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UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Preliminary Map Showing Known and Suspected Active Faults in Colorado

Compiled by

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Open-File Report 76-154

1976

INTRODUCTION

Known and suspected active faults in the northern Rocky Mountains are plotted on the accompanying State map of Colorado (scale 1:500,000).

Pertinent data about each fault have been recorded on file cards, and copies of these cards are included in this text. Each active fault is identified by a random number and a letter. The letter refers to the youngest beds broken by that fault. The range extends from historic breaks (R) to other faults that have been recurrently active since the middle Miocene (B). Details are given in the explanation on the map. All faults, no matter what their age, are considered potentially dangerous and liable to cause severe earthquakes if reactivated.

These data are made available in preliminary form to assist local, State, and Federal agencies. Although most active faults are shown, it seems unlikely that all active faults are included. As information becomes available about other active faults, they will be added.

NUMBER- 131 Active Faults Map

Name of fault - Sangre de Cristo fault
Latest movement - Holocene - Orange
(Age of fault)
Type of fault - High angle normal
Rel. dir. movement - SW side down

Length of fault -
Attitude of fault - Trends abt N30W, dips SW
Susceptibility to eq. - High
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Scott
Address USGS - Fed Ctr
Denver, Colo., 80225
Phone - (303) - 234 - 3545
State map - Colorado - (A-2, B-2)
County - Saguache
Reference - Sc&H, PP 700-C, (C11-C18)

Province -
Remarks -

NUMBER- 132 Active Faults Map

Name of fault - Unnamed fault - footwall of Sangre de Cristo fault
Latest movement - Holocene - Orange
(Age of fault)
Type of fault - High angle normal
Rel. dir. movement - Down on SW

Length of fault - 5 miles
Attitude of fault - Trends abt N65W, dips SW
Susceptibility to eq. - High
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 3545
State map - Colorado - (B-2)
County - Saguache
Reference - Sc&H P.P. 700-C
(p. C11-C18)

Province -
Remarks -

NUMBER- 133 Active Faults Map

Name of fault - Alvarado fault
Latest movement - Major Late Quat - Yellow
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - 28 miles
Attitude of fault - Trends about N30W, dips NE
Susceptibility to eq. - Mod to High
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed. Ctr.
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (A-2, B-2)
County - Fremont.
Reference - Oral comm.
Pueblo - 2° Sheet.

Province -
Remarks -

NUMBER- 134 Active Faults Map

Name of fault - Westcliffe fault
Latest movement - Prob. Late Cenoz
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - 35 miles
Attitude of fault - Trends about N40W, dips SW
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (A-3, B-2, B-3)
County - Fremont - Custer
Reference - Oral comm.
Pueblo 2° Sheet.

Province -
Remarks -

NUMBER- 135 Active Faults Map

Name of fault - Pleasant Valley fault
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - 22 miles
Attitude of fault - Trends abt. N 20 W., dips SW
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 3545
State map - Colorado (6-2)
County - Fremont Co.
Reference - Oral comm
Pueblo 2° Sheet

Province -
Remarks -
1. Connects with Hartcliffe and Alvarado faults.

NUMBER- 136 Active Faults Map

Name of fault - Use fault in south; Current Creek fault in north
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - MAJOR FAULT - High angle normal
Rel. dir. movement - Dips in various directions - SW or NE

Length of fault - Many, many, miles
Attitude of fault - Trends abt N 30 W., dips both SW + NE along course
Susceptibility to eq. - Low to Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 3545
State map - Colorado - (4-3, 6-3)
County - Custer, Fremont, Park
Reference - Oral Comm, Pueblo 2° Sheet, and Scott, I.P. 700 C, p. C11-C18

Province -
Remarks -
MAJOR FAULT given different names along its length.

Slight shortening at northern end done at request of Bruce Bryant.

NUMBER- 137 Active Faults Map

Name of fault - Texas Creek fault
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on west

Length of fault - Abt 20 miles
Attitude of fault - Trends abt N

Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (B-2)
County - Fremont.
Reference -

Province -
Remarks -

NUMBER- 138 Active Faults Map

Name of fault - Wet Mountains fault
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - Abt 30 miles
Attitude of fault - Trends abt N35W., dips NE

Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr
Denver, Colo
Phone - (303) - 234-3545
State map - Colorado (A-3, B-3)
County - Pueblo, Custer, Fremont
Reference - Scott, P.P. 700-C,
p. C11-C18; oral comm.,
Pueblo 2° Sheet.

Province -
Remarks -

NUMBER- 139 Active Faults Map

Name of fault - Unnamed fault along east flank-Wet Mountains
Latest movement - Prob Late Cenoz
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - 7 miles)
Attitude of fault - N5W, dips NE.
Susceptibility to eq. - Low-Moderate
Confidence (reliability) level -

Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS, Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (A-3)
County - Pueblo
Reference - Oral comm.,
Pueblo 2° Sheet.

