22 | | | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 11800' Bottom Elev.: 9800' Vertical Fall: 2000' | | | | | |
| Length of Path: 5385' Number of Starting Zones: 5 | | | | | |
| Starting Zone Track Runout Zone | 2 | | | | |
| Slope Angle 39° 23° 6° | | | | | |
| Area Acres 23 Mean Width 150' Area Acres 3 | | | | | |
| Length 4662' | | | | | |
| Tree Line B B | | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | |
| Starting Zone: Broad open slope, grass | | | | | |
| Track: Narrowing to v-shaped depression, grass | | | | | |
| Runout Zone: Bed of Mineral Creek | | | | | |
| HISTORY: III. events: 14 highway: 0 full-track: 6 | | | | | |

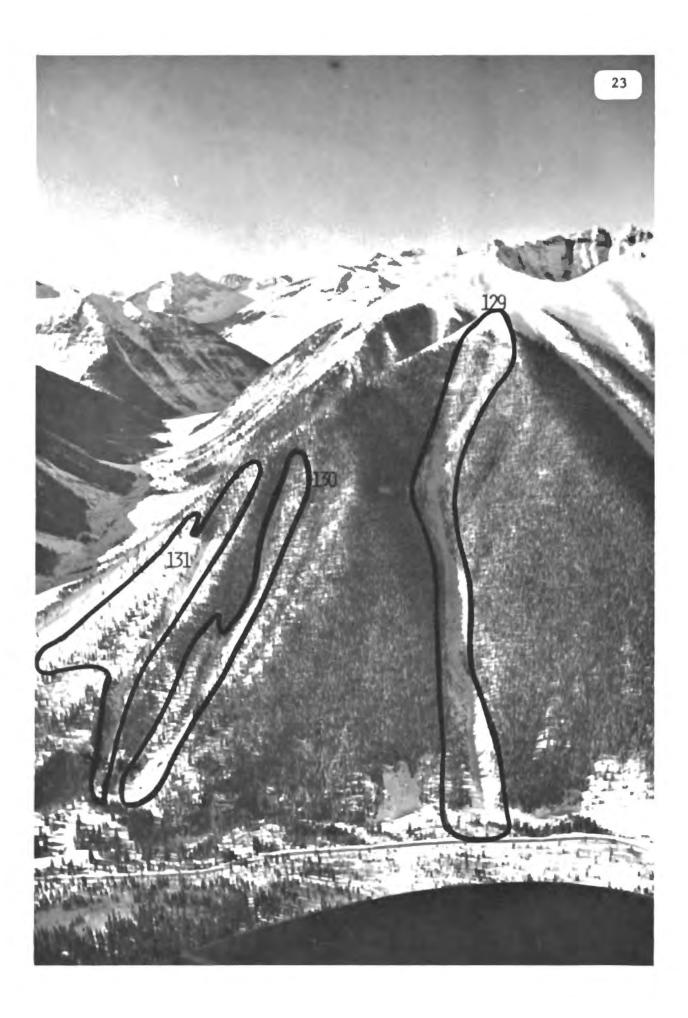
| PATH NAME ('s): | Battleship, Arnold | | | |
|---|---|---------------------|-----------------------|--|
| Path Reference | Number: <u>152128</u> | Zone: <u>IV</u> | Area: | |
| Map Number: 2 | Photograph Nu | mber: | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 124 | 00' Bottom Elev.: _ | <u>9700'</u> Vertic | al Fall: <u>2700'</u> | |
| Length of Path: | 7038' Number of | Starting Zones: | 3 | |
| <u>s</u> | tarting Zone | Track | Runout Zone | |
| Slope Angle | 34° | | 27° adv. | |
| Area Acres | Mean Wid | th <u>300'</u> Are | a Acres <u>18</u> | |
| | Lengt | h 4754' | | |
| Tree Line | A | В | B | |
| TERRAIN AND VEG | ETATION COVER: | | | |
| Starting Zone: and grass | Three broad shallow b | asins, scree, s | mall light coniferous | |
| Track: Narrowing coniferous and | ng to v-shaped depres bare ground | sion, rock outo | rops, small light | |
| Runout Zone: bed of Mineral Creek | | | | |
| HISTORY: I. 1932, 2 big trees deposited on highway 1943, hit highway, 2' in deepest place March 1948, concussion snapped transmission and telephone lines | | | | |
| II. | crossed highway: 2 winter of 1951-1952, | piled 4-5' of s | snow on highway | |
| III. | events: 36 highway: 0 full-track: 13 | | | |



| PATH NAME ('s): Destroyer | | | | | | |
|---|---|---------------|-----------|------------|---------|--|
| Path Reference | Number: 152 | 2129 zo | one:I | Area: _ | 2 | |
| Map Number: | Phot | ograph Numbe | er: | 23 | | |
| SPECIFICATIONS: Top Elev.: 11800 | SPECIFICATIONS: Top Elev.: 11800' Bottom Elev.: 9640' Vertical Fall: 2160' | | | | | |
| Length of Path: | 4902 N | umber of Sta | rting Zo | nes:2 | - | |
| <u>s</u> | tarting Zone | | Track | Runc | ut Zone | |
| Slope Angle | 31° | | 27° | 13 | 3 | |
| Area Acres | 10 | Mean Width | 250' | Area Acres | 4 | |
| | | Length | 3936 | | | |
| Tree Line | A | | В | | В | |
| TERRAIN AND VEG | ETATIÓN COVE | R: | | | | |
| Starting Zone: | Narrow depre | ession, light | t conifer | ous | | |
| Track: Narrow v-shaped depression, light small coniferous | | | | | | |
| Runout Zone: bed of Mineral Creek | | | | | | |
| HISTORY: I. | 1943, threw events: 3 highway: 0 full-track: | tree limbs o | on highwa | у | | |

| PATH NAME ('s): G I | | | | |
|--|-------------------------|----------------|----------------------|--|
| Path Reference | Number: 152130 Z | one: <u>IV</u> | Area: | |
| Map Number: | 2 Photograph Number | er: <u>23</u> | | |
| SPECIFICATIONS | : | | | |
| Top Elev.: 112 | Bottom Elev.: 9600 | Vertica | 1 Fall: 1600' | |
| Length of Path | : 3053' Number of Sta | arting Zones: | 1 | |
| | Starting Zone | Track | Runout Zone | |
| Slope Angle | _45 ^o | | | |
| Area Acres | 2.6 Mean Width | Area | Acres 2 | |
| | Length | 23321 | | |
| Tree Line | B | B | B | |
| TERRAIN AND VE | GETATION COVER: | | | |
| Starting Zone: | Very narrow depression, | light small o | coniferous and grass | |
| Track: Widening slight depression, light small coniferous, grass and bare ground | | | | |
| Runout Zone: Open slope, with grass, aspen and light coniferous. | | | | |
| HISTORY: III. events: 3 highway: 0 full-track: 1 | | | | |

| PATH NAME ('s): | Pickle Barr | el | | | |
|--|----------------------------------|-------------------|-------------------|--------------|-------------|
| Path Reference N | lumber: 1521 | .31 zon | ne: <u>I</u> | V Area: | 2 |
| Map Number:2 | Photo | ograph Number | r: <u>23</u> | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: <u>10800</u> | Bottom | Elev.: <u>954</u> | <u>0'</u> Ve | ertical Fall | : 1260' |
| Length of Path: | 2535 t Nt | umber of Star | rting Zo | ones: 2 | |
| St | arting Zone | | Track | Ru | nout Zone |
| Slope Angle | 39° | | | | 15° |
| Area Acres | 2 | Mean Width | 300' | Area Acres | 3.5 |
| | | Length | 1432' | | |
| Tree Line | В | | В | | В |
| TERRAIN AND VEGE | | | .1 . 1 . 1 | 1 | 11-14-4- |
| Starting Zone: I moderate conifer | | | | iepression, | light to |
| Track: V-shaped depression, light to moderate coniferous, grass and bare ground | | | | | |
| Runout Zone: Northnarrow gulley with light coniferous and grass. Southbroad slope with light coniferous and aspen. | | | | | |
| HISTORY: III. | events: 5 highway: 0 full-track: | 2 | | | |



| PATH NAME ('s): Snowslide Gulch | | | | |
|--|---|---------------|------------------|--|
| Path Reference | Number: 152132 Z | one: IV | Arca: 1 | |
| Map Number: 2 | Photograph Number | er:24 | | |
| SPECIFICATIONS: Top Elev.: 11800' Bottom Elev.: 9540' Vertical Fall: 2260' | | | | |
| Length of Path: | 5487' Number of Sta | arting Zones: | 7 | |
| <u>s</u> | tarting Zone | Track | Runout Zone | |
| Slope Angle | 40° | 28° | 18° | |
| Area Acres | Mean Width | 200' Area | Acres_3 | |
| | Length | 3400' | | |
| Tree Line | A | В | В | |
| TERRAIN AND VEG | ETATION COVER: | | | |
| Starting Zone: light coniferou | Broad basin with severa | l depressions | , rock outcrops, | |
| Track: Narrows to gully with rock outcrops, willows and bare ground | | | | |
| Runout Zone: Broad cone-shaped grassy truncated fan, moderate coniferous and willows in drainage beneath fan | | | | |
| HISTORY: II. | March 1958, covered cour | nty road with | 20' of snow | |
| | events: 11 highway: 0 full-track: 7 | | | |

| PATH NAME ('s): String Along | | | | |
|---|---------------------------------|--|--|--|
| Path Reference Number: 152133 Zor | ne: <u>IV</u> Area: <u>1</u> | | | |
| Map Number: 2 Photograph Number | ::24 | | | |
| SPECIFICATIONS: Top Elev.: 11300' Bottom Elev.: 9600 | Vertical Fall: 1700' | | | |
| Length of Path: 3448' Number of Star | ting Zones:1 | | | |
| Starting Zone | <u>Track</u> <u>Runout Zone</u> | | | |
| Slope Angle 37° | 18° | | | |
| Area Acres6 Mean Width | 100' Area Acres 3 | | | |
| Length | 2693' | | | |
| Tree Line B | B | | | |
| TERRAIN AND VEGETATION COVER: | amall andforces | | | |
| Starting Zone: Narrow depression, light | small confierous | | | |
| Track: Narrow depression, small rock out | tcrops, light small coniferous | | | |
| Runout Zone: Broad open slope, willows | | | | |
| HISTORY: III. events: 1 highway: 0 full-track: 1 | | | | |



| PATH NAME ('s): Bear Creek West | | | | |
|--|----------------------|--|--|--|
| Path Reference Number: 152134 Zone: | II Area:1 | | | |
| Map Number: 1,2 Photograph Number: | 25 | | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 12200' Bottom Elev.: 9800' | Vertical Fall: 2400' | | | |
| Length of Path: 4495' Number of Startin | ng Zones: 1 | | | |
| Starting Zone Tra | Runout Zone | | | |
| Slope Angle 34° 28 | <u>22°</u> | | | |
| Area Acres 1 Mean Width 20 | 0' Area Acres 4 | | | |
| Length 2 | 506' | | | |
| Tree Line A | <u>B</u> <u>B</u> | | | |
| TERRAIN AND VEGETATION COVER: | | | | |
| Starting Zone: Open talus slope with rock o | outcrops | | | |
| Track: Narrows to well-defined track with flat cross section, light small coniferous and grass | | | | |
| Runout Zone: Narrow adverse gully and creek bottom. | | | | |
| HISTORY: III. events: 1 highway: 0 full-track: 1 | | | | |

| PATH NAME ('s): Bear Creek East |
|--|
| Path Reference Number: 152135 Zone: II Area: 1 |
| Map Number: 1 Photograph Number: 25 |
| SPECIFICATIONS: |
| Top Elev.: 12200' Bottom Elev.: 9700' Vertical Fall: 2500' |
| Length of Path: 5148' Number of Starting Zones: 2 |
| Starting Zone Track Runout Zone |
| Slope Angle 45° 29° 20° |
| Area Acres 3 Mean Width 300' Area Acres 3 |
| Length <u>3672</u> |
| Tree Line A B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Broad basin with incised gullies, large rock outcrops |
| Track: Narrows to rounded gully, talus, grass and bare ground |
| Runout Zone: Broad open flat, creek, with grass willows and aspen. |
| HISTORY: III. events: 1 highway: 0 full-track: 0 |

| PATH NAME ('s): | Pumphouse | | | | |
|-----------------------------------|--|--------------|--------------|-------------|-----------|
| Path Reference | Number: <u>1521</u> | 36 Zor | ne:I | Area: _ | 1 |
| Map Number: | 1 Photo | graph Numbe | r: <u>25</u> | | |
| SPECIFICATIONS: Top Elev.: 11800 |)' Bottom | Elev.: 9400 |)' Ver | tical Fall: | 2400' |
| Length of Path: | | | | | |
| <u>S</u> | tarting Zone | | Track | Rune | out Zone |
| Slope Angle | 23° | | | | 9° |
| Area Acres | 25 | Mean Width | 150' | Area Acres_ | 21 |
| | | Length | 4123' | | |
| Tree Line | A | | В | | В |
| TERRAIN AND VEG | ETATION COVER | L ; | | | |
| Starting Zone: small rock outo | | lope with sl | ight depr | ession, tal | us and |
| Track: Narrows | to depression | n with small | light co | niferous an | d willows |
| Runout Zone: Br | coad open slo | pe, light co | niferous | and willows | |
| HISTORY: III. | events: 2 highway: 0 full-track: | 2 | | | |

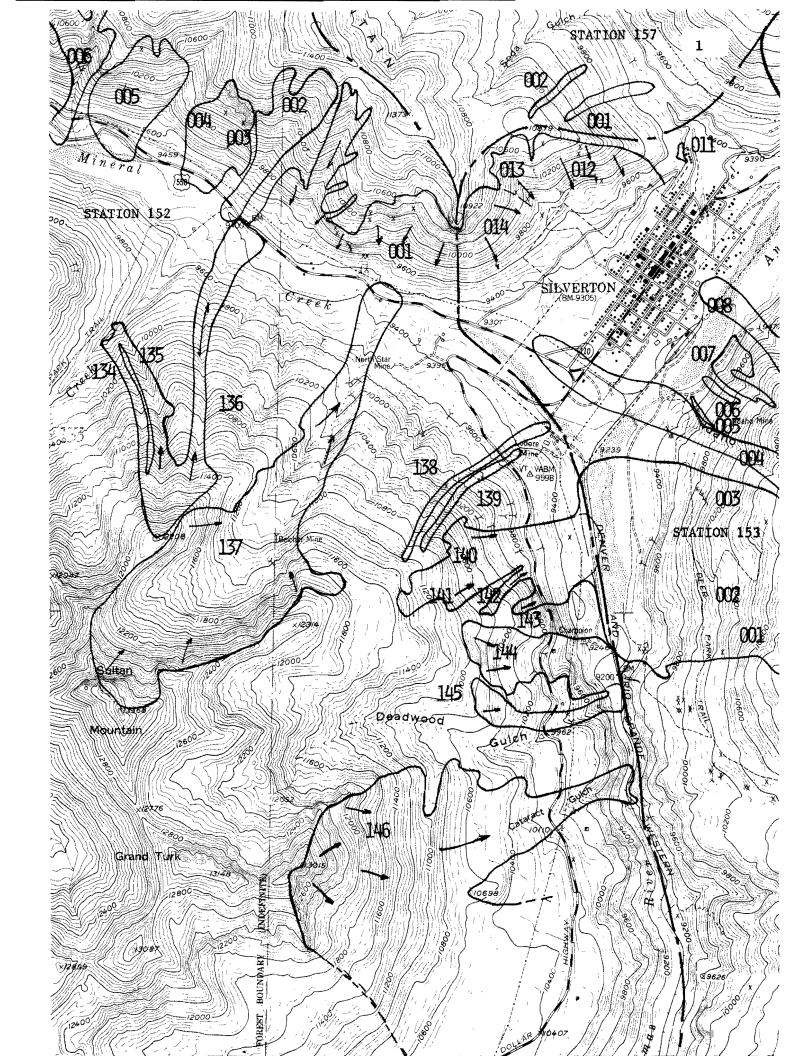


| PATH NAME ('s): | North Star | | | | |
|---|--|---------------------------|---------------|--|--|
| Path Reference | Number: 152137 Zo | one: <u>II</u> Area: | 2 | | |
| Map Number: | Photograph Numbe | er: <u>26</u> | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1300 | 00' Bottom Elev.: 9300 | O' Vertical Fall | : <u>3700</u> | | |
| Length of Path: | 11132 Number of Sta | rting Zones: <u>multi</u> | <u>ipl</u> e | | |
| <u>s</u> | tarting Zone | Track Ru | nout Zone | | |
| Slope Angle | 32° | 18° | 13° | | |
| Area Acres | 175 Mean Width | 200' Area Acres | 31 | | |
| | Length | 8412' | | | |
| Tree Line | A | В | В | | |
| TERRAIN AND VEG | ETATION COVER: | | | | |
| Starting Zone: gullies, talus | Broad basin, numerous 1 | arge rock outcrops a | and incised | | |
| | to v-shaped gully with aspen and willows | rock outcrops, small | light | | |
| Runout Zone: Na | arrow fan, light coniferd | ous talus and willow | /s | | |
| HISTORY: I. January 1886, 1 man carried down entire length of path, survived February 1891, 3 men killed by slide in Belcher Basin (North Star Basin) March 1906, slide starting in Belcher Basin crossed Mineral Creek and stopped on Anvil Mt., destroying a stone powder house | | | | | |
| III. | events: 2 highway: 0 full-track: 0 | | | | |

SECTION IV

Silverton to Molas Pass U.S. Highway 550

Avalanche paths: 152138 - 152146



| PATH NAME ('s): Gladstone North, Dora S1 | ide, Twin Slide |
|--|-------------------------------|
| Path Reference Number: 152138 Zone | e: <u>II</u> Area: <u>3</u> |
| Map Number: 1 Photograph Number | : |
| SPECIFICATIONS: | |
| Top Elev.: 11400' Bottom Elev.: 9240' | Vertical Fall: |
| Length of Path: 4992' Number of Start | ting Zones:2 |
| Starting Zone | Track Runout Zone |
| Slope Angle 34° | 26° 9° |
| Area Acres Mean Width | 100' Area Acres 10 |
| Length | 2236' |
| Tree Line B | <u>B</u> <u>B</u> |
| TERRAIN AND VEGETATION COVER: | |
| Starting Zone: Very narrow shallow depres grass and bare ground | ssion, light small coniferous |
| Track: Narrow shallow depression, light grass and bare ground | to moderate small coniferous |
| Runout Zone: Open slope, light coniferon | us, moderate aspen and grass |
| HISTORY: I. May 10, 1941, deposited of III. events: 1 highway: 0 full-track: 1 | numerous trees on highway |

| PATH NAME ('s | s): Gladstone | South, Dora | Slide, Twir | Slide |
|--------------------------------|------------------------------------|---------------|---------------|-----------------------|
| Path Reference | e Number: 152 | 139 Zo | ne: <u>II</u> | Area: <u>3</u> |
| Map Number: _ | 1 Phot | ograph Numbe | r: <u>27</u> | |
| SPECIFICATION | is: | | | |
| Top Elev.: <u>11</u> | 000' Botton | Elev.: 9024 | Vertic | al Fall: <u>1760'</u> |
| Length of Pat | h: 3652' N | lumber of Sta | rting Zones: | |
| | Starting Zone | <u> </u> | Track | Runout Zone |
| Slope Angle | 39° | | 30° | 9° |
| Area Acres | .3 | Mean Width | 100' Are | a Acres_10 |
| | | Length | 2419' | |
| Tree Line | В | | <u>B</u> | <u> </u> |
| TERRAIN AND V | EGETATION COVE | CR: | | |
| Starting Zone grass and bar | | shallow depr | ession, ligh | nt small coniferous, |
| | w shallow depro lower track: | | | erous and grass in |
| Runout Zone: mine dump | Open slope, 1: | ight to moder | ate conifero | ous, aspen and grass; |
| HISTORY: I. | March 1878, 4 just below H | | n slide hit | cabin at Ajax shaft, |
| III. | events: 0 highway: 0 full-track: 0 |) | | , |



| PATH NAME ('s): Jennie Parker North | | | | | |
|-------------------------------------|---------------------------------------|---|-----------------------------|---|--|
| Path Reference | e Number: _ | 152140 Zc | one: II | Area:4 | |
| Map Number: _ | 1 P | Photograph Numbe | er: <u>27</u> | | |
| SPECIFICATION Top Elev.: 11 | | tom Elev.: 920 | 0' Vertio | cal Fall: <u>2100'</u> | |
| Length of Pat | h: 4696' | Number of Sta | rting Zones | :2 | |
| | Starting Z | Cone | Track | Runout Zone | |
| Slope Angle | | | 22° | 20° | |
| Area Acres | 9 | Mean Width | <u>300'</u> Are | ea Acres <u>13</u> | |
| | | Length | 1616' | | |
| Tree Line | <u> </u> | | <u>B</u> | В | |
| TERRAIN AND V | | | | | |
| | | allow depression th bands of mode | - | —————————————————————————————————————— | |
| small conifer | rous; lower | | ıs slope abo | ock outcrops, light ve and light boulders, | |
| Runout Zone: | Broad open | slope, grass an | nd willows | | |
| HISTORY: I. | February 188 January 188 | 384, ore house of 36, all building of 1927, debris and 141) | gs on cla <mark>im</mark> (| | |
| III. | events: 8 highway: 2 full-track | | | | |

| PATH NAME ('s): Jennie Parker South |
|---|
| |
| Path Reference Number: 152141 Zone: II Area: 4 |
| Map Number: 1 Photograph Number: 27 |
| |
| SPECIFICATIONS: |
| Top Elev.: 11400' Bottom Elev.: 9200' Vertical Fall: 2200' |
| Length of Path: 4741 Number of Starting Zones: 2 |
| Starting Zone Track Runout Zone |
| Slope Angle 30° 22° 20° |
| Area Acres 11 Mean Width 300' Area Acres 13 |
| Length 2608' |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Broad shallow depressions, cliffs and large rock outcrops alternating with bands of moderate coniferous |
| odderops arremating with bands of moderate confresors |
| Track: Broad open slope. Upper portion: smooth rock outcrops, light small coniferous; lower portion; light smooth rocky outcrops, moderate small to medium coniferous and aspen |
| Runout Zone: Broad open slope. Upper portion: moderate coniferous and aspen; lower portion: light boulders, grass and willows |
| HISTORY: I. see Jennie Parker North, #140 |
| II. see Jennie Parker North, #140 |
| <pre>III. events: 8 highway: 2 full-track: 1</pre> |

| PATH NAME ('s): Peacock |
|--|
| Path Reference Number: 152142 Zone: II Area: 4 |
| Map Number:1 Photograph Number:27 |
| SPECIFICATIONS: Top Elev.: 10800' Bottom Elev.: 9200' Vertical Fall: 1600' |
| Length of Path: 3225' Number of Starting Zones: 1 |
| Starting Zone Track Runout Zone |
| Slope Angle <u>40°</u> <u>33°</u> <u>6°</u> |
| Area Acres5 Mean Width Area Acres 7 |
| Length 2025' |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Open talus slope |
| Track: Open slope, large rock outcrops, light to medium small coniferous and aspen |
| Runout Zone: Broad open slope, grass, willows, light boulders and light aspen |
| HISTORY: II. crossed highway: 7 |
| <pre>III. events: 5 highway: 5 full-track: 4</pre> |

| PATH NAME ('s): | Harley S | nort | | | | |
|------------------------------------|---|-----------------------|------------|----------|----------|------------|
| Path Reference M | Number: 1 | 52143 | Zone: | II | Area: _ | 4 |
| Map Number:1 | . Ph | otograph Nu | ımber: | 27,28 | | |
| SPECIFICATIONS: | -• | | | | | |
| Top Elev.: 1040 | Bott | om Elev.: _ | 92001 | Vertica | 1 Fall: | 1200' |
| Length of Path: | 2332' | Number of | Starting | Zones: | 1 | - |
| St | arting Zo | ne | Track | | Runc | out Zone |
| Slope Angle | 45° | | 41° | | | 39° |
| Area Acres | .5 | Mean Wid | th 200' | _ Area | Acres_ | 4.5 |
| | | Lengt | h 922 | | | |
| Tree Line | B | | | В | В | 1000 |
| TERRAIN AND VEGI | ETATION CO | VER: | | | | |
| Starting Zone: with medium con | Broad open iferous an | slope, cli d aspen | iffs and r | ock out | crops al | ternating. |
| Track: Broad op medium conifero | | | rock outo | crops al | ternatin | ng with |
| Runout Zone: Ro | cky cliff | with talus | slope and | l willow | s below | |
| III. | crossed hi events: 3 highway: full-track | 3 | | | | |

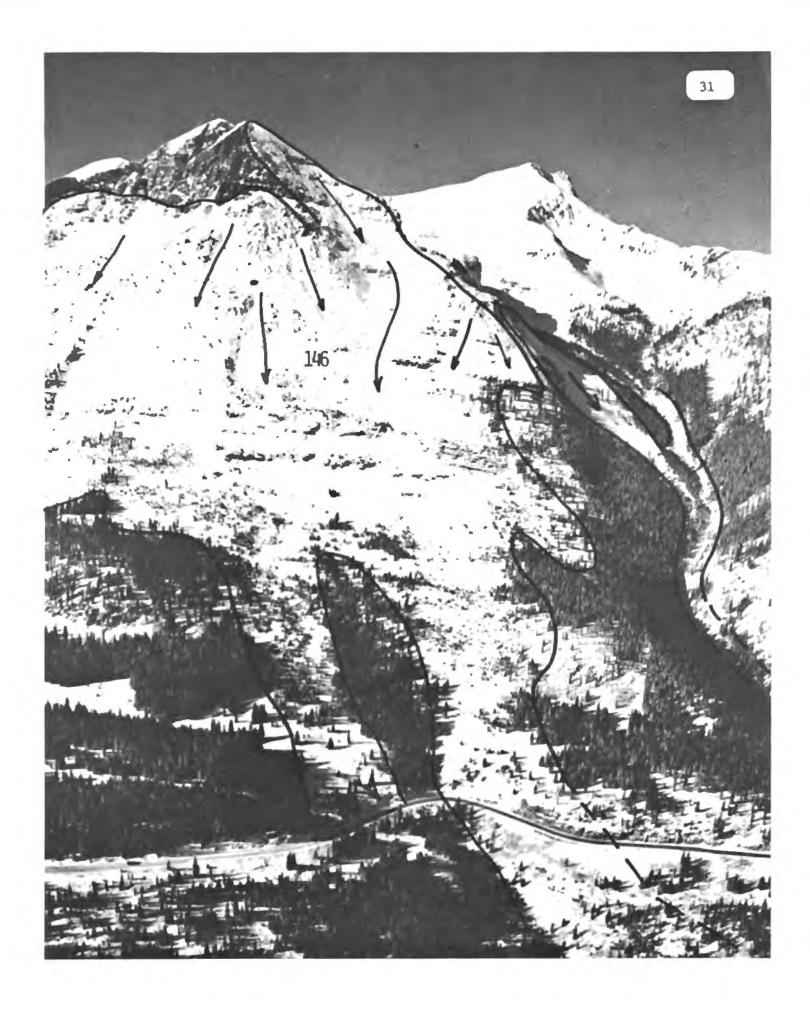


| PATH NAME ('s) | : Champion | | |
|---------------------------------|--|-----------------------|--------------------|
| Path Reference | Number: 152144 Zo | one:II Area: | 4 |
| Map Number: | 1 Photograph Number | er: <u>28</u> | |
| SPECIFICATIONS | | | |
| Top Elev.: 110 | 000' Bottom Elev.: 9 | 200' Vertical Fall: | <u> 1800'</u> |
| Length of Path | : 3936' Number of Sta | arting Zones: 2 | |
| <u> </u> | Starting Zone | Track Run | out Zone |
| Slope Angle | 40° | | 7° |
| Area Acres | 25 Mean Width | 600 Area Acres_ | 14 |
| | Length | _2283 ' | |
| Tree Line | В | В | В |
| TERRAIN AND VE | GETATION COVER: | | |
| Starting Zone: cliffs, light | Broad v-shaped depression | on, talus, small rock | outcrops and |
| Track: Broad and grass | depression, talus, rock | outcrops, light conif | erous, aspen |
| Runout Zone: B and willows be | road open fan, large bou low. | lders, grass. Flat f | flood plain, grass |
| HISTORY: I. | February, 1915, 1 man ki February, 1932, railroad and moved 30 feet crossed highway: 30 | | |
| III. | events: 28 highway: 18 full-track: 6 | | |

| PATH NAME ('s): | Deadwoo | od | | | |
|---|---|----------------|---------------|-------------|---------------|
| Path Reference | Number: 15 | <u>2145</u> Zo | ne: <u>II</u> | Area: | 5 |
| Map Number: 1 | Pho | otograph Numbe | r: <u>29</u> | | |
| SPECIFICATIONS: Top Elev.: 108 | | om Elev.: 9200 | <u>)'</u> Ver | tical Fall: | 1600' |
| Length of Path: | 3578' | Number of Sta | rting Zon | es:2 | - |
| <u>s</u> | tarting Zor | <u>ie</u> | Track | Run | out Zone |
| Slope Angle | 30° | | 29° | | 0 |
| Area Acres | | Mean Width | 3001 | Area Acres_ | 3 |
| Tree Line | В | Length | 2506' B | | В |
| TERRAIN AND VEG | | | s, rock o | utcrops wit | h talus below |
| Track: Upper pgrass and bare smooth bedrock | | | | | |
| Runout Zone: B | road open f | lat and river | bottom. | | |
| HISTORY: II. | December 1: events: 1 highway: : full-track | | main gull | y and cover | ed highway |



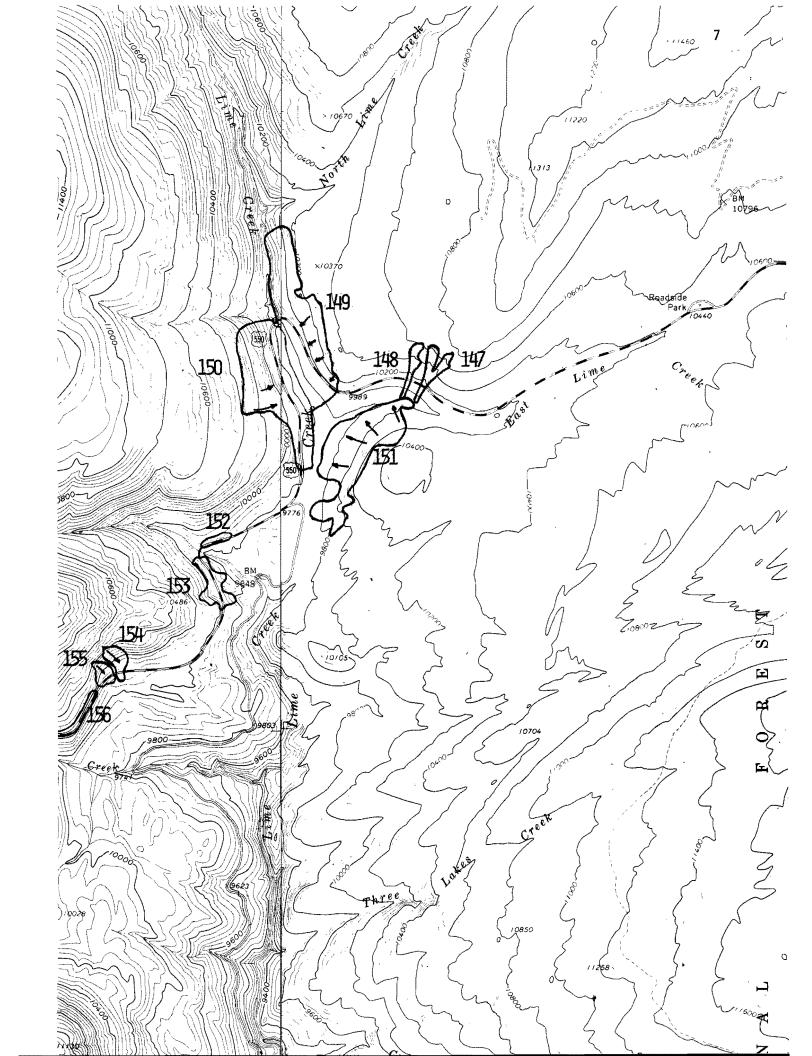
| PATH NAME ('s) | King Mine | | | | | | |
|---|----------------------------------|------------------------------|---------------------|--------------------------------|------------------------------|--|--|
| Path Reference Number: 152146 Zone: II Area: 5 | | | | | | | |
| Map Number: | Photo | ograph Numbe | r: <u>31</u> | ** g -000000** | | | |
| SPECIFICATIONS | : | | | | | | |
| Top Elev.: 130 | 00' Bottom | Elev.: 9200 | Ve | ertical Fall: | 4800 t | | |
| Length of Path | 8323' Nu | mber of Sta | rting Zo | ones: <u>multip</u> | <u>1</u> e | | |
| <u>2</u> | Starting Zone | | Track | Run | out Zone | | |
| Slope Angle | _41° | | | | 0 | | |
| Area Acres | 64 | Mean Width | 800' | Area Acres_ | 4 | | |
| | | Length | 5903' | | | | |
| Tree Line | A | | В | | <u>B</u> | | |
| TERRAIN AND VEC | GETATIÓN COVER | : | | | | | |
| Starting Zone: large rock out | - | cliffs with | broad op | oen slope bel | ow, talus, | | |
| Track: Upper: Lower portion: coniferous and | broad open s | slopes, benc slope, small | hes, roc rock ou | ek bands, bru stcrops, mode | sh and grass rate to heav | | |
| Runout Zone: drainage below | | iffs, light | conifero | ous, crosses | Animas | | |
| HISTORY: I. 1932, covered railroad tracks January 1935, covered the tracks of the Denver & Rio Grande Railroad 15' deep and 40' in length | | | | | | | |
| II. | crossed highw | way: 2 | | | | | |
| III. | events: 0 highway: 0 full-track: | 0 | | | | | |