Province -
Remarks -

NUMBER- 140 Active Faults Map

Name of fault - Unnamed fault south of Goodpasture
Latest movement - Major Quat - Green)
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - Abt 4 miles)
Attitude of fault - Trends abt N30W, dips NE
Susceptibility to eq. - Low - Moderate
Confidence (reliability) level -

Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott,
Address USGS., Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (A-3)
County - Pueblo
Reference - Oral comm.,
Pueblo 2° Sheet.

Province -
Remarks -

NUMBER- 141 Active Faults Map

Name of fault - Unnamed fault north of Fowler
Latest movement - Prob. Maj Quat.
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - Abt 8 miles)
Attitude of fault - Trends abt N60 W, dips SW
Susceptibility to eq. - Low - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 3545
State map - Colorado (B-3)
County - Pueblo - Crowley
Reference - Scott, P.P. 700-C, p. C11-C18
Oral comm., Pueblo 2° Sheet.

Province -
Remarks -

NUMBER- 142 Active Faults Map

Name of fault - Ute Pass fault (West of Colorado Springs)
Latest movement - Major Late Quat. - Yellow
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down to NE in southern pt; down SW in northern pt.

Length of fault - 25 miles)
Attitude of fault - Trends abt N40 W, dips NE in South; SW in N.
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS, Fed. Ctr,
Denver, Colo., 80225
Phone - (303) - 234 - 3545
State map - Colorado (B-3)
County - Teller, El Paso
Reference - Scott, P.P. 700-C, p. C11-C18
Oral comm., Pueblo 2° Sheet.

Province -
Remarks -
Northern extension of this fault added by Bruce Bryant.

NUMBER- 143 Active Faults Map

Name of fault - Rampart Range fault
Latest movement - Maj Quat - Green
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on east

Length of fault -
Attitude of fault - Trends abt North

Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Glenn Scott
Address USGS, Fed. Ctr.
Denver, Colo
Phone - (303) - 234-3545
State map - Colorado (B-3)
County - El Paso
Reference -

Province -
Remarks -

NUMBER- 144 Active Faults Map

Name of fault - Fourmile Creek fault
Latest movement - Prob. Late Cenoz.
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - West side down

Length of fault - 15 miles
Attitude of fault - Trends abt N 10 W, dips SW.

Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Glenn Scott
Address USGS, Fed. Ctr
Denver, Colo., 80225
Phone - (303) - 234-3545
State map - Colorado (B-3)
County - Teller, Fremont.
Reference - Oral comm., Pueblo 2° Sheet

Province -
Remarks -

NUMBER- 145 Active Faults Map

Name of fault - Unnamed fault - east side of Kaufman Ridge
Latest movement - Prob. Late Cenozoic
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - 12 - 13 miles
Attitude of fault - Trends abt N 30 W, dips NE
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue - 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS, Fed Ctr,
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (B-2)
County - Park
Reference - Oral comm.,
Pueblo 2° Sheet.

Province -
Remarks -

NUMBER- 146 Active Faults Map

Name of fault - Unnamed - Just south of Poncho Springs
Latest movement - Prob. Maj Late Quat - Yellow
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - SW side down

Length of fault - 7 miles
Attitude of fault - Trends abt N 60 W
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr,
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (B-2)
County - Chaffee
Reference - Poncho Springs Quad -
Oral comm.

Province -
Remarks -

NUMBER- 147 Active Faults Map

Name of fault - Unnamed fault - near Poncho Springs
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High angle normal
Rel. dir. movement - NE Side down

Length of fault - 5-6 miles
Attitude of fault - Trends about N70W, dips NE

Susceptibility to eq. -
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr,
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado - (B-2)
County - Chaffee
Reference - Poncho Springs Quad
Oral comm.

Province -
Remarks -

NUMBER- 148 Active Faults Map

Name of fault - Unnamed - East flank Tabeguache Mtn
Latest movement - Prob Maj Quat - Green)
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - East side down)

Length of fault - 12-14 miles)
Attitude of fault - Curves generally northward
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (B-2
County - Chaffee
Reference - Poncho Springs Quad
Oral comm.

Province -
Remarks -
Southern half is "Green" - Maj Quat
Northern " " "Yellow" - Maj. Late Quat.

NUMBER- 149 Active Faults Map

Name of fault - Unnamed - East flank of Mt. Princeton
Latest movement - Maj Late Quat - Yellow
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - East side down throwon
Length of fault - 19-20 miles
Attitude of fault - Trends abt N15W, dips NE
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed. Ctr.
Denver, Colo., 80225
Phone - (303) - 234-3545
State map - Colorado (B-2)
County - Chaffee
Reference - Buena Vista Quad (Unpub)
Oral comm.