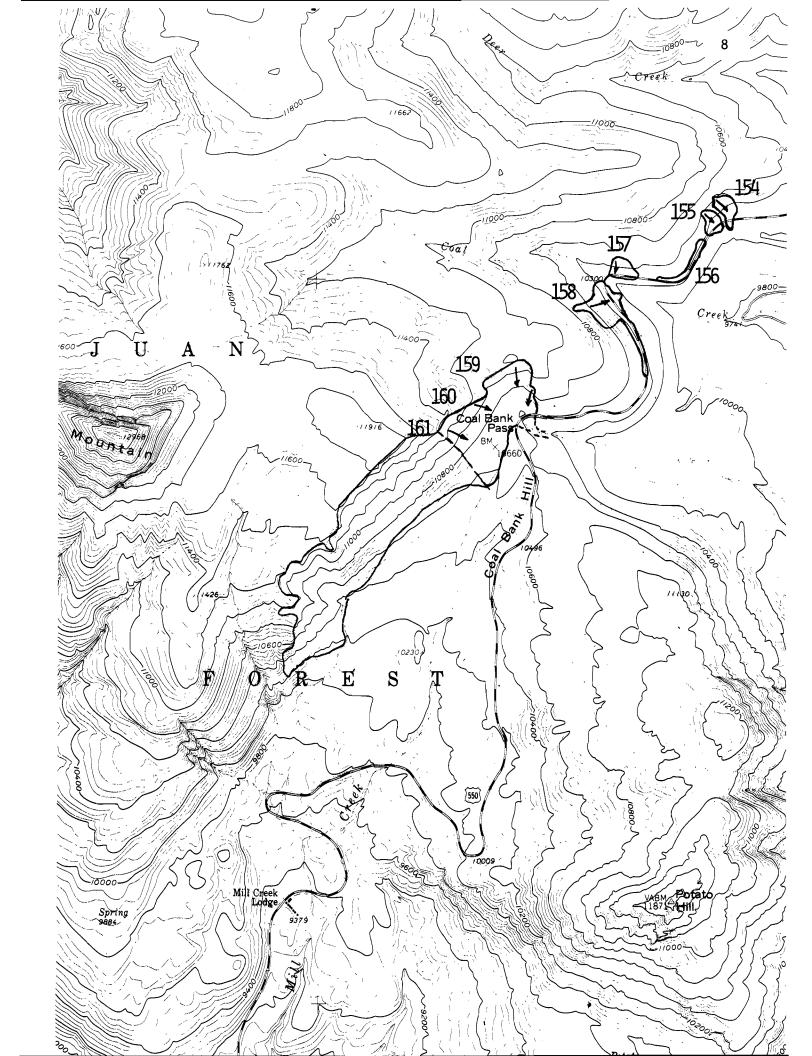


SECTION V

Molas Pass to Coal Bank Pass
U.S. Highway 550

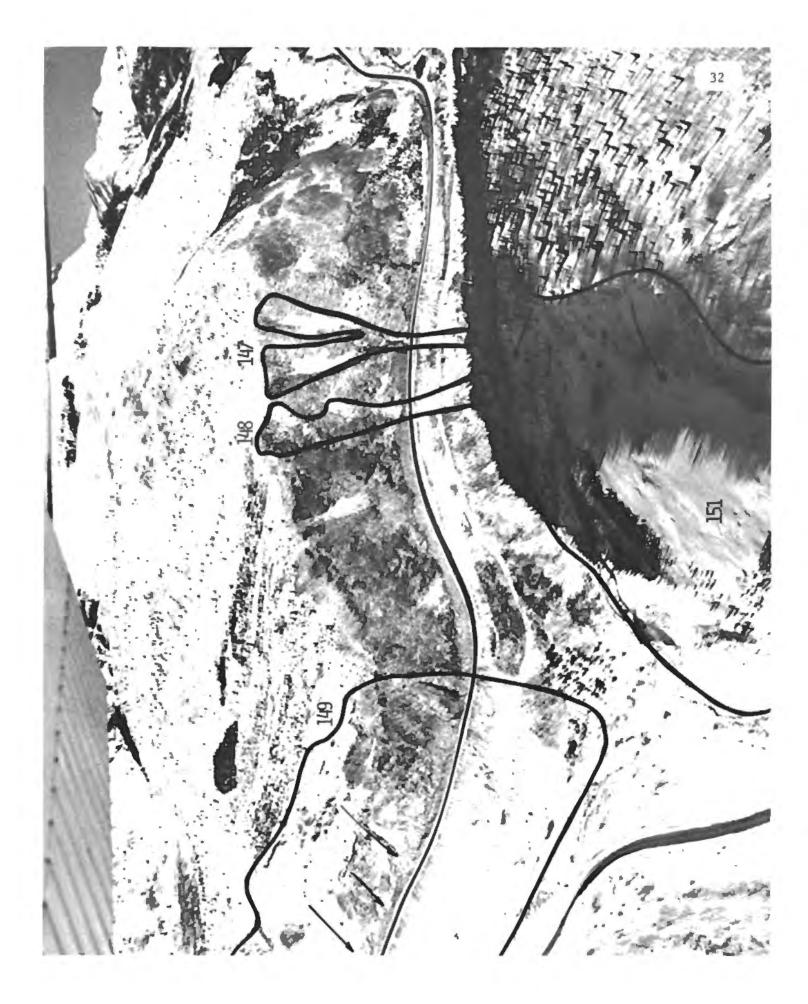
Avalanche paths: 152147 - 152161





| Waterfall | | | | | | • |
|---|--|--|--|---|--|--|
| Number: 15 | 52147 | Zor | ne:I | | Area: _ | 5 |
| Map Number: 7 Photograph Number: 32,33,35 | | | | | | |
| Bottom | Elev. | :99 | 00' Ve | rtical | Fal1: | 900' |
| 1581' N | umber | of Star | cting Zo | nes: | 2 | |
| | ! - | | <u>Track</u> | | Runo | it Zone |
| 47° | | | | | 0 | Magazina di Santana di |
| 2 | Mean | Width | 50' | Area A | Acres | . 25 |
| | Le | ngth | 1389' | | | |
| В | | | В | | I | 3 |
| TATION COVE | R: | | | | | |
| Open slope, | brush | , tall | grass ar | nd talu | s | |
| | | | on: mod | lerate | aspen; | lower |
| oad open sl | ope, ta | alus | | | | |
| vents: 3 ighway: 3 | · | 2 | | | | |
| | Bottom 1581' N arting Zone 47° 2 B CTATION COVE Open slope, depression. with willow oad open sl | Number: 152147 Photograph Bottom Elev. 1581' Number arting Zone 47° 2 Mean Le B TATION COVER: Open slope, brush depression. Upper with willows below oad open slope, ta | Photograph Number Bottom Elev.: 99 1581' Number of Starting Zone 47° 2 Mean Width Length B TATION COVER: Open slope, brush, tall depression. Upper portified with willows below oad open slope, talus rossed highway: 2 vents: 3 ighway: 3 | Photograph Number: 32,3 Bottom Elev.: 9900' Ve 1581' Number of Starting Zo arting Zone Track 47° 30° Mean Width 50' Length B CTATION COVER: Open slope, brush, tall grass and depression. Upper portion: mod with willows below oad open slope, talus rossed highway: 2 vents: 3 ighway: 3 | Number: 152147 Zone: I Photograph Number: 32,33,35 Bottom Elev.: 9900' Vertical 1581' Number of Starting Zones: | Number: 152147 Zone: I Area: 7 Photograph Number: 32,33,35 Bottom Elev.: 9900' Vertical Fall: 1581' Number of Starting Zones: 2 Earting Zone Track Runor 47° 30° 0 Mean Width 50' Area Acres Length 1389' B B B B ETATION COVER: Open slope, brush, tall grass and talus depression. Upper portion: moderate aspen; with willows below oad open slope, talus rossed highway: 2 vents: 3 ighway: 3 |

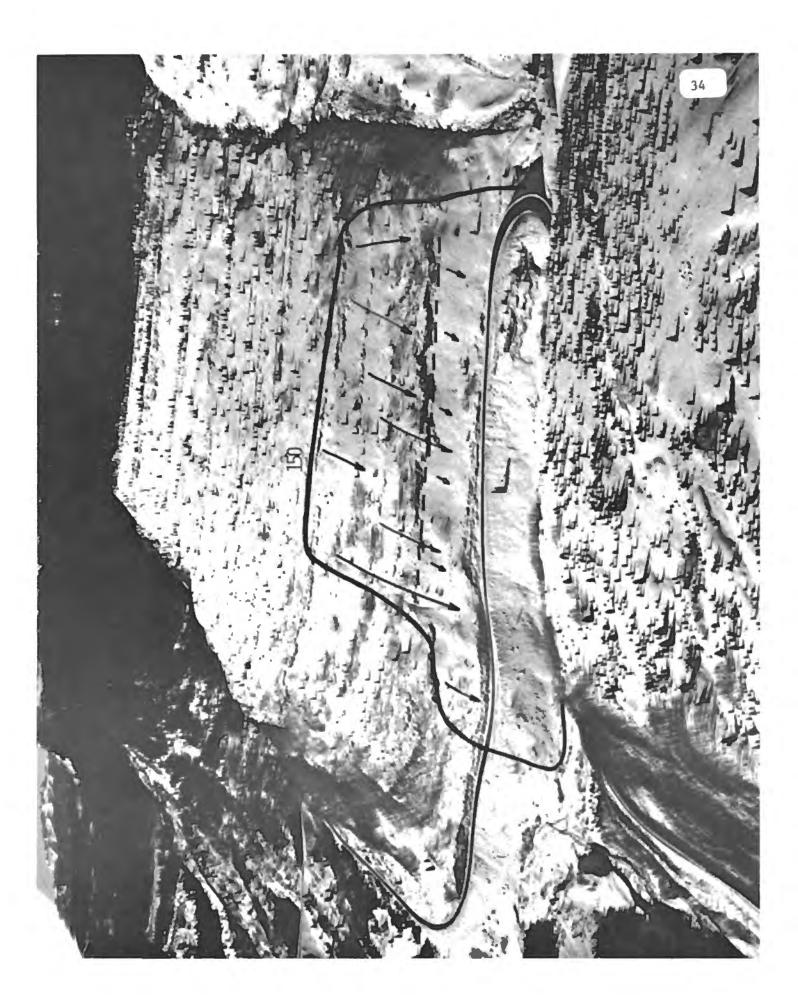
| PATH NAME ('s): Springs | | | | | | |
|--|--|----------------------|----------------|--|--|--|
| Path Reference N | lumber: <u>152148</u> | Zone:I | Area:5 | | | |
| Map Number: 7 | Photograph | Number: <u>32,33</u> | 1,35 | | | |
| en carra de maroya | | | | | | |
| SPECIFICATIONS: Top Elev.: 10600' Bottom Elev.: 9900' Vertical Fall: 700' | | | | | | |
| | 1389' Number | | | | | |
| | | | | | | |
| | arting Zone | Track | Runout Zone | | | |
| Slope Angle | | 29° | 0 | | | |
| Area Acres | Mean | Width 50' | Area Acres .25 | | | |
| | Le | ngth 1253' | | | | |
| Tree Line | В | В | В | | | |
| TERRAIN AND VEGE | TATION COVER: | | | | | |
| Starting Zone: 0 | pen bowl-shaped de | pression, talu | s and grass | | | |
| Starting Zone: Open bowl-shaped depression, talus and grass Track: Shallow depression, moderate small aspen and grass | | | | | | |
| Runout Zone: Broad open slope, talus | | | | | | |
| HISTORY: II. crossed highway: 1 | | | | | | |
| | events: 5 highway: 2 full-track: 3 | | | | | |



| PATH NAME ('s): | East L | ime Creek | | | | |
|------------------------------------|-----------------------|-----------------|-----------------|---------|---------|-----------------|
| Path Reference N | umber: _ | 152149 Z | one: I | | Area: | 5 |
| Map Number: 7 | P | hotograph Numb | er: <u>32,3</u> | 33,35 | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: | OU' Bot | tom Elev.: 9 | <u> </u> | ertical | l Fall: | 600' |
| Length of Path: | 1166' | Number of St | arting Zo | ones: _ | Multipl | <u>.e</u> |
| <u>St</u> | arting Z | one | Track | | Run | out Zone |
| Slope Angle | 50° | | 340 | | | 45 ⁰ |
| Area Acres | 14 | Mean Width | 1600' | Area | Acres_ | 5 |
| | | Length | 361 | | | |
| Tree Line | В | | В | | | В |
| TERRAIN AND VEGE | TATION C | OVER: | | | | |
| Starting Zone: and cliffs, very | | | | uding 1 | narrow | rock bands |
| and cilis, ver | y Tigur a | ispen, tarus an | u grass | | | |
| Track: Broad op | _ | = | | | | and cliffs and |
| exposed bedrock | , talus, | moderate aspen | , willow | s and g | grass | |
| | | | | | | |
| Runout Zone: Bro | oad open | slope, talus | | | | |
| | | | | | | |
| HISTORY: II. | crossed h | nighway: 8 | | | | |
| III. | events: | 15 | | | | |
| 1 | nighway: Eull-trac | | | | | |
| _ | . a.t.t.= F1 9(| .A. 4 | | | | |



| PATH NAME ('s): | West Lime Creek | | | |
|------------------|--|------------|---------|-----------------|
| Path Reference N | umber:152150 | Zone: | I Ar | tea:5 |
| Map Number:7 | Photograph N | umber: 33, | ,34,35 | |
| | 00' Bottom Elev.: 1389'_ Number of | | | |
| <u>St</u> | arting Zone | Track | | Runout Zone |
| Slope Angle | 31° | 30° | | 27 ^o |
| Area Acres | 16 Mean Wi | dth 2200 | Area Ad | eres11 |
| | Leng | th 943' | | |
| Tree Line | В | В | ****** | В |
| TERRAIN AND VEGE | TATION COVER: | | | |
| | Broad open slope, boy light aspen, coni | | _ | |
| | en slope, benches in ght aspen, conifero | _ | | |
| Runout Zone: Bro | oad open slope, talı | us | | |
| III. e h | rossed highway: 11 vents: 23 ighway: 5 ull-track: 6 | | | |



| PATH NAME ('s): | Gobblers Kno | ъЪ | | | |
|--------------------------------|---|---------------|-------------------|-----------|----------------------|
| Path Reference 1 | Number: 15215 | <u>51</u> Zor | ne: <u>I</u> | _ Area: | 5 |
| Map Number: | 7 Photo | graph Numbe | r: <u>32,33,3</u> | 34 | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1030 | Bottom | Elev.: 9700 | Verti | cal Fall | : 600' |
| Length of Path: | 1253' Nur | mber of Sta | rting Zones | : Multi | <u>pl</u> e |
| St | tarting Zone | | Track | Ru | nout Zone |
| Slope Angle | 45° | | | - | 22 ⁰ |
| Area Acres | 10 | Mean Width | Ar | ea Acres | 8 |
| | | Length | <u>447 '</u> | | |
| Tree Line | В | | В | | В |
| TERRAIN AND VEGI | ETATION COVER | : | | | |
| Starting Zone: 1 | _ | ope topped 1 | by cliff ba | nd with | t al us below |
| Track: Broad op | en slope, tal | us | | | |
| Runout Zone: Band willows belo | | pe, talus w | ith moderat | e conifei | rous, grass |
| HISTORY: III. | events: 24 highway: 0 full-track: | 2 | | | |



| PATH NAME ('s): Deer Creek North | | | | | | | |
|--|--|------------|--------------|----------------------|---|--|--|
| Path Reference N | umber: <u>152152</u> | Zone: | I | Area:4 | | | |
| Map Number: 7 Photograph Number: 36 | | | | | | | |
| SPECIFICATIONS: Top Elev.: 9920' Length of Path: | | | | | | | |
| | | | | | | | |
| <u>St</u> | arting Zone | Tr | ack | Runout Zone | | | |
| Slope Angle | 45° | | | 0 | | | |
| Area Acres | 1.6 Mean | Width 4 | 00' Area | Acres12 | | | |
| | L | ength 1 | 00' | | | | |
| Tree Line | В | <u>B</u> | | B | | | |
| TERRAIN AND VEGETATION COVER: Starting Zone: Broad open slope, exposed boulders, bedrock and bare ground | | | | | | | |
| Track: Broad open slope, exposed boulders, bedrock and bare ground | | | | | | | |
| Runout Zone: Br | oad open slope, | exposed bo | oulders, bed | rock and bare ground | 1 | | |
| HISTORY: III. | events: 2 highway: 0 full-track: 0 | | | | | | |

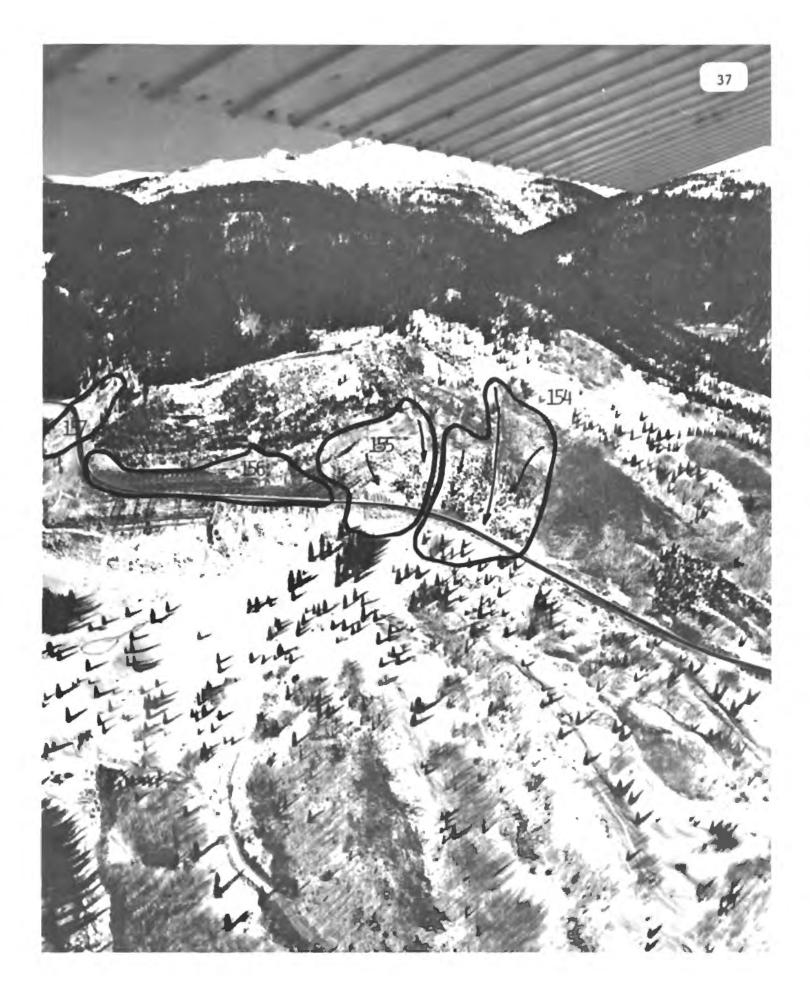
| PATH NAME ('s): | Deer Creek | South | | | |
|-------------------------------------|--|------------------------|---------------|-----------------|---------------------|
| Path Reference N | umber: 1521 | 153 z | one: I | Area: | 4 |
| Map Number:7 | Phot | ograph Numb | er: <u>36</u> | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1016 | Bottom | Elev.: 989 | 0' Ve | rtical Fall: | 270' |
| Length of Path: | 525' N | umber of St | arting Zo | nes: 2 | proces ² |
| St | arting Zone | <u>.</u> | Track | Rune | out Zone |
| Slope Angle | 22° | | 34° | | 22° |
| Area Acres | 2.5 | Mean Width | 1200 | Area Acres_ | 6 |
| | | Length | 361 | | |
| Tree Line | В | | B | Week the second | В |
| TERRAIN AND VEGE | TATION COVE | R: | | | |
| Starting Zone: coniferous, light | Broad open ht aspen and | bowl-shaped I grass | l depressi | on, talus, m | oderate |
| Track: Broad o | pen depress: | ion, talus, | moderate | coniferous, | light |
| Runout Zone: B | ed of Deer (| Creek | | | |
| 1 | events: 8 highway: 2 full-track: | 2 | | | |



| PATH NAME ('s): | Swamp | | | |
|---|-----------------------------------|--------------|--------------------|--------------------------------------|
| Path Reference | Number: <u>152</u> | 154 Zoi | ne: <u>I</u> | Area:3 |
| Map Number:7 | ',8 Photos | graph Numbe: | r: <u>36,37,</u> 3 | 8 |
| SPECIFICATIONS: | | | | |
| Top Elev.: 1060 | 10' Bottom 1 | Elev.: 1010 | 00' Vertic | al Fall:500' |
| Length of Path: | 860' Nur | mber of Star | rting Zones: | 3 |
| <u>s</u> | tarting Zone | | Track | Runout Zone |
| Slope Angle | 39° | | 39° | 9° |
| Area Acres | 3.5 | Mean Width | 400 Are | a Acres7 |
| | | Length | 325 | |
| Tree Line | В | | <u>B</u> | <u> </u> |
| TERRAIN AND VEG | ETATIÓN COVER | : | | |
| Starting Zone: center, moderat | | | | ed depression near bare ground |
| Track: Broad op midtrack rockba bare ground | | | | ssion near center, ous, grass and |
| Runout Zone: I | Broad open slo | pe, moderat | e small coni | ferous and grass |
| HISTORY: II. | crossed highw | ay: 17 | | |
| III. | events: 12 highway: 1 full-track: | 1 | | |

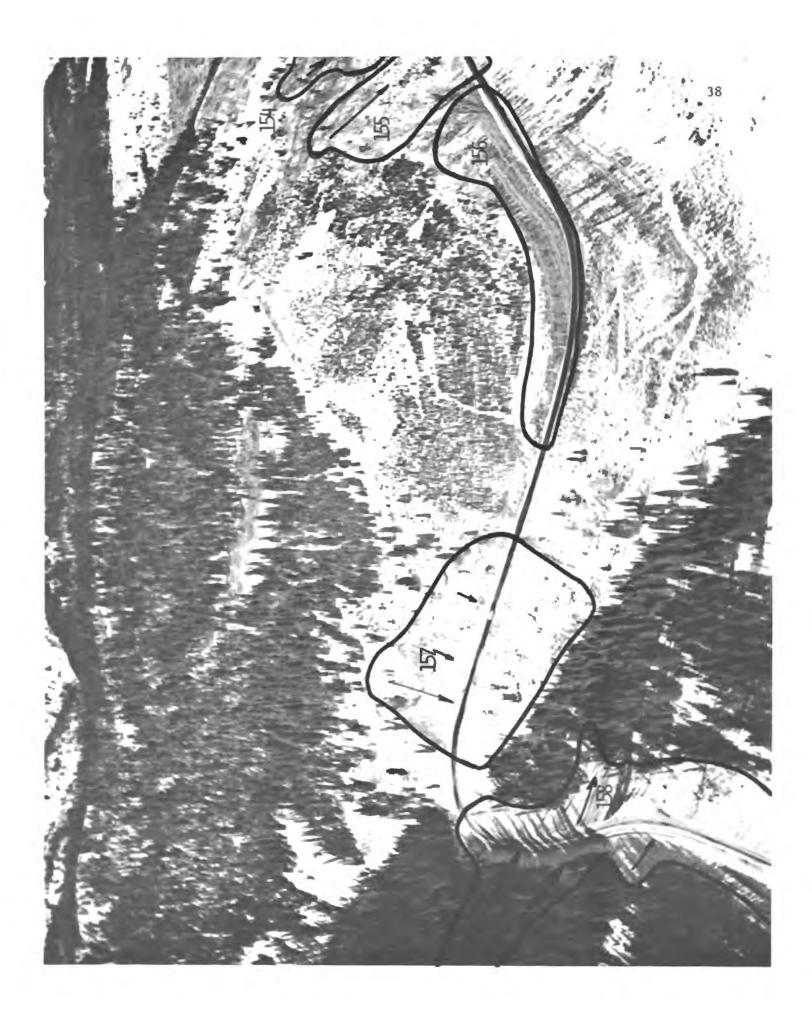
| PATH NAME ('s): | Henry Brow | vn | | | |
|------------------------------------|--|----------------|-----------------|---|----------------|
| Path Reference N | Number: 1521 | .5 5 Zo | ne: I | Area: | 3 |
| Map Number:7 | ,8 Photo | graph Numbe | r: <u>36-38</u> | _ | |
| SPECIFICATIONS: Top Elev.: 1040 | O' Bottom | Elev.: 1010 | 0' Vert: | ical Fall: _ | 300' |
| Length of Path: | 670' Nu | mber of Sta | rting Zones | s: <u>2</u> | |
| St | arting Zone | | Track | Runou | it Zone |
| Slope Angle | 27° | | 15° | *************************************** | 16° |
| Area Acres | 1 | Mean Width | 200' A | rea Acres | 4 |
| | | Length | 621' | | |
| Tree Line | В | | В | | В |
| TERRAIN AND VEGE | TATION COVER | : | | | |
| Starting Zone: B talus, moderate | | | ıllow depre | ssion to the | e north, light |
| Track: Broad op bedrock and tal | | | | | , exposed |
| Runout Zone: Br | oad open slop | oe, talus, b | are ground | and grass | |
| III. e h | rossed highwa vents: 24 ighway: 10 ull-track: 8 | | | | |

| PATH NAME ('s): | Coal Bank | | |
|--------------------------------|------------------------------------|--------------------|-------------------|
| Path Reference N | Number: 152156 | Zone: I A | rea:3 |
| Map Number: 7,8 | 8 Photograph Nu | mber: <u>37,38</u> | |
| SPECIFICATIONS: | | | |
| Top Elev.: 10280 | O' Bottom Elev.: 1 | 0200' Vertical | Fall: <u>80'</u> |
| Length of Path: | 128' Number of | Starting Zones: | <u>Multipl</u> e |
| St | tarting Zone | Track | Runout Zone |
| Slope Angle | 39° | | 0 |
| Area Acres | _4 Mean Wid | th Area A | .cres1 |
| | Lengt | h | |
| Tree Line | B | <u>B</u> | В |
| TERRAIN AND VEGI | ETATIÓN COVER: | | |
| | Broad bowl-shaped dep | | edrock and talus, |
| Track: Broad bo bare ground | wl-shaped depression | exposed bedrock b | ands, grass and |
| Runout Zone: Br below | oad open slope, talus | , bare ground with | willows and grass |
| HISTORY: II. | crossed highway: 19 |) | |
| III. | events: 1 highway: 0 full-track: 1 | | |



| PATH NAME ('s): Coal Creek East |
|---|
| Path Reference Number: 152157 Zone: I Area: 2 |
| Map Number: 8 Photograph Number: 37,38 |
| SPECIFICATIONS: |
| Top Elev.: 10500' Bottom Elev.: 10300' Vertical Fall: 120' |
| Length of Path: 156' Number of Starting Zones: 4 |
| Starting Zone Track Runout Zone |
| Slope Angle <u>54°</u> <u>0</u> |
| Area Acres 2 Mean Width Area Acres .4 |
| Length |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Shallow depression, light coniferous, grass and bare ground |
| |
| Track: Broad open slope, exposed bedrock, boulders, road cut and bare groun |
| |
| |
| Runout Zone: Broad open slope, boulders, brush and bare ground |
| |
| HISTORY: II. (157 and 158) crossed highway: 11 |
| III. events: 7 |
| highway: 1 full-track: 1 |

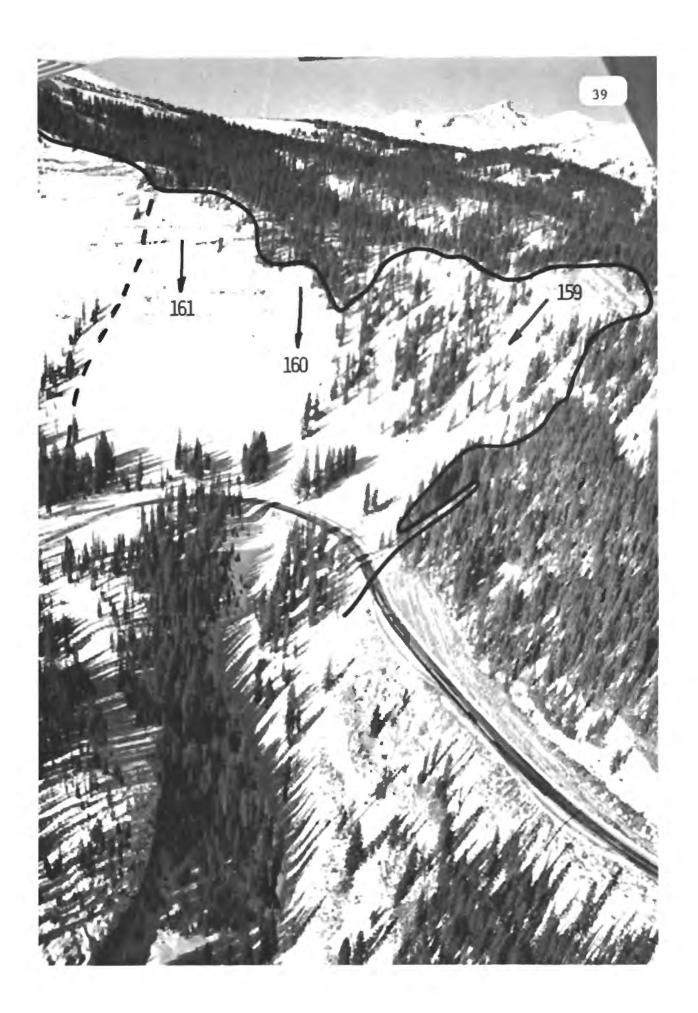
| PATH NAME ('s): Coal Creek West | | | | | |
|-----------------------------------|-----------------------------------|--------------|----------------|------------------|----------|
| Path Reference | Number: <u>15215</u> | 8 Zor | ne: | <u>I</u> Area: _ | 2 |
| Map Number: | 8 Photog | graph Number | 38 | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 1076 | Bottom I | Elev.: 1030 | <u>00'</u> Ver | tical Fall: | 460' |
| Length of Path: | 1011' Nun | nber of Star | cting Zon | nes: Multiple | 2 |
| <u>s</u> | tarting Zone | | <u>Track</u> | Runc | out Zone |
| Slope Angle | 26° | | | | 39° |
| Area Acres | N | Mean Width | 100' | Area Acres_ | 2 |
| | | Length | 762' | | |
| Tree Line | B | | B | | В |
| TERRAIN AND VEG | ETATION COVER: | : | | | |
| Starting Zone: moderate conife | | | ed vertio | cal bands of | bedrock, |
| Track: Broad op | | | al bands | of bedrock, | light |
| Runout Zone: Br | road open slop | e, heavy co | niferous | and grass | |
| HISTORY: II. | (157 and 158) crossed highw | ay: 11 | | | |
| III. | events: 10 highway: 2 full-track: | 5 | | | |



| PATH NAME ('s): Engineer Mtn. A |
|--|
| Path Reference Number: 152159 Zone: I Area: 1 |
| Map Number: 8 Photograph Number: 39 |
| SPECIFICATIONS: |
| Top Elev.: 11200' Bottom Elev.: 10600' Vertical Fall: 600' |
| Length of Path: 1342' Number of Starting Zones: 5 |
| Starting Zone Track Runout Zone |
| Slope Angle 45° 34° 18° |
| Area Acres 4.5 Mean Width 500' Area Acres 6 |
| Length 361' |
| Tree Line B B |
| TERRAIN AND VEGETATION COVER: Starting Zone: Broad open slope, exposed rock bands, grass and bare ground |
| Track: Broad open slope, few exposed boulders, light coniferous and gras |
| Runout Zone: Broad v-shaped depression, light boulders and grass |
| HISTORY: II. (Engineer Mt.) crossed highway: 7 III. events: 24 highway: 0 |
| full-track: 6 |

| PATH NAME ('s): Engineer Mtn. B | | | | | |
|---|------------------------------|--|--|--|--|
| Path Reference Number: 152160 Zone: | I Area:1 | | | | |
| Map Number: 8 Photograph Number: | 39 | | | | |
| SPECIFICATIONS: Top Elev.: 11200' Bottom Elev.: 10600 |)' Vertical Fall: 600' | | | | |
| Length of Path: 1342' Number of Starti | | | | | |
| Starting Zone Tr | ack Runout Zone | | | | |
| Slope Angle 53° 4 | <u>14°</u> | | | | |
| Area Acres 1 Mean Width 1 | 00' Area Acres 2 | | | | |
| Length | 283' | | | | |
| Tree Line B | <u>B</u> <u>B</u> | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | |
| Starting Zone: Broad open slope with shall bands, cliffs, grass | ow depressions, exposed rock | | | | |
| Track: Broad open slope with shallow depressions, grass | | | | | |
| Runout Zone: Broad open slope, light boulders, grass with moderate coniferous below | | | | | |
| HISTORY: II. (Engineer Mt.) crossed highway: 7 | | | | | |
| <pre>III. events: 32 highway: 0 full-track: 11</pre> | | | | | |

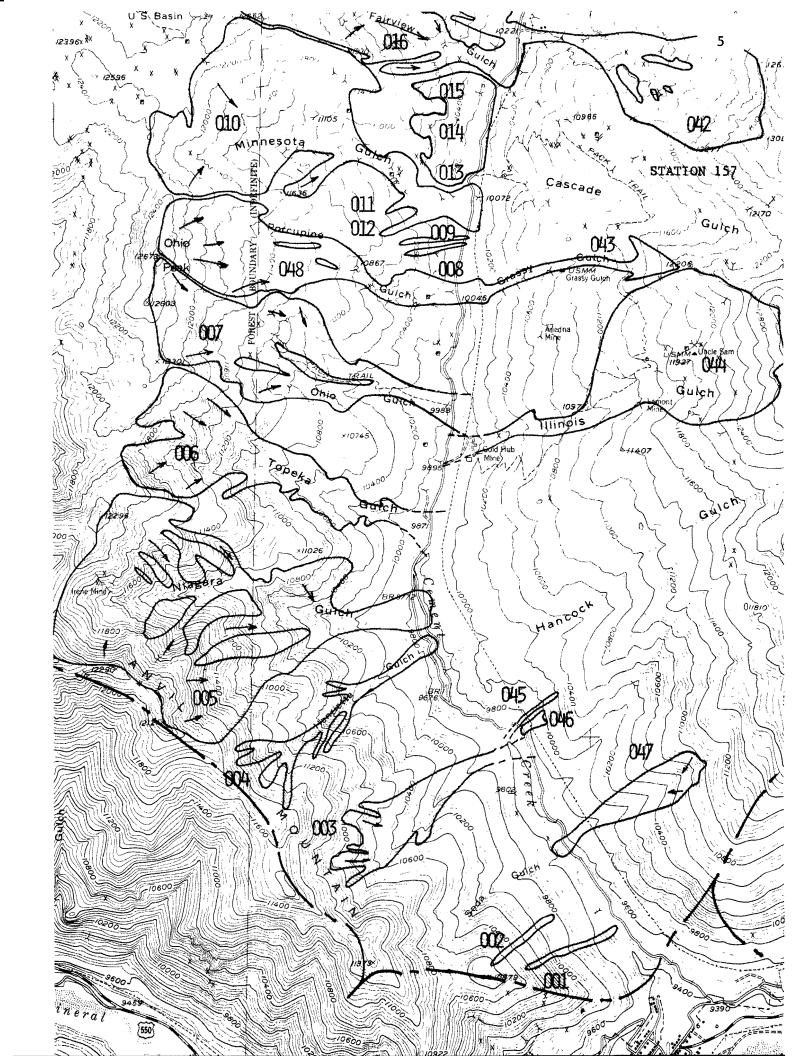
| PATH NAME ('s): | Engineer Mtr | ı. C | | | | |
|---|--------------------------------------|-----------------|------------------|---------------------|--|--|
| Path Reference Number: 152161 Zone: I Area: 1 | | | | | | |
| Map Number: | 8 Photogr | aph Number | r: <u>39</u> | | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: 1140 | DO' Bottom El | .ev.: <u>10</u> | 600' Vertica | l Fall: <u>800'</u> | | |
| Length of Path: | | er of Star | rting Zones: _ | 2 | | |
| <u>s</u> | tarting Zone | | Track | Runout Zone | | |
| Slope Angle | <u>53°</u> | | _58° | 27° | | |
| Area Acres | 1.5 Me | an Width | <u>100'</u> Area | Acres_1 | | |
| | | Length | 472' | | | |
| Tree Line | B | | B | В | | |
| TERRAIN AND VEG | ETATION COVER: | | | | | |
| Starting Zone: bands, cliffs, | | pe with sh | allow depress | ions, exposed rock | | |
| Track: Broad bands and grass | open slope with s | shallow d | epressions, e | xposed rock | | |
| Runout Zone: Be coniferous belo | road open slope ow | , light bo | ulders, grass | with moderate | | |
| HISTORY: II. | (Engineer Mt.) crossed highway | y: 7 | | | | |
| III. | events: 24 highway: 0 full-track: 10 | 0 | | | | |



SECTION VI

Cement Creek
Colorado Highway 110

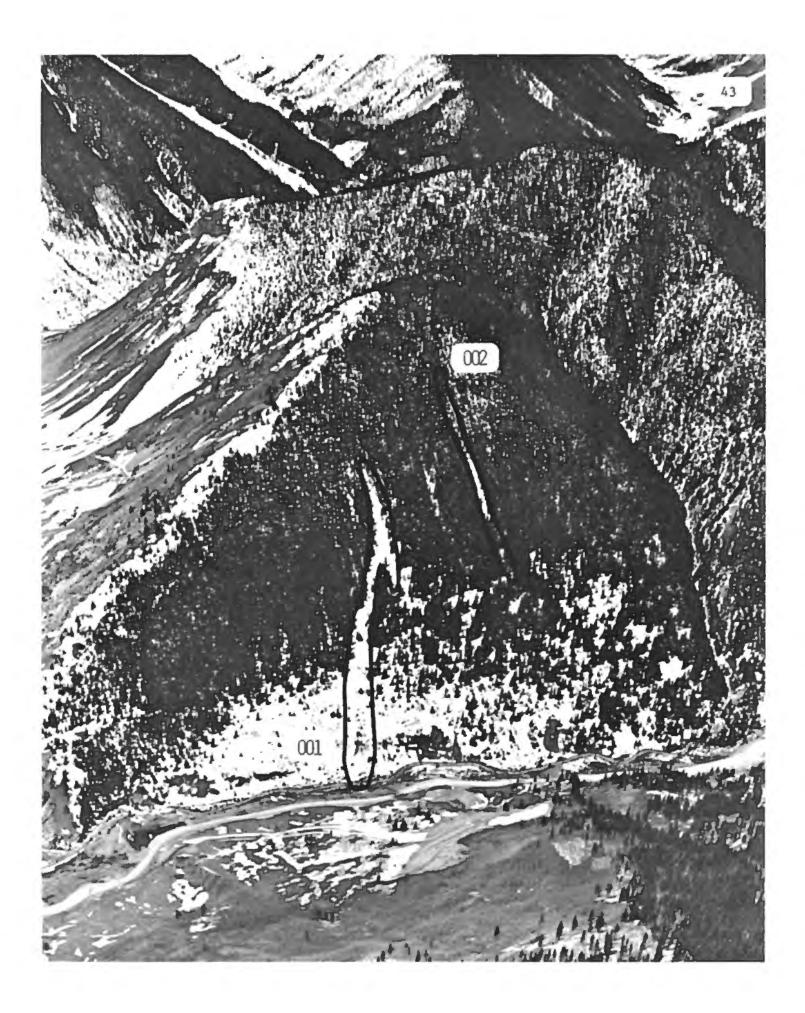
Avalanche paths: 157001 - 157049





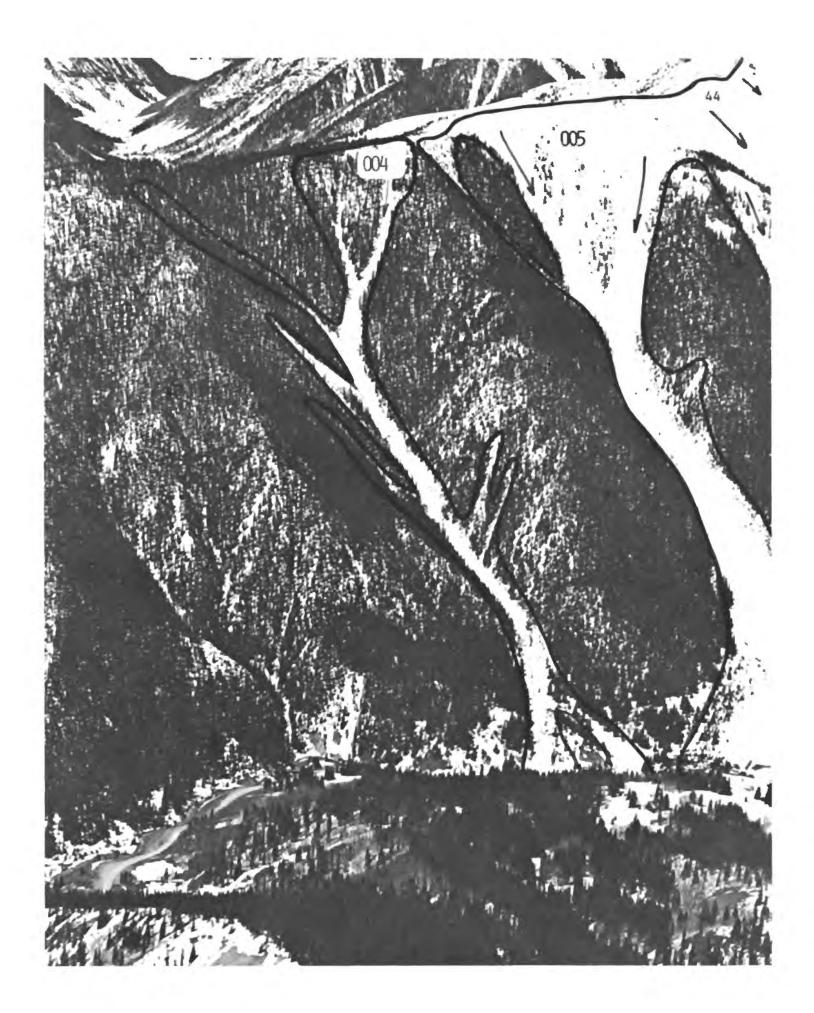
| PATH NAME ('s): Pt. 10899 | | | | | | | | |
|--|-------------|-----------|------|---------|--------|---------|-----------------|--|
| Path Reference Nu | mber: 157 | 001 | Zon | ne: | | Area: | 1 | |
| Map Number: 5 Photograph Number: 43 | | | | | | | | |
| SPECIFICATIONS: Top Elev.: 10400 Bottom Elev.: 9440 Vertical Fall: 9439 | | | | | | | | |
| Length of Path: | 2178' N | umber of | Star | ting Zo | ones: | 1 | | |
| Sta | rting Zone | <u>.</u> | | Track | | Rune | out Zone | |
| Slope Angle | 45° | | | 31° | | | 16 ⁰ | |
| Area Acres | 1 | Mean Wid | dth | 100 ° | Area | Acres_ | 3 | |
| | | Leng | th | 1167 | | | | |
| Tree Line _ | В | | | B | | Months | В | |
| TERRAIN AND VEGET | 'ATION COVE | R: | | | | | | |
| Starting Zone: N_{i} | arrow depre | ession, s | mal1 | rock o | utcrop | s and g | rass | |
| Track: Narrow shallow depression, light aspen and grass | | | | | | | | |
| Runout Zone: Broad open slope, light coniferous and aspen and grass | | | | | | | | |
| HISTORY: | | | | | | | | |