Province -
Remarks -

NUMBER- 150 Active Faults Map

Name of fault - Unnamed fault - north of Buena Vista
Latest movement - Maj Quat - Green
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - SW side down
Length of fault - 3-4 miles)
Attitude of fault - Trends abt N30W, dips SW
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed. Ctr.
Denver, Colo., 80225
Phone - (303) - 234-3545
State map - Colorado - B-2
County - Chaffee
Reference - Buena Vista Quad (Unpublished)
Oral comm.

Province -
Remarks -

NUMBER- 151 Active Faults Map

Name of fault - Unnamed (three) faults
Latest movement - Maj Quat - Green
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - 1-2 miles
Attitude of fault - Trends ~bt N20W, dips NE
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed. Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 3545
State map - Colorado (B-2)
County - Chaffee
Reference - Buena Vista Quad (Unpubl'd)
Oral comm.

Province -
Remarks -

NUMBER- 153 Active Faults Map

Name of fault - Golden fault
Latest movement - Major Quat - Green
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on east

Length of fault - 17 miles
Attitude of fault - Curving - concave to NE
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 3545
State map - Colo (B-3, C-3)
County - Jefferson
Reference - P.P. 700-C - P. C11-C18
Oral comm.

Province -
Remarks -

NUMBER-154 Active Faults Map

Name of fault - Valmont fault. - NE of Boulder
Latest movement - Major Quat. - Green
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SE
Length of fault - 1-2 miles)
Attitude of fault - Trends abt N80 E, down on SE
Susceptibility to eq. - Low to Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS - Fed. Ctr,
Denver, Colo, 80225
Phone - (303) - 234-3545
State map - Colorado (C-3)
County - Boulder
Reference - P.P. 700-C, p. C11-C18
Oral comm.

Province -
Remarks -

NUMBER- 156 Active Faults Map

Name of fault - Unnamed fault (Lamar 2° Sheet)
Latest movement - Major Quat - Green
(Age of fault)
Type of fault - High-angle (may be normal or reverse)
Rel. dir. movement - Down on NW).
Length of fault - 30-35 miles
Attitude of fault - Trends abt N 50E; direction & dip uncertain
Susceptibility to eq. - Low.
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Joe Sharps
Address USGS - Fed. Ctr
Denver, Colo 80225
Phone - (303) - 234-3138
State map - Colorado (B-3, B-4)
County - Crowley - Kiowa
Reference - Oral comm.

Province -
Remarks -
Joe is certain of age - breaks Pleistocene deposit - Uncertain abt length

NUMBER- 160 Active Faults Map

Name of fault - Sparks Ranch fault
Latest movement - Pzh, Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - 30-35 miles
Attitude of fault - Trends abt N50W, dips SW
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed Ctr
Denver, Colo., 80225
Phone - (303) - 234 - 4435
State map - Colo. (C-1) Vernal
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 161 Active Faults Map

Name of fault - Unnamed fault - Crosses Dry Mountain
Latest movement - Pzh, Late Cenoz. - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - 55 miles
Attitude of fault - Trends abt N60W, dips SW
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed Ctr
Denver, Colo., 80225
Phone - (303) - 234 - 4435
State map - Colo - (C1) - Vernal 2°
County - Moffat
Reference - Oral Comm.

Province -
Remarks -

NUMBER- 162 Active Faults Map

Name of fault - Unnamed fault
Latest movement - Prob. Late Cenoz. - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - 6 miles ±
Attitude of fault - Trends abt N45W., dips SW
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett,
Address USGS. Fed Ctr
Denver, Colo., 80225
Phone - (303) - 234 - 4435
State map - Colo - (C1) - Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 163 Active Faults Map

Name of fault - Unnamed - Best described as strong Lineament
Latest movement - Prob Late Cenoz. Blue
(Age of fault)
Type of fault - Unknown
Rel. dir. movement - Unknown

Length of fault - 45+ miles
Attitude of fault - Trends generally north
Susceptibility to eq. - Uncertain
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS. Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo. (C-2) Greeley 2°
County - Larimer
Reference - Oral comm.

Province -
Remarks -
1. Follows head of Colorado River
2. Glen believes strongly that this is one of major structures in Colo.

NUMBER- 164 Active Faults Map

Name of fault - Unnamed series of faults northeast of Willow Creek Res.
Latest movement - Prob. Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - Max is 6 miles
Attitude of fault - Trends abt N30W, dips SW
Susceptibility to eq. -
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed Ctr,
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo - (C2) - Greeley
County - Grand
Reference - Oral comm.