| PATH NAME ('s): | Scotch | | | | | | | |
|---|------------------|----------|--------------|--------------|--------|---------|---------|--|
| Path Reference N | Number: <u>1</u> | 57002 | Zo | ne: V | | \rea: _ | 1 | |
| Map Number: 5 Photograph Number: 43 | | | | | | | | |
| SPECIFICATIONS: Top Elev.: 10800' Bottom Elev.: 9840' Vertical Fall: 960' | | | | | | | | |
| Length of Path: | <u>1739'</u> | Number | of Sta | rting Zo | nes: | 1 | • | |
| - | arting Zo | one | | Track 31° | | | ut Zone | |
| Slope Angle | | | | | | | | |
| Area Acres | | Mean | Width | 100' | Area A | Acres | 3 | |
| | | L | ength | 1167 | | | | |
| Tree Line | B | | | В | | - | В | |
| TERRAIN AND VEGE | TATION CO | OVER: | | | | | | |
| Starting Zone: Na and grass. | arrow sha | llow gul | ley wit | h medium | to hea | ıvy con | iferous | |
| Track: narrow sha | allow gul | ley with | grass. | | | | | |
| Runout Zone: Med | dium to h | eavy tim | b er. | | | | | |
| HISTORY: | | | | | | | | |



| PATH NAME ('s): Bend | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| Path Reference Number: 157003 Zone: V Area: 1 | | | | | | | | |
| Map Number: 5 Photograph Number: | | | | | | | | |
| SPECIFICATIONS: | | | | | | | | |
| Top Elev.: 11000° Bottom Elev.: 9600° Vertical Fall: 1400° | | | | | | | | |
| Length of Path: 4546° Number of Starting Zones: 7 | | | | | | | | |
| Starting Zone Track Runout Zone | | | | | | | | |
| Slope Angle 30° 20° 13° | | | | | | | | |
| Area Acres 8 Mean Width 200 Area Acres 10 | | | | | | | | |
| Length <u>2660</u> | | | | | | | | |
| Tree Line B B | | | | | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | | | | |
| Starting Zone: Broad v-shaped basin, moderate to heavy coniferous, north portion: bare ground and rock | | | | | | | | |
| Track: V-shaped depression, moderate coniferous | | | | | | | | |
| Runout Zone: Open slope, moderate coniferous and grass | | | | | | | | |
| HISTORY: | | | | | | | | |

| PATH NAME ('s): | Henrietta G | ulch | | | | | |
|---|--|--------------------|-----------|---------------|------------------|--|--|
| Path Reference 1 | Number: <u>157</u> | 004 Zo | ne: | V Are | a: <u>1</u> | | |
| Map Number: 5 Photograph Number: 44,45 | | | | | | | |
| SPECIFICATIONS: | | | | | | | |
| Top Elev.: <u>1160</u> | 0 Bottom | Elev.: <u>9700</u> | Ve | rtical Fa | 11: <u>1900'</u> | | |
| Length of Path: | 4955 No | umber of Sta | rting Zo | nes: <u>8</u> | | | |
| <u>S1</u> | tarting Zone | | Track | : | Runout Zone | | |
| Slope Angle | <u>34°</u> | | 23° | | 13° | | |
| Area Acres | 8 | Mean Width | 100' | Area Acr | es <u>10</u> | | |
| | | Length | 3259 · | | | | |
| Tree Line | B | | В | | B | | |
| TERRAIN AND VEGI | ETATIÓN COVE | R: | | | | | |
| Starting Zone: Broad v-shaped basin, heavy coniferous; small light coniferous and grass in lightly vegetated side gullies | | | | | | | |
| Track: Narrows | to v-shaped | gully, small | light c | oniferous | and grass | | |
| Runout Zone: Br and grass | oad open slo | pe, moderate | e to heav | y conifer | ous, aspen | | |
| HISTORY: III. | events: 1 highway: 0 full-track: | | | | | | |



| PATH NAME ('s): | Irene | | | | | | |
|---|--|-------------------|---------------|------------------------------------|--|--|--|
| Path Reference 1 | Number: <u>15</u> 7 | 7005 Zoi | ne: <u>V</u> | Area:2 | | | |
| Map Number: 5 Photograph Number: 44,45,46 | | | | | | | |
| SPECIFICATIONS: | | | | | | | |
| Top Elev.: <u>1240</u> | O Bottom | Elev.: <u>980</u> | O' Vertic | al Fall: <u>2600</u> | | | |
| Length of Path: | 6641 Nu | mber of Sta | rting Zones: | Multiple | | | |
| <u>S1</u> | tarting Zone | | Track | Runout Zone | | | |
| Slope Angle | _39° | | 25° | 11° | | | |
| Area Acres | 50 | Mean Width | 400 Are | a Acres 45 | | | |
| | | Length | <u>3761 •</u> | | | | |
| Tree Line | A | | В | <u>B</u> | | | |
| TERRAIN AND VEG | ETATION COVER | .; | | | | | |
| Starting Zone: E large and small | | | | light to moderate d bare ground | | | |
| Track: Narrows bare ground | s to v-shaped | gully, ligh | t small coni | ferous, grass and | | | |
| Runout Zone: Br | oad open slop | pe, light co | niferous and | grass | | | |
| HISTORY: I. F | Sebruary, 1905 San Juan Cour | • | | an avalanche in e Mine | | | |
| b | events: 6 nighway: 0 full-track: (|) | | | | | |

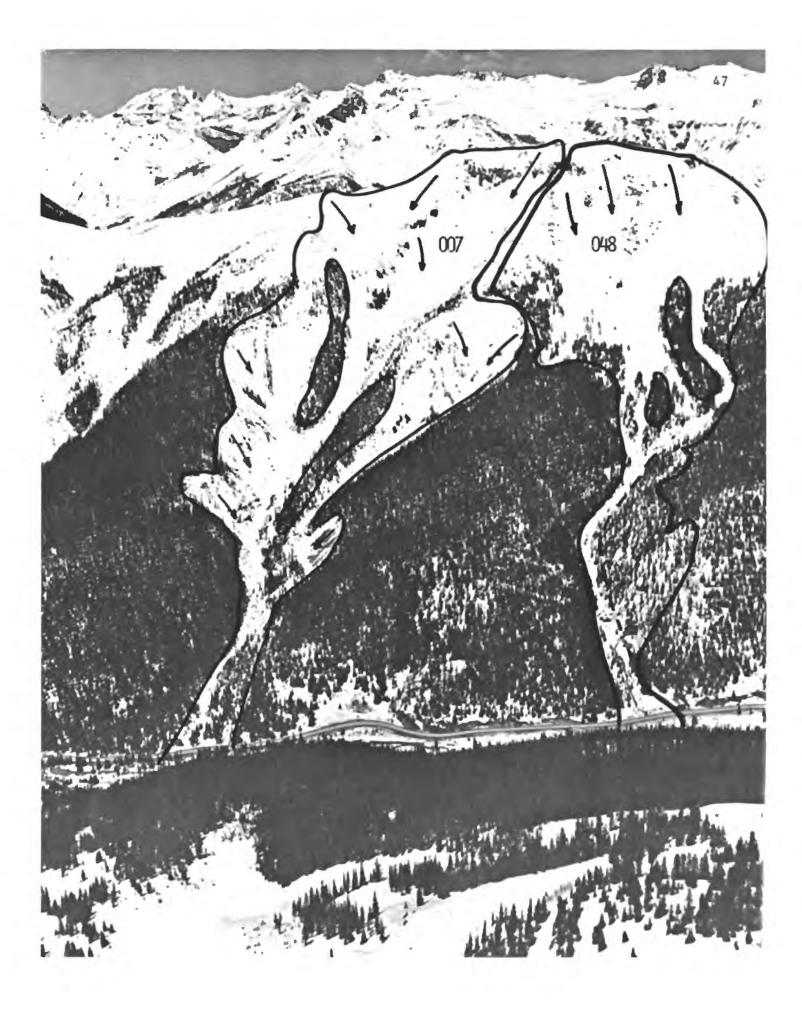


| PATH NAME ('s): To | peka Gulch | | | | | | |
|--|---------------------|-----------|-----------------|-------------|----------|--|--|
| Path Reference Num | nber: <u>157006</u> | Zo | ne: V | Area: _ | 2 | | |
| Map Number: 5 | Photogra | aph Numbe | r: <u>45,46</u> | | | | |
| SPECIFICATIONS: | | | | | | | |
| Top Elev.: 12000* | Bottom Ele | ev.: 990 | 00 Vert | ical Fall: | 2100 | | |
| Length of Path: 6 | 638° Number | er of Sta | rting Zone | s: Multiple | | | |
| Stai | rting Zone | | Track | Runo | ut Zone | | |
| Slope Angle | 39 ⁰ | | 17° | ******** | 11° | | |
| Area Acres | 45 Me: | an Width | 200' A | rea Acres_2 | 4 | | |
| | | Length | 41 58 ° | | | | |
| Tree Line | <u>A</u> | | B | | <u>B</u> | | |
| TERRAIN AND VEGETA | ATION COVER: | | | | | | |
| Starting Zone: Bro | oad open basi | n, rock o | utcrops an | d grass | | | |
| | | | | | | | |
| Track: Narrows to depression with small light coniferous, small rock outcrops, grass and bare ground | | | | | | | |
| Runout Zone: Heav | y coniferous | and asper | n | | | | |
| HISTORY: | | | | | | | |



| PATH NAME ('s): | Ohio Gulch | | | | | | | |
|---|-----------------------|--------------------|------------------------|--|--|--|--|--|
| Path Reference No | umber: 157007 | Zone: V A | rea: 2 | | | | | |
| Map Number: 5 Photograph Number: 46,47 | | | | | | | | |
| SPECIFICATIONS: Top Elev.: 12600° Bottom Elev.: 9980° Vertical Fall: 2620° | | | | | | | | |
| Length of Path: | 7762° Number of S | Starting Zones: Mu | ltiple | | | | | |
| Sta | arting Zone | Track | Runout Zone | | | | | |
| Slope Angle | <u>43</u> ° | _23° | <u>9</u> ° | | | | | |
| Area Acres | 48 Mean Widt | th 200' Area Ac | eres36 | | | | | |
| | Lengtl | 4780° | | | | | | |
| Tree Line | A | B | B | | | | | |
| TERRAIN AND VEGET | ration cover: | | | | | | | |
| Starting Zone:] | Broad open knoll, lar | ge rock outcrops, | light small coniferous | | | | | |
| Track: V-shaped gully, bare ground | | | | | | | | |
| Runout Zone: Broad open slope, heavy coniferous | | | | | | | | |
| HISTORY: | | | | | | | | |

| PATH NAME ('s): | Porcupin | e Gulch | | | | |
|-----------------------------------|---------------|-----------------|--------------|-------------|----------|-----------|
| Path Reference N | Number: | 1 <i>5</i> 7048 | Zone: _ | V | Area: | 2 |
| Map Number: | <u> </u> | otograph N | Number: | 47 | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: <u>1260</u> | 00 Bott | om Elev.: | 10050 | Vertic | al Fall: | 2550 |
| Length of Path: | 6690 ' | Number of | Starting | Zones: | Multipl | <u>.e</u> |
| St | arting Zo | <u>one</u> | Trac | <u>k</u> | Run | out Zone |
| Slope Angle | 45° | | 20' | 0 | | 14° |
| Area Acres | <u>18</u> | Mean Wi | dth 200 | Are | a Acres_ | 15 |
| | | Leng | th <u>42</u> | 57 ' | | |
| Tree Line | A | | B | | | В |
| TERRAIN AND VEGE | ETATION CO | VER: | | | | |
| Starting Zone: talus. | Open slop | oe, numerou | ıs gullies | , rock | outcrops | , and |
| Track: V-gulley, willows and gras | | s with rock | c outcrops | , light | conifer | ous, |
| Runout Zone: Natcreek then up adv | | | e with gr | ass. Cr | osses hi | ghway, |
| HISTORY: | | | | | | |



| PATH NAME ('s): | Red Point South | | | | | | |
|--|------------------------------------|-------------|-------------|-------------|--|--|--|
| Path Reference | Number: <u>157008</u> Zo | one: | V Area: | 3 | | | |
| Map Number: 5 Photograph Number: 48 | | | | | | | |
| SPECIFICATIONS: | | | | | | | |
| Top Elev.: 110 | 00' Bottom Elev.: 100 | 00 Ve | rtical Fall | : 1000 | | | |
| Length of Path: | 1369' Number of Sta | arting Zo | nes:1 | ** | | | |
| <u>s</u> | tarting Zone | Track | Ru | nout Zone | | | |
| Slope Angle | 39° | <u>34</u> ° | | 11° | | | |
| Area Acres | Mean Width | 50 ' | Area Acres | 2 | | | |
| | Length | 724 | | | | | |
| Tree Line | B | В | | <u>B</u> | | | |
| TERRAIN AND VEGETATION COVER: Starting Zone: Narrow path, light small coniferous and grass | | | | | | | |
| Track: Narrow path, light small coniferous and grass | | | | | | | |
| Runout Zone: Co | one-shaped fan, light co | niferous, | grass and | bare ground | | | |
| HISTORY: III. | events: 1 highway: 1 full-track: 1 | | | | | | |

| PATH NAME ('s): | Red Point No | rth | |
|------------------------------------|------------------------------------|-------------------|-------------|
| Path Reference N | Tumber: 157009 | Zone: V | Area:3 |
| Map Number:5 | Photograph | Number: 48 | |
| | 0' Bottom Elev.: | | |
| | arting Zone | Track | Runout Zone |
| Slope Angle | 34° | 3 ⁴⁴ ° | 11° |
| Area Acres | Mean W | | ea Acres2 |
| | Len | 19th 724° | |
| Tree Line | В | B | B |
| TERRAIN AND VEGE Starting Zone: | TATION COVER: | small coniferous | and grass |
| Track: Narrow p | ath, light small co | oniferous and gra | ss |
| Runout Zone: Br | oad open slope, gra | ass and bare grou | nd |
| HISTORY: III. | events: 1 highway: 0 full-track: 0 | | |

| PATH NAME ('s) | : Minnesota Gulch | | |
|--------------------------|------------------------------------|-----------------------|---|
| Path Reference | Number: <u>157010</u> | Zone: V | Area:3 |
| Map Number: | 5, 6 Photograph | Number: <u>48</u> | |
| SPECIFICATIONS | : | | |
| Top Elev.: 12 | Bottom Elev.: | | 1 Fall: 2400 |
| Length of Path | : <u>7434</u> Number o | f Starting Zones: | Multiple |
| | Starting Zone | Track | Runout Zone |
| Slope Angle | _34° | _19 ⁰ | <u> 18° </u> |
| Area Acres | 80 Mean W | idth <u>200°</u> Area | Acres 40 |
| | Len | gth <u>4336</u> | |
| Tree Line | A | В | B |
| TERRAIN AND VE | GETATIÓN COVER: | | |
| Starting Zone: and grass | Broad open basin wi | th several depress | sions, rock outcrops |
| Track: V-shape | ed gully, rock, moder | ate coniferous and | l bare ground |
| Runout Zone:] | Broad fan, light smal | l coniferous and g | grass |
| HISTORY: III | events: 3 highway: 0 full-track: 0 | | |

| PATH NAME ('s): Minneapolis | | | |
|--|--|--|--|
| Path Reference Number: 157011 Zone: V Area: 3 | | | |
| Map Number: 5 Photograph Number: 48 | | | |
| SPECIFICATIONS: | | | |
| Top Elev.: 11000 Bottom Elev.: 10000 Vertical Fall: 1000 | | | |
| Length of Path: 11700° Number of Starting Zones: 2 | | | |
| Starting Zone <u>Track</u> Runout Zone | | | |
| Slope Angle 45° 34° 18° | | | |
| Area Acres 1 Mean Width 50° Area Acres 2 | | | |
| Length <u>362</u> | | | |
| Tree Line B B | | | |
| TERRAIN AND VEGETATION COVER: | | | |
| Starting Zone: Narrow depression, moderate coniferous | | | |
| | | | |
| Track: Narrow depression, moderate coniferous | | | |
| | | | |
| | | | |
| Runout Zone: Open slope, moderate small coniferous and grass | | | |
| | | | |
| HISTORY: | | | |

| PATH NAME ('s): | St. Paul | | | | |
|----------------------------------|---------------------|---------------|-----------------|-------------|-----------|
| Path Reference N | umber: <u>15701</u> | .2 Z o | ne: <u>V</u> | Arca: | 3 |
| Map Number: | 5 Photogr | raph Numbe | r: <u>48</u> | | |
| SPECIFICATIONS: Top Elev.: 11200 | Bottom E | lev.: 1000 | 00 ' v e | rtical Fall | · 1200* |
| Length of Path: | | | | | |
| | arting Zone | | | | nout Zone |
| Slope Angle | 39° | | 34° | <u>-</u> | 18° |
| | 1 Mo | ean Width | _50 ' | Area Acres | 2 |
| | | Length | 603 | | |
| Tree Line | В | | B | - | В |
| TERRAIN AND VEGE | TATION COVER: | | | | |
| Starting Zone: 1 | Varrow depress | ion, moden | rate coni | ferous | |
| | | | | | |
| Track: Narrow de | epression, mod | erate coni | iferous | | |
| | | | | | |
| Runout Zone: Ope | en slope, mode | rate small | l conifer | ous and gra | 5S |
| • | | | | C | |
| | | | | | |
| HISTORY: | | | | | |

| PATH NAME ('s): Bad Number |
|--|
| Path Reference Number: 157013 Zone: V Area: 3 |
| Map Number: 5,6 Photograph Number: 48 |
| SPECIFICATIONS: |
| Top Elev.: 10800' Bottom Elev.: 10000' Vertical Fall: 800' |
| Length of Path: 1242 Number of Starting Zones: 2 |
| Starting Zone Track Runout Zone |
| Slope Angle 45° 39° 18° |
| Area Acres 1 Mean Width 200' Area Acres 5 |
| Area Acres 1 Mean Width 200° Area Acres 5 Length 643° |
| Tree Line B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Open slope, cliffs, rock outcrops, light to moderate coniferous |
| Track: Open slope, light coniferous, talus and grass |
| Runout Zone: Broad open slope, light small coniferous |
| HISTORY: III. events: 1 highway: 0 full-track: 0 |

| PATH NAME ('s): Eire | |
|---|--|
| Path Reference Number: 157014 Zon | e: <u>V</u> Area:3 |
| Map Number: 5,6 Photograph Number | : 48 |
| SPECIFICATIONS: Top Elev.: 11400 Bottom Elev.: 1010 Length of Path: 1841 Number of Star | |
| | |
| Starting Zone | Track Runout Zone |
| Slope Angle 45° | <u>41°</u> <u>18°</u> |
| Area Acres 2 Mean Width | 200 Area Acres 10 |
| Length | 928 |
| Tree Line B | <u>B</u> <u>B</u> |
| TERRAIN AND VEGETATION COVER: | |
| Starting Zone: South portion: open slop rock outcrops; north portion: broad gul grass | e with moderate coniferous and ly, rock outcrops, willows and |
| Track: Broad depression, willows and gra | ss |
| Runout Zone: Broad fan, grass | |
| HISTORY: III. events: 2 highway: 1 full-track: 1 | |

| PATH NAME ('s): Michigan | | | |
|---|--|--|--|
| Path Reference Number: 157015 Zone: V Area: 3 | | | |
| Map Number: 6,7 Photograph Number: 48 | | | |
| SPECIFICATIONS: | | | |
| Top Elev.: 11200 Bottom Elev.: 10100 Vertical Fall: 1100 | | | |
| Length of Path: 2041 Number of Starting Zones: Multiple | | | |
| Starting Zone Track Runout Zone | | | |
| Slope Angle <u>45°</u> <u>37°</u> <u>18°</u> | | | |
| Area Acres 2 Mean Width 300° Area Acres 15 | | | |
| Length 1127 | | | |
| Tree Line B B B | | | |
| TERRAIN AND VEGETATION COVER: | | | |
| Starting Zone: Open slope broken by large rock outcrops and cliffs, light coniferous and grass $% \left(1\right) =\left(1\right) +\left($ | | | |
| Track: Shallow gully, rock outcrops and scree in upper portion; lower portion: willows, light small coniferous | | | |
| Runout Zone: Broad fan, light coniferous and bare ground | | | |
| HISTORY: III. events: 2 highway: 1 full-track: 1 | | | |

| PATH NAME ('s |): Fairview | | | |
|---|------------------------------------|---------------|-----------------|---|
| Path Referenc | e Number: <u>157</u> | 016 zo | ne: V | Area:3 |
| Map Number: _ | 5,6 Phot | ograph Numbe | r: <u>48,49</u> | |
| SPECIFICATION | S: | | | |
| Top Elev.: 12 | :600 Bottom | Elev.: 101 | 00' Verti | cal Fall: 2500' |
| Length of Pat | h: <u>5018</u> N | umber of Sta | rting Zones | : Multiple |
| | Starting Zone | - | Track | Runout Zone |
| Slope Angle | _39° | | 25° | 16° |
| Area Acres | 42 | Mean Width | 300' Ar | ea Acres <u>36</u> |
| | | Length | 2869" | |
| Tree Line | A | | <u>B</u> | B |
| TERRAIN AND V | EGETATION COVE | R: | | |
| Starting Zone: South portion: broad depression, small rock outcrops and grass; north portion: broad basin, large rock outcrops, cliffs, talus and grass | | | | |
| grass; north | | | | mall rock outcrops and rock outcrops, light |
| Runout Zone: | Broad fan with | n several dep | ressions, g | rass |
| HISTORY: I. | 1929, took out | power poles | across Hig | hway 110 |
| III. | events: 5 highway: 0 full-track: 5 | 5 | | |



| PATH NAME ('s): Beatles |
|--|
| Path Reference Number: 157017 Zone: V Area: 3 |
| Map Number: 6 Photograph Number: 49 |
| SPECIFICATIONS: |
| Top Elev.: 11000 Bottom Elev.: 10100 Vertical Fall: 900 |
| Length of Path: 1587' Number of Starting Zones: 6 |
| Starting Zone Track Runout Zone |
| Slope Angle 34° 31° 14° |
| Area Acres 1 Mean Width 100° Area Acres 2 |
| Length 933' |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Broad open slope, large rock outcrops, cliffs, light coniferous |
| Track: Open slope with light small coniferous, scree and willows |
| Runout Zone: Broad open slope with light small coniferous, scree and willows |
| HISTORY: III. events: 3 highway: 0 full-track: 2 |

| PATH NAME ('s): Stones |
|---|
| Path Reference Number: 157018 Zone: V Area: 3 |
| Map Number: 6 Photograph Number: 49 |
| SPECIFICATIONS: |
| Top Elev.: 11500' Bottom Elev.: 10100' Vertical Fall: 1400' |
| Length of Path: 1442 Number of Starting Zones: Multiple |
| Starting Zone Track Runout Zone |
| Slope Angle 39° 14° |
| Area Acres 2 Mean Width 200 Area Acres 5 |
| Length 901' |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Broad open slope, large rock outcrops and cliffs, light coniferous |
| Track: Open slope with light small coniferous, scree and willows |
| Runout Zone: Broad open slope with light small coniferous, scree and willows |
| HISTORY: III. events: 3 highway: 0 full-track: 2 |

| PATH NAME ('s): Who |
|--|
| Path Reference Number: 157019 Zone: V Area: 3 |
| Map Number: 6 Photograph Number: 49 |
| SPECIFICATIONS: Top Elev.: 11500 Bottom Elev.: 10200 Vertical Fall: 1300 |
| Length of Path: 2704 Number of Starting Zones: Multiple |
| Starting Zone Track Runout Zone |
| Slope Angle 34° 34° 14° |
| Area Acres 6 Mean Width 200° Area Acres 12 |
| Length <u>1809</u> |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: Open slope, light coniferous and grass |
| Track: Shallow depression, light small coniferous and grass |
| Runout Zone: Broad open slope, light grass and bare ground |
| HISTORY: III. events: 2 highway: 0 full-track: 2 |

| PATH NAME ('s): Creme |
|--|
| Path Reference Number: 157020 Zone: V Area: 3 |
| Map Number: 6 Photograph Number: 49 |
| SPECIFICATIONS: |
| Top Elev.: 11000° Bottom Elev.: 10200° Vertical Fall: 800° |
| Length of Path: 1080° Number of Starting Zones: 3 |
| Starting Zone Track Runout Zone |
| Slope Angle 30° 27° 14° |
| Area Acres 5 Mean Width 200 Area Acres 5 |
| Length 449 |
| Tree Line B B B |
| TERRAIN AND VEGETATION COVER: |
| Starting Zone: V-shaped depression, light small coniferous and grass |
| Track: V-shaped shallow depression, small rocks and grass |
| Runout Zone: Broad open slope, moderate coniferous and grass |
| HISTORY: III. events: 3 highway: 0 full-track: 2 |

| PATH NAME ('s | s): Georgia Gulch | | |
|--|-----------------------------|------------------------|-------------------|
| Path Reference | ce Number: 157021 Zo | ne: <u>V</u> Ar | ea:3 |
| Map Number: | 6 Photograph Number | r: <u>49</u> | |
| SPECIFICATION | NS: | | |
| Top Elev.: 1 | 2800 Bottom Elev.: 102 | 00° Vertical F | all: <u>2600</u> |
| Length of Pat | ch: 6911 Number of Sta | rting Zones: <u>Mu</u> | ltiple |
| | Starting Zone | <u>Track</u> | Runout Zone |
| Slope Angle | _39° | _20° | 14° |
| Area Acres | | <u>200</u> Area Ac | res <u>25</u> |
| | Length | <u>3512'</u> | |
| Tree Line | A | <u>B</u> | B |
| TERRAIN AND V | VEGETATION COVER: | | |
| Starting Zone grass | e: Broad shallow v-shaped d | epression, large | rock outcrops and |
| Track: Upper portion: broad open slope with incised gullies, rock outcrops and light coniferous; lower portion: broad v-shaped depression, grass and bare ground | | | |
| Runout Zone: Broad open fan, grass | | | |
| HISTORY: I. February, 1886, nearly all cabins in Georgia Gulch destroyed III. events: 2 highway: 0 | | | |
| | full-track: 0 | | |

| PATH NAME ('s): Stump | | | | | |
|--|---|--|--|--|--|
| Path Reference Number: 157022 Z | Path Reference Number: 157022 Zone: V Area: 3 | | | | |
| Map Number: 6 Photograph Numb | er: <u>49</u> | | | | |
| | | | | | |
| SPECIFICATIONS: | 0001 | | | | |
| Top Elev.: 11200 Bottom Elev.: 103 | | | | | |
| Length of Path: 1147 Number of St | arting Zones: 2 | | | | |
| Starting Zone | <u>Track</u> <u>Runout Zone</u> | | | | |
| Slope Angle 34° | <u>30°</u> <u>22°</u> | | | | |
| Area Acres <u>.5</u> Mean Width | 300' Area Acres 5 | | | | |
| Length | 462 | | | | |
| Tree Line B | | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | |
| Starting Zone: Shallow v-shaped depres | sion, moderate coniferous and grass | | | | |
| | | | | | |
| Track: Shallow v-shaped depression, mo | derate coniferous and grass | | | | |
| | | | | | |
| | | | | | |
| Runout Zone: Broad cone-shaped fan, 1 | ight coniferous and grass | | | | |
| | | | | | |
| | | | | | |
| HISTORY: III. events: 1 highway: 0 | | | | | |
| full-track: 0 | | | | | |

| PATH NAME ('s): Prospect Gulch | | | | |
|---|--|--|--|--|
| Path Reference Number: 157023 Zone: V Area: 3 | | | | |
| Map Number: 6 Photograph Number: 49 | | | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 11600' Bottom Elev.: 10600' Vertical Fall: 1000' | | | | |
| Length of Path: 2396' Number of Starting Zones: 2 | | | | |
| Starting Zone Track Runout Zone | | | | |
| Slope Angle 45° 34° 9° adv. | | | | |
| Area Acres 5 Mean Width 100 Area Acres 8 | | | | |
| Length 1689' | | | | |
| Tree Line A B B | | | | |
| TERRAIN AND VEGETATION COVER: | | | | |
| Starting Zone: Shallow depression, moderate to heavy coniferous | | | | |
| | | | | |
| Track: Narrow shallow depression, moderate small coniferous and grass | | | | |
| | | | | |
| Pupout 7onol Occupation 13.14 11 15.000 11.14 11.14 | | | | |
| Runout Zone: Open slope, light small coniferous and bare ground | | | | |
| | | | | |
| HISTORY: I. February 1884 and January 1886, Mineral King Mine damaged | | | | |

| PATH NAME ('s): Black Jack | | | | |
|--|--|--|--|--|
| Path Reference Number: 157024 Zone: V Area: 3 | | | | |
| Map Number: 6 Photograph Number: 49 | | | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 12200' Bottom Elev.: 10800' Vertical Fall: 1400' | | | | |
| Length of Path: 2349 Number of Starting Zones: 4 | | | | |
| Starting Zone Track Runout Zone | | | | |
| Slope Angle 45° 24° 9° adv. | | | | |
| Area Acres 12 Mean Width 150' Area Acres 6 | | | | |
| Length 1642' | | | | |
| Tree Line A B B | | | | |
| TERRAIN AND VEGETATION COVER: | | | | |
| Starting Zone: Open slope with shallow depression, rock outcrops and grass | | | | |
| | | | | |
| Track: Open slope with shallow depression, rock outcrops and grass | | | | |
| | | | | |
| Proposite 7 on the Control of the Co | | | | |
| Runout Zone: Open slope, light small coniferous and bare ground | | | | |
| | | | | |
| HISTORY: | | | | |



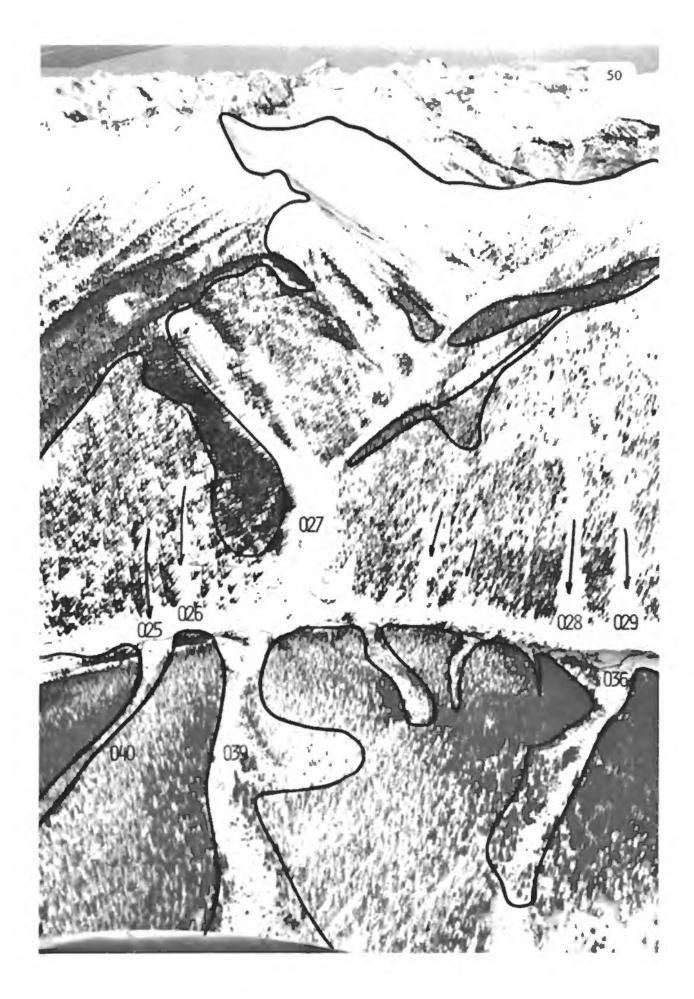
| PATH NAME ('s): | Dump South | | | |
|---|-------------------------|-------------------|-------------|--|
| Path Reference No | umber: 157025 Zo | ne:V Are | a:4 | |
| Map Number: 6 | Photograph Number | r: <u>50</u> | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: <u>1140</u> (| Bottom Elev.: 1030 | 00' Vertical Fa | 11: 1100' | |
| Length of Path: _ | 1550 Number of Star | rting Zones: 3 | | |
| Sta | arting Zone | Track | Runout Zone | |
| Slope Angle | 39° | 34° | _15° | |
| Area Acres _ | .5 Mean Width | 100° Area Acr | es <u>1</u> | |
| | Length | 1086' | | |
| Tree Line _ | В | B | В | |
| TERRAIN AND VEGET | FATION COVER: | | | |
| Starting Zone: S | hallow depression, mode | rate coniferous a | nd grass | |
| Track: Shallow depression, light small coniferous and grass | | | | |
| Runout Zone: Op | en fan, small rocks and | grass | | |
| HISTORY: III. events: 1 highway: 0 full-track: 1 | | | | |

| PATH NAME ('s): | Dump North | | |
|-------------------------------------|---|-------------------------------------|----------------|
| Path Reference N | umber: <u>157026</u> Zo | one: V Ar | ea: <u>4</u> |
| Map Number: 6 | Photograph Number | er:50 | |
| SPECIFICATIONS: | | | |
| Top Elev.: <u>11400</u> | Bottom Elev.: 103 | 000 Vertical F | all: 1100' |
| Length of Path: | 1533' Number of Sta | arting Zones: 2 | |
| St | arting Zone | Track | Runout Zone |
| Slope Angle | | 34° | 15° |
| Area Acres | •5 Mean Width | 200' Area Ac | res <u> </u> |
| | Length | <u>965°</u> | |
| Tree Line | <u>B</u> | <u>B</u> | B |
| TERRAIN AND VEGE | TATION COVER: | | |
| Starting Zone: Si | hallow depression, mode | rate small aspen | and grass |
| Track: Shallow in lower portion; of | rounded gully; upper por convex mine dump, talus | rtion: light sma and bare ground | ll coniferous; |
| Runout Zone: tal | lus cone | | |
| HISTORY: III. | events: 1 highway: 0 full-track: 1 | | |

| PATH NAME ('s): | Dry Gulch North | | |
|-------------------------|--|-------------------------|-----------------|
| Path Reference | Number: <u>157027</u> Zo | one: V Are | a: <u>4</u> |
| Map Number:6 | S Photograph Numbe | er: <u>50</u> | |
| SPECIFICATIONS: | • | | |
| Top Elev.: 1160 | 00 Bottom Elev.: 1040 | OO' Vertical Fa | 11: 1200 |
| Length of Path: | 7959' Number of Sta | erting Zones: <u>17</u> | 1 |
| <u>S</u> : | tarting Zone | Track | Runout Zone |
| Slope Angle | <u>34°</u> | _16° | 11° |
| Area Acres | Mean Width | 250' Area Acr | es <u>18</u> |
| | Length | <u>5930 •</u> | |
| Tree Line | A | B | <u>B</u> |
| TERRAIN AND VEG | ETATIÓN COVER: | | |
| | Broad open slopes above depressions with light co | | |
| Track: V-shaped | l gully, light small coni | iferous, grass and | bare ground |
| Runout Zone: I grass | incised broad fan, light | small coniferous, | small rocks and |
| HISTORY: III. | events: 4 highway: 1 full-track: 3 | | |