Province -
Remarks -

NUMBER- 165 Active Faults Map

Name of fault - Unnamed series of fault NW of Craig
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - Abt 6 miles
Attitude of fault - Trends abt N50W, dips NE
Susceptibility to eq. -
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo. (C1) Craig 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 166 Active Faults Map

Name of fault - Unnamed fault SE of Lay
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - 7 miles
Attitude of fault - Trends abt N50W, dips NE
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Source - Glen Izett
Address USGS Fed Ctr
Denver, Colo., 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) - Craig 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

NUMBER- 167 Active Faults Map

Name of fault - Unnamed - NE of Baker Peak
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - At least 15 miles
Attitude of fault - Trends abt N50W, dips NE
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Source - Glen Izett
Address USGS - Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo, (C-2) Craig 2°
County - Moffat and Routt
Reference - Oral comm.

Province -
Remarks -
Breaks Browns Park Fm

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

NUMBER- 168 Active Faults Map Ken Segerstrom

Name of fault - King Solomon flt North side of Haines Park
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - About 30 miles
Attitude of fault - Trends abt N30W, dips NE
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS - Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C2) - Craig 2°
County - Routt
Reference - Oral comm.

Province -
Remarks -
1. Ken does not think this is an active fault

NUMBER- 169 Active Faults Map Ken Segerstrom

Name of fault - Unnamed
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - At least 10 miles)
Attitude of fault - Trends abt N80W, dips SW
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS - Fed Ctr.
Denver, Colo. 80225
Phone - (303) - 234 - 4435
State map - Colo (C2) Craig 2°
County - Routt
Reference - Oral comm.
Bull. 1349 - Ken Segerstrom

Province -
Remarks -
1. Breaks Brown Park Fm
2. Bull 1349 states flt down on NE
3. Ken does not think that this is an active fault

NUMBER-170 Active Faults Map

Name of fault - Unnamed fault near Pearl
Latest movement - Prob. Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - 5 miles
Attitude of fault - Trends abt N40W., dips SW
Susceptibility to eq. - Low.
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed Ctr
Denver, Colo. 80225
Phone - (303) - 234 - 4435
State map - Colo (C-2) - Craig 2°
County - Jackson
Reference - Oral comm.

Province -
Remarks -
Gypsite Browns Park

NUMBER-171 Active Faults Map

Name of fault - Spring Creek fault (Complex of faults)
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - Abt 16 miles
Attitude of fault - Trends abt N70W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS - Fed. Ctr,
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-2) Craig 2°
County - Jackson
Reference - Oral comm.

Province -
Remarks -

NUMBER- 172 Active Faults Map

Name of fault - Steamboat Springs fault - Cuts thru Steamboat Spgs.
Latest movement - Prob Late Cenoz
(Age of fault)
Type of fault - High angle normal
Rel. dir. movement - Down on east

Length of fault - Abt 45 miles
Attitude of fault - Trends generally north
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed Ctr,
Denver, Colo. 80225
Phone - (303) - 234 - 4435
State map - Colo (C-2) Craig 2°
County - Routt
Reference - Oral comm.

Province -
Remarks -

NUMBER- 175 Active Faults Map

Name of fault - Unnamed fault in Morrison Creek
Latest movement - Prob Late Cenoz. Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - Abt 10 miles
Attitude of fault - Trends abt N 40 W, dips SW
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C2) Craig 2°
County - Routt
Reference -

Province -
Remarks -

NUMBER-176 Active Faults Map

Name of fault - Yampa fault - along Yampa River
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - NE side down

Length of fault - About 14 miles
Attitude of fault - Trends abt N 30 W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Glen Izett
Address USGS, Fed Ctr
Denver, Colo
Phone - (303) - 234 - 4435
State map - Colo (C-2) Craig 2°
County - Routt
Reference Oral comm.

Province -
Remarks -

NUMBER-177 Active Faults Map

Name of fault - Antelope Park fault - NE of Kremmling
Latest movement - Prob Late Cenoz. Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on east

Length of fault - Abt 10 miles
Attitude of fault - Trends generally north
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Glen Izett
Address USGS - Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-2) Craig 2°
County - Grand
Reference - Oral comm.

Province -
Remarks -

NUMBER- 182 Active Faults Map

Name of fault - Mosquito fault
Latest movement - Prob Maj Late Quat - (breaks Bull Lake dep)
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NW

Length of fault - Abt 30 miles)
Attitude of fault - N20E
Susceptibility to eq. - Moderate to High
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Ogden, Tweto
Address USGS - Fed Ctr
Denver, Colo. 80225
Phone - (303) - 234 - 3368
State map - Colo (B-2) Leadville 2°
County - Lake, Summit
Reference - Oral comm. - Compil of Leadville 2° Sheet.

Province -
Remarks -
, Ogden notes that Bull Lake dep are broken and offset.

NUMBER- 183 Active Faults Map

Name