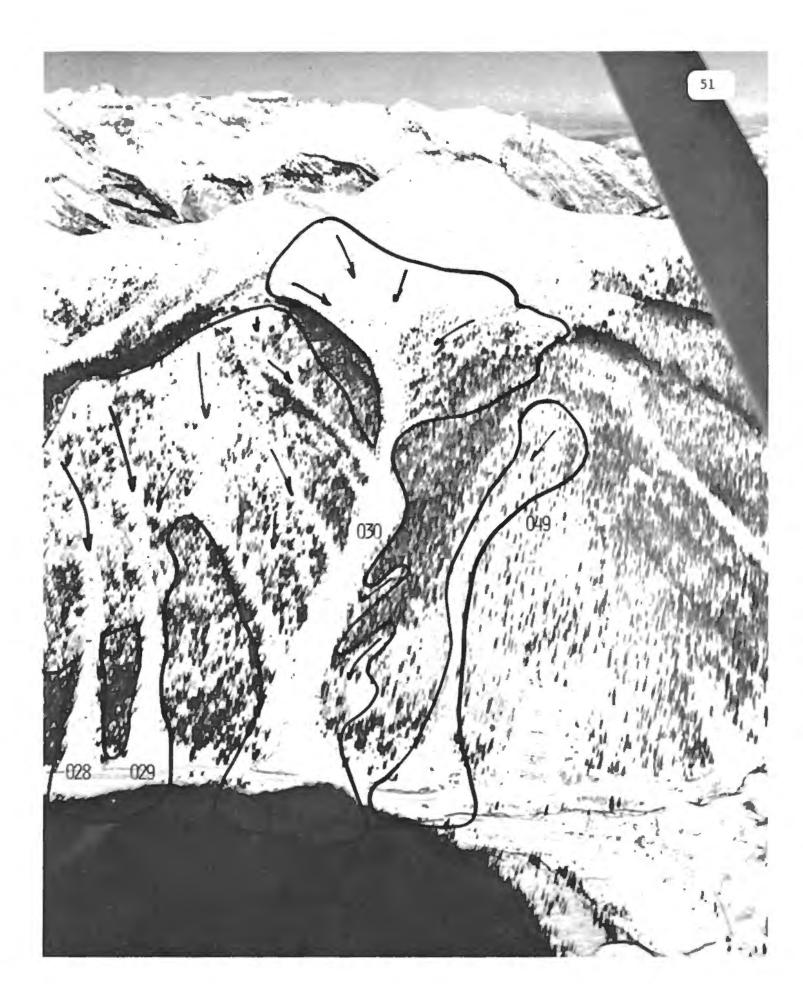
| PATH NAME ('s): | West Jump A | | |
|------------------|--------------------------|------------------|------------------|
| Path Reference N | Number: 157028 Zo | one: <u>V</u> | Area:5 |
| Map Number: 6 | Photograph Numbe | er: <u>50</u> | |
| | | | |
| SPECIFICATIONS: | 10. Pottom Elon . 10/4 | 00' Vontical | Fall: 1200* |
| | Bottom Elev.: 1044 | | |
| Length of Path: | 1976' Number of Sta | arting Zones: | 4 |
| <u>St</u> | tarting Zone | <u>Track</u> | Runout Zone |
| Slope Angle | 34° | 34° | <u> 11°</u> |
| Area Acres | _2 Mean Width | Area A | Acres3 |
| | Length | 1206' | |
| Tree Line | <u>B</u> | B | В |
| TERRAIN AND VEGE | ETATION COVER: | | |
| Starting Zone: | Open slope, moderate cor | niferous and gra | ass |
| | | | |
| Track: Shallow | depression, grass, will | lows and light s | small coniferous |
| | | _ | |
| | | | |
| Runout Zone: 0 | pen fan, small rocks and | l grass | |
| | | | |
| | | | |
| HISTORY: II. | crossed highway: 2 | | |
| | events: 2 highway: 1 | | |
| | full-track: 2 | | |

| PATH NAME ('s): | West Jump B | | |
|------------------|------------------------------------|-----------------------|---------------|
| Path Reference N | Number: <u>157029</u> | Zone: V | Area:5 |
| Map Number: 6 | Photograph | Number: 50,51 | |
| SPECIFICATIONS: | | | |
| Top Elev.: 1160 | O' Bóttom Elev.: | <u>10400</u> Vertica | 1 Fall: 1200' |
| Length of Path: | | f Starting Zones: | 3 |
| <u>St</u> | arting Zone | <u>Track</u> | Runout Zone |
| Slope Angle | _34° | _34° | 11° |
| Area Acres | _2 Mean W | idth <u>150'</u> Area | Acres 3 |
| | Len | gth <u>1568</u> ° | |
| Tree Line | B | В | В |
| TERRAIN AND VEGE | TATIÓN COVER: | | |
| Starting Zone: | Shallow depression, | , moderate conifero | ous and grass |
| Track: Shallow | depression, light s | small coniferous ar | nd grass |
| Runout Zone: Ope | en fan, grass | | |
| HISTORY: III. | events: 1 highway: 1 full-track: 1 | | |



| PATH NAME ('s): | Mogul | | |
|---|------------------------------------|------------------|------------|
| Path Reference | Number: 157030 Zo | one:V Area | :5 |
| Map Number: | 6 Photograph Numbe | er: <u>50,51</u> | |
| SPECIFICATIONS: | | | |
| Top Elev.: 1186 | Bottom Elev.: 1044 | OO' Vertical Fal | 1: 1400 |
| Length of Path: | 3873' Number of Sta | erting Zones: 15 | |
| <u>s</u> | tarting Zone | <u>Track</u> R | unout Zone |
| Slope Angle | <u>34°</u> | 220 | _11° |
| Area Acres | 14 Mean Width | 250' Area Acre | s <u>9</u> |
| | Length | 2696 * | |
| Tree Line | A | <u>B</u> | <u>B</u> |
| TERRAIN AND VEG | ETATION COVER: | | |
| Starting Zone: Open slope, grass and talus, some light small coniferous on lower zones. | | | |
| Track: V-shaped depression, grass and small rock | | | |
| Runout Zone: B | road open fan, grass | | |
| HISTORY: III. | events: 2 highway: 1 full-track: 1 | | |

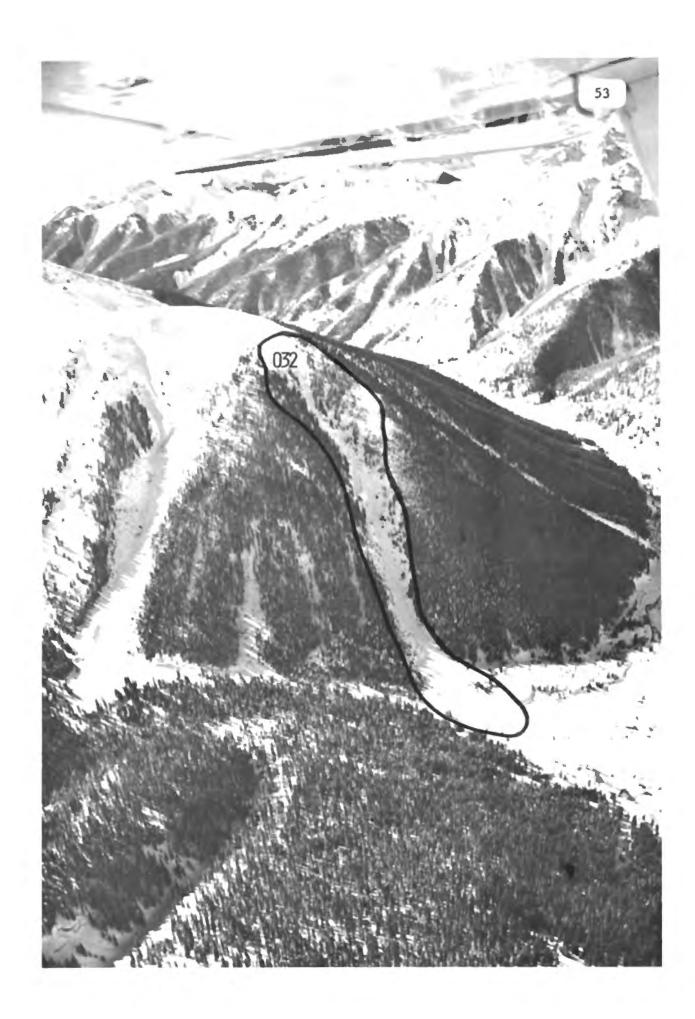
| PATH NAME ('s): Flo | rence | | | |
|---|-----------------|---------------------|-------------------|-------------|
| Path Reference Numb | er: 157049 | Zone: V | Area:5 | |
| Map Number: 6 | Photograph | Number: <u>51,5</u> | 2 | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 11500 | Bottom Elev. | 10450 Ve | rtical Fall: 105 | 50 ' |
| Length of Path: 231 | .7° Number o | of Starting Zo | nes: <u>1</u> | |
| Start | ing Zone | Track | Runout Z | one |
| Slope Angle 39° |) ——— | _27° | 11° |) |
| Area Acres 1 | Mean V | Width <u>100</u> | Area Acres 2 | |
| | Ler | ngth 1459' | | |
| Tree Line | 3 | В | B | _ |
| TERRAIN AND VEGETAT | 'ION COVER: | | | |
| Starting Zone: Broad and grass. | ad slope with 1 | ight coniferou | s, willows, asper | 1, |
| Track: Curving shall | low gulley, wit | h grass, aspen | and willows. | |
| Runout Zone: Broad open talus slope with grass, willows, and aspen. | | | | |
| HISTORY: | | | | |



| PATH NAME ('s): Standard Mine | | | | | |
|---|---|-----------------------|-------------|--|--|
| Path Reference | Path Reference Number: 157031 Zone: V Area: 7 | | | | |
| Map Number: 6 | Photograph Numbe | er:52 | | | |
| SPECIFICATIONS | | OOL Woulded P | 1-11- 400 | | |
| Top Elev.: 110 | 000' Bottom Elev.: 105 | 00' Vertical F | all: 500* | | |
| Length of Path | : 896' Number of Sta | rting Zones: <u>1</u> | | | |
| | Starting Zone | Track | Runout Zone | | |
| Slope Angle | 39° | 24 ⁰ | _22° | | |
| Area Acres | .25 Mean Width | Area Ac | res | | |
| | Length | 547 | | | |
| Tree Line | В | <u>B</u> | B | | |
| TERRAIN AND VE | GETATIÓN COVER: | | | | |
| Starting Zone: | Small grassy openings in | medium to heavy | coniferous. | | |
| Track: Shallow depression in medium coniferous, grassy. | | | | | |
| Runout Zone: Mine buildings and service area. | | | | | |
| HISTORY: III. | events: 1 highway: 0 full-track: 1 | | | | |
| Damad | red mine buildings1972 | | | | |



| PATH NAME ('s): Colorado Slide | | | |
|---|--|--|--|
| Path Reference Number: 157032 Zone: V Area: 8 | | | |
| Map Number: 6 Photograph Number: 52,53 | | | |
| | | | |
| SPECIFICATIONS: | | | |
| Top Elev.: 12000* Bottom Elev.: 10500* Vertical Fall: 1500* | | | |
| Length of Path: 3715 Number of Starting Zones: 8 | | | |
| Starting Zone Track Runout Zone | | | |
| Slope Angle 34° 30° 8° | | | |
| Area Acres 4 Mean Width 200 Area Acres 10 | | | |
| Length <u>2425</u> | | | |
| Tree Line A B B | | | |
| TERRAIN AND VEGETATION COVER: | | | |
| Starting Zone: Open slope, light small coniferous and grass | | | |
| | | | |
| Track: Shallow depression, light small coniferous, grass, willows and rock outcrops | | | |
| Runout Zone: Broad open slope, grass and light small coniferous | | | |
| HISTORY: III. events: 1 highway: 0 full-track: 1 | | | |



| PATH NAME ('s): Thread | | | |
|---|------------------------------------|------------------|----------------|
| Path Reference | Number: <u>157033</u> Zo | one: <u>v</u> Ar | rea: <u>9</u> |
| Map Number:6 | Photograph Number | er: <u>54</u> | |
| SPECIFICATIONS: | | | |
| Top Elev.: 10 | 900' Bottom Elev.: 10' | 00' Vertical I | Fall: 400' |
| Length of Path: | 1667 Number of Sta | erting Zones: | 1 |
| <u>s</u> | tarting Zone | <u>Track</u> | Runout Zone |
| Slope Angle | _39° | _34°_ | _11° |
| Area Acres | .5 Mean Width | 100' Area Ad | eres <u>.5</u> |
| | Length | 2 <u>895</u> | |
| Tree Line | В | B | B |
| TERRAIN AND VEG | ETATION COVER: | | |
| Starting Zone: | Narrow depression, grass | 3 | |
| Track: Narrow depression, grass | | | |
| Runout Zone: Open slope, moderate to heavy coniferous | | | |
| HISTORY: III. | events: 1 highway: 0 full-track: 0 | | |

| PATH NAME ('s): String | | | | | | |
|---|------------------------|------------|--------------|----------|---------|-------------|
| Path Reference N | Number: 1570 |)34 | Zone: | V | Area: _ | 9 |
| Map Number: | Photo | ograph Nur | mber: | 54 | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.:1120 | 00 Bottom | Elev.: _1 | .0400' | Vertical | Fa11: | 800' |
| Length of Path: | 2010' No | umber of S | Starting 2 | Zones: _ | 1 | |
| St | arting Zone | | Track | | Runo | ut Zone |
| Slope Angle | _39° | | _34° | _ | | <u>11</u> ° |
| Area Acres | 1 | Mean Wid | h <u>50</u> | Area | Acres | 1 |
| | | Lengtl | 947 • | _ | | |
| Tree Line | В | | В | | | <u>B</u> |
| TERRAIN AND VEGETATION COVER: | | | | | | |
| Starting Zone: Narrow depression, grass | | | | | | |
| | | | | | | |
| Track: Narrow depression, grass | | | | | | |
| | | | | | | |
| D | | | | | | |
| Runout Zone: Ope | en slope, gra | ass | | | | |
| | | | | | | |
| HISTORY: III. | events: 1 | | | | | |
| | highway: 0 full-track: | 1 | | | | |

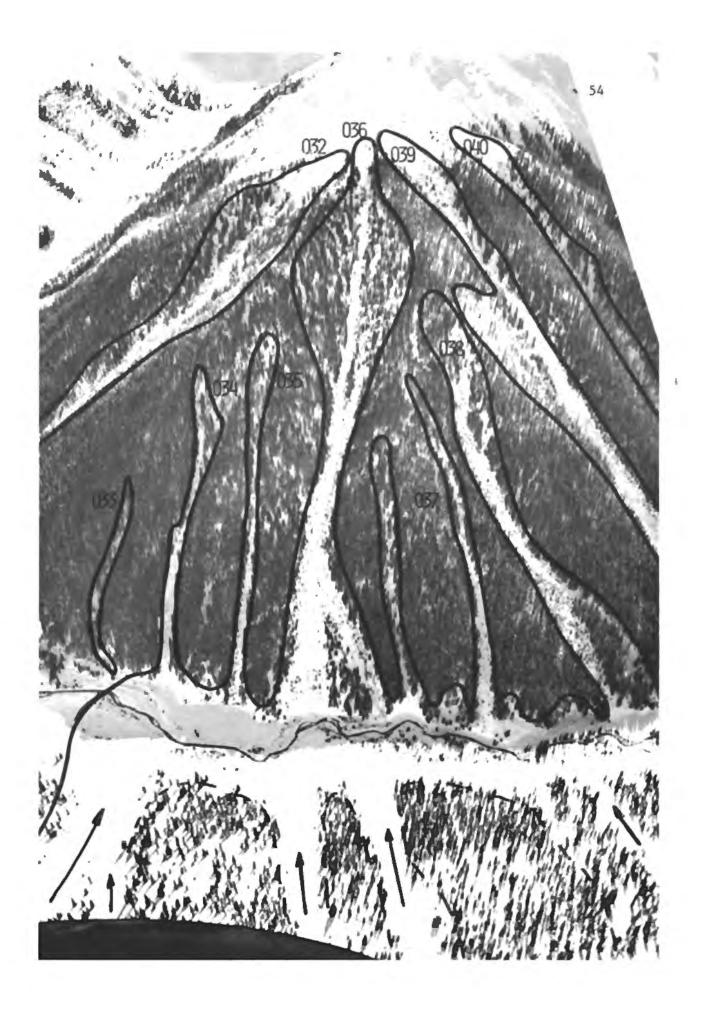
| PATH NAME ('s): Rope | | | | |
|---|------------------------------------|-------------------|----------|----------------------|
| Path Reference | Number: <u>157035</u> | Zone: | | Area:9 |
| Map Number: 6 | Photograph | Number: | 54 | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 1150 | O Bottom Elev. | : <u>10400</u> | Vertica | 1 Fall: <u>1100'</u> |
| Length of Path: | _2539' Number | of Starting | Zones: | 3 |
| <u>S</u> 1 | tarting Zone | Trac | <u>k</u> | Runout Zone |
| Slope Angle | _39° | _30° | | 11° |
| Area Acres | _3 Mean | Width <u>150'</u> | Area | Acres4 |
| | $_{ m L\epsilon}$ | ength <u>1848</u> | 1 | |
| Tree Line | <u>B</u> | В | - | <u> </u> |
| TERRAIN AND VEGI | ETATION COVER: | | | |
| Starting Zone: Narrow depression, grass | | | | |
| Track: Narrow depression, grass | | | | |
| Runout Zone: Open slope, grass | | | | |
| HISTORY: III. | events: 1 highway: 0 full-track: 1 | | | |

| PATH NAME ('s): East Jump | | | | |
|---|----------------------------------|---------------|------------------|--------------------|
| Path Reference 1 | Number: <u>1570</u> |)36 Zor | ne: <u>V</u> | Area: |
| Map Number: 6 | Photo | ograph Numbei | c: <u>54</u> | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 11900 | Bottom | Elev.: 104 | 00' Vertical | Fall: <u>1500'</u> |
| Length of Path: | <u>2539</u> Nu | mber of Stan | cting Zones: _ | 3 |
| <u>S1</u> | tarting Zone | | Track | Runout Zone |
| Slope Angle | 39° | | _30° | _11° |
| Area Acres | 3 | Mean Width | <u>150'</u> Area | Acres 4 |
| | | Length | 1848 | |
| Tree Line | A | | В | B |
| TERRAIN AND VEGI | ETATION COVER | R: | | |
| Starting Zone: Narrow open slope, light small coniferous and grass | | | | |
| | | | | |
| Track: Shallow v-shaped depression, small rock outcrops, light small coniferous and grass | | | | |
| Runout Zone: Tr | runcated open | fan, light | small conifer | ous and grass |
| HISTORY: III. | events: 1 highway: 1 full-track: | 1 | | |

| PATH NAME ('s): South-east Jump | | | |
|---|-----------------------------|--|--|
| Path Reference Number: 157037 Zo | ne: <u>V</u> Area: <u>9</u> | | |
| Map Number: 6 Photograph Numbe | r: <u>5</u> 4 | | |
| SPECIFICATIONS: | | | |
| Top Elev.:11100 | 00' Vertical Fall: 700' | | |
| Length of Path: 1248 Number of Sta | rting Zones:1 | | |
| Starting Zone | Track Runout Zone | | |
| Slope Angle 34° | | | |
| Area Acres 2.5 Mean Width | 100° Area Acres 1.5 | | |
| Length | 924* | | |
| Tree Line B | | | |
| TERRAIN AND VEGETATION COVER: | | | |
| Starting Zone: Narrow open slope, light | small coniferous and grass | | |
| Track: Shallow v-shaped depression, small rock outcrops, light small coniferous and grass | | | |
| Runout Zone: Truncated open fan, light small coniferous and grass | | | |
| HISTORY: III. events: 1 highway: 0 full-track: 1 | | | |

| PATH NAME ('s): | Halftrack | | |
|-----------------|------------------------------------|--------------------|----------------------|
| Path Reference | Number: <u>157038</u> | Zone: <u>V</u> | Area: 9 |
| Map Number: 6 | Photograph Num | ber: <u>54</u> | |
| SPECIFICATIONS: | | | |
| Top Elev.: 1120 | 00 Bottom Elev.: 10 | 400 Vertical | Fall: <u>800'</u> |
| Length of Path: | 1949 Number of S | tarting Zones: _ | 3 |
| <u>s</u> | tarting Zone | Track | Runout Zone |
| Slope Angle | 39° | _30° | 11° |
| Area Acres | .25 Mean Widt | h <u>100'</u> Area | Acres5 |
| | Length | <u> 1386°</u> | |
| Tree Line | B | <u>B</u> | <u>B</u> |
| TERRAIN AND VEG | ETATION COVER: | | |
| Starting Zone: | Narrow shallow depress | ion, light small | coniferous and grass |
| Track: Shallow | depression, light smal | l coniferous and | grass |
| Runout Zone: Op | en slope, grass | | |
| HISTORY: III. | events: 1 highway: 0 full-track: 1 | | |

| PATH NAME ('s): Dry Gulch South | | | | |
|--|------------------------|--------------------|------------------|--|
| Path Reference Num | nber: <u>157039</u> Zo | ne:V Are | a:9 | |
| Map Number: 6 | Photograph Numbe | r: <u>54</u> | | |
| SPECIFICATIONS: | | | | |
| Top Elev.: 12000' | Bottom Elev.: 1040 | OO' Vertical Fa | 11: <u>1600'</u> | |
| Length of Path: _ | 3715 Number of Sta | rting Zones: 2 | | |
| Star | cting Zone | Track | Runout Zone | |
| Slope Angle | 30° | 24° | 11° | |
| Area Acres 5 | Mean Width | 200° Area Acr | es_ <u>5</u> | |
| | Length | 2846 | | |
| Tree Line A | | B | B | |
| TERRAIN AND VEGETA | ATION COVER: | | | |
| Starting Zone: Ope | en slope, light small | coniferous and gra | ass | |
| Track: Narrow depression, moderate small coniferous and grass | | | | |
| Runout Zone: Open fan, grass and scree | | | | |
| HISTORY: II. crossed highway: 1 III. events: 1 highway: 0 full-track: 1 | | | | |

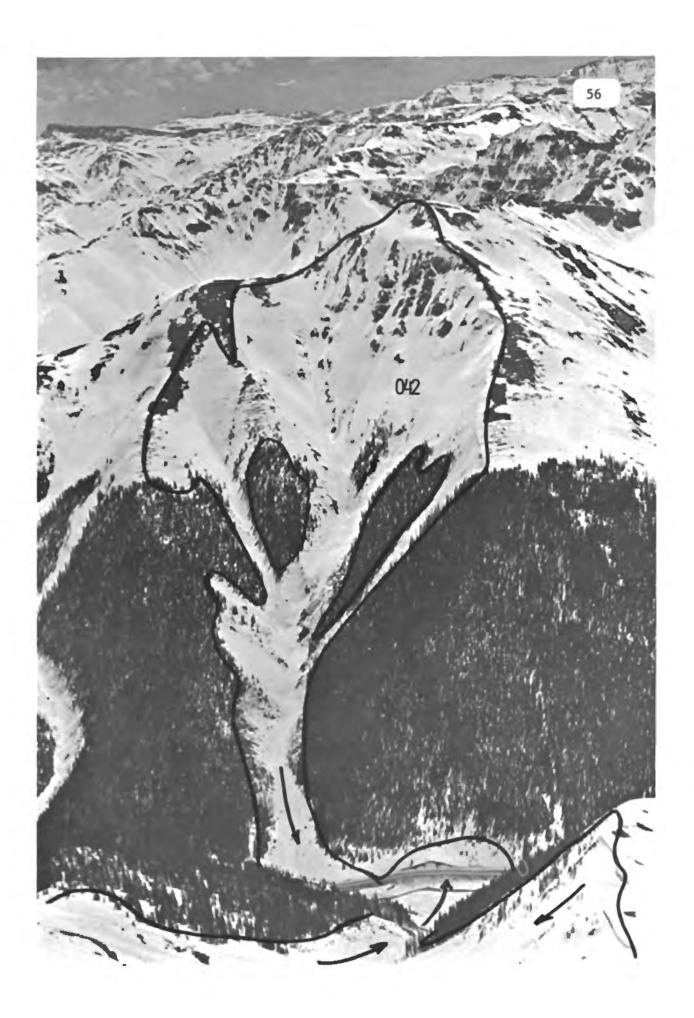


| PATH NAME ('s): | RMYF | | | | | |
|-------------------------|---------------------|--------------|-----------------|------------|-------------|-----------------|
| Path Reference N | Number: <u>1570</u> | 40 z | one: | <u></u> | Area: _ | 9 |
| Map Number: 6 | Photo | ograph Numbe | er: <u>54,</u> | <u>55,</u> | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: <u>11900</u> | Bottom | Elev.:10 | 400" V | ertica | 1 Fall: | <u>1500'</u> |
| Length of Path: | | mber of Sta | arting Zo | ones: | 1 | - |
| St | arting Zone | | Track | | Runo | ut Zone |
| Slope Angle | <u>34°</u> | | 24 ⁰ | | _1 | 15 ⁰ |
| Area Acres | 4 | Mean Width | 100" | Area | Acres | 5 |
| | | Length | <u>3065</u> | | | |
| Tree Line | <u>A</u> | | В | | *********** | В |
| TERRAIN AND VEGI | TATION COVER | !: | | | | |
| Starting Zone: | Open slope, i | light small | conifer | ous an | d grass | |
| | | | | | | |
| Track: Narrow | v-shaped gul | ly, light s | mall con | iferou | s and gr | ass |
| | | | | | | |
| | | | | | | |
| Runout Zone: Op | en incised ti | runcated fa | n, grass | | | |
| | | | | | | |
| HISTORY: III. | events: 1 | | | | | |
| | highway: 0 | 1 | | | | |
| | full-track: | T | | | | |

| PATH NAME ('s): Tiger gulch | | | | | |
|---|--|--|--|--|--|
| Path Reference Number: 157041 Zone: V Area: 9 | | | | | |
| Map Number: 6 Photograph Number: 55,56 | | | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 12200' Bottom Elev.: 10200' Vertical Fall: 2000' | | | | | |
| Length of Path: 4995 Number of Starting Zones: 12 | | | | | |
| Starting Zone Track Runout Zone | | | | | |
| Slope Angle 45° 20° 14° adv. | | | | | |
| Area Acres 20 Mean Width 150' Area Acres 12 | | | | | |
| Length <u>3193*</u> | | | | | |
| Tree Line A B B | | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | |
| Starting Zone: Broad basin, large rock outcrops, talus and grass | | | | | |
| | | | | | |
| Track: V-shaped gully, light small coniferous, grass and bare ground | | | | | |
| | | | | | |
| Runout Zone: Broadening v-shaped depression ending in open fan, grass willows and bare ground | | | | | |
| | | | | | |
| HISTORY: | | | | | |



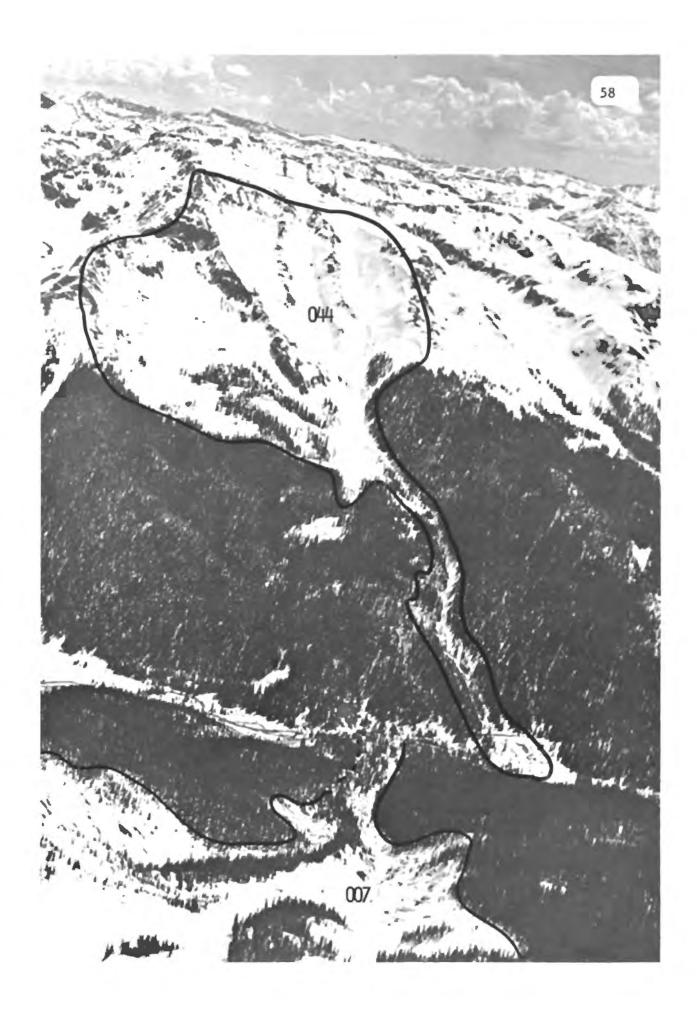
| PATH NAME ('s): Billboard | | | | | |
|---|--|--|--|--|--|
| Path Reference Number: 157042 Zone: V Area: 9 | | | | | |
| Map Number: 5,6 Photograph Number: 55,56 | | | | | |
| SPECIFICATIONS: | | | | | |
| Top Elev.: 12800' Bottom Elev.: 10200' Vertical Fall: 2600' | | | | | |
| Length of Path: 6023' Number of Starting Zones: Multiple | | | | | |
| Starting Zone Track Runout Zone | | | | | |
| Slope Angle <u>45°</u> <u>20°</u> <u>14°</u> | | | | | |
| Area Acres 45 Mean Width 200° Area Acres 8 | | | | | |
| Length <u>3937</u> | | | | | |
| Tree Line A B B | | | | | |
| TERRAIN AND VEGETATION COVER: | | | | | |
| Starting Zone: Broad open basin with numerous incised gullies and large rock outcrops | | | | | |
| Track: V-shaped gully, large rock outcrops and bare ground | | | | | |
| Runout Zone: Broad open fan, light small coniferous and grass | | | | | |
| HISTORY: III. events: 3 highway: 1 full-track: 1 | | | | | |



| PATH NAME ('s): | Grassy Gulc | h | | | | |
|-----------------------------|--|--------------|-----------------|---------------|-----------------|------|
| Path Reference l | Number: <u>157</u> | 043 Zo | ne: | V Are | a: <u>10</u> | |
| Map Number:5 | Photo | ograph Numbe | r: <u>_57</u> _ | | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: 1200 | O' Bottom | Elev.: 1000 | 0 | rtical Fa | 11: <u>2000</u> | _ |
| Length of Path: | 4623' No | umber of Sta | rting Zo | nes: <u>4</u> | Military was | |
| <u>S1</u> | tarting Zone | | Track |] | Runout Zone | |
| Slope Angle | _39° | | _24° | | _14° | |
| Area Acres | 5 | Mean Width | 200 | Area Acr | es_6 | |
| | | Length | 3284 | | | |
| Tree Line | A | | В | | B | |
| TERRAIN AND VEGI | ETATION COVE | R: | | | | |
| Starting Zone: | Broad open s | lope, grass | and talu | s | | |
| Track: V-shape and grass | d depression | , small rock | outcrop | s, light e | small conife | rous |
| Runout Zone: O | pen slope, g | rass and wil | lows | | | |
| HISTORY: III. | events: 1 highway: 0 full-track: | | | | | |

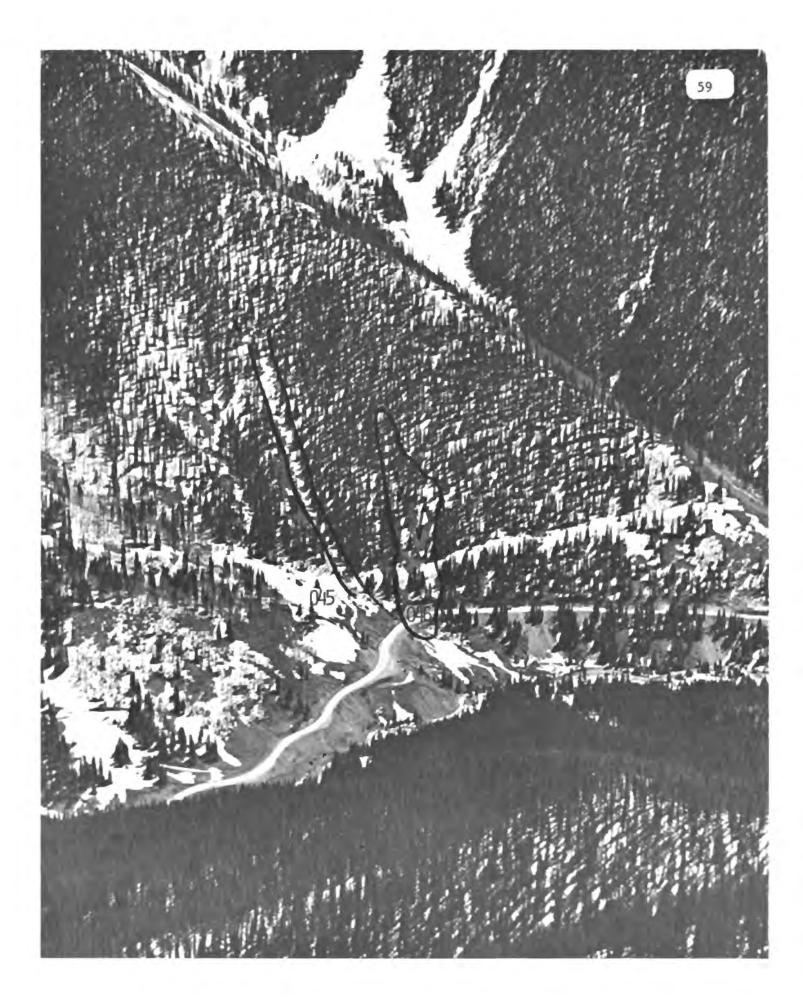


| PATH NAME ('s): | Illinois Gulch | | |
|----------------------------------|---|--------------------------------|--------------------|
| Path Reference N | lumber: <u>157044</u> Zo | ne: <u>V</u> Ar | ea: <u>10</u> |
| Map Number: 5 | Photograph Numbe | r: <u>58</u> | |
| SPECIFICATIONS: | | | |
| Top Elev.: 13000 | 0° Bottom Elev.: 990 | 00 Vertical F | all: <u>3100</u> |
| Length of Path: | 6784' Number of Sta | rting Zones: 10 | Page 1997 |
| St | arting Zone | <u>Track</u> | Runout Zone |
| Slope Angle | 39° | 24° | 9° |
| Area Acres | 55 Mean Width | 200 Area Ac | res_15 |
| | Length | 4926 * | |
| Tree Line | A | <u>B</u> | B |
| TERRAIN AND VEGE | TATION COVER: | | |
| Starting Zone: I talus and grass | Broad shallow v-shaped b | easin, large rock | outcrops, |
| Track: V-shaped portion: v-shap | depression, moderate as ped incised gully with b | pen and conifero are ground | us. Lower |
| Runout Zone: Bro | oad open slope, moderate | coniferous, wil | lows and mine dump |
| HISTORY: III. | events: 1 highway: 0 full-track: 0 | | |



| Path Reference Number: 157045 Zone: V Area: 11 Map Number: 5 Photograph Number: 59 SPECIFICATIONS: | | | | |
|--|--|--|--|--|
| | | | | |
| SPECIFICATIONS: | | | | |
| | | | | |
| Top Elev.: 10200' Bottom Elev.: 9700' Vertical Fall: 500' | | | | |
| Length of Path: 1005 Number of Starting Zones: 1 | | | | |
| Starting Zone Track Runout Zone | | | | |
| Slope Angle 30° 27° 22° | | | | |
| Area Acres25 Mean Width50' Area Acres25 | | | | |
| Length 673' | | | | |
| Tree Line B B B | | | | |
| TERRAIN AND VEGETATION COVER: | | | | |
| Starting Zone: Light coniferous and grass. | | | | |
| Track: Shallow gulley with grass and light willows. | | | | |
| Runout Zone: Small open slope grass and willows. | | | | |
| HISTORY: | | | | |

| PATH NAME ('s): | Maybe Not | | | | |
|---------------------------------|--|--------------------|-----------------|---------------|----------|
| Path Reference | Number: 157 | 046 | Zone: V | Area: _ | 11 |
| Map Number: | Phot | ograp h Num | ber: <u>59</u> | | |
| SPECIFICATIONS: Top Elev.: 1000 | | | | | 300' |
| Length of Path: | 674' N | umber of S | tarting Zo | nes: 2 | _ |
| <u>s</u> | tarting Zone | | Track | Runo | out Zone |
| Slope Angle | | | 34 ^o | | 39° |
| Area Acres | .5 | Mean Widt | h 100' | Area Acres_ | .5 |
| | | Length | 302' | | |
| Tree Line | В | | В | | В |
| TERRAIN AND VEG | ETATION COVE | R: | | | |
| Starting Zone: | Shallow dep | ression, 1 | ight conif | erous and gra | ass. |
| Track: Shallow | gulley and s | mall slope | with gras | s. | |
| Runout Zone: Op | en slope and | creek, gr | ass and wi | .11ows. | |
| HISTORY: III. | events: 1 highway: 1 ful1-track: | 0 | | | |



| PATH NAME ('s): Vikik | | | | | | |
|---|------------------|------------------|-----------|------------------|-----------------|--|
| Path Reference Number: 157047 Zone: V Area: 11 | | | | | | |
| Map Number: 5 | Photogr | aph Number | r: 60 | | | |
| SPECIFICATIONS: | | | | | | |
| Top Elev.: 11000 | Bottom El | ev.: <u>9520</u> | • Ver | tical Fal | 1: <u>5</u> 80' | |
| Length of Path: | <u>3435</u> Numb | er of Sta | rting Zon | nes: <u>Mult</u> | <u>ipl</u> e | |
| St | arting Zone | | Track | <u> </u> | Runout Zone | |
| Slope Angle | 42 ⁰ | | _22° | | _16° | |
| Area Acres | 6Me | an Width | 2001 | Area Acre | ès8 | |
| | | Length | 1618* | | | |
| Tree Line | В | | В | | В | |
| TERRAIN AND VEGE | TATION COVER: | | | | | |
| Starting Zone: Op | en talus, rock | c and ligh | t conife | rous. | | |
| | | | | | | |
| Track: Deeply cut v-gulley with rock and talus. Some grass and willows. | | | | | | |
| Runout Zone: Broad open talus slope with grass, creek. | | | | | | |
| HISTORY: | | | | | | |



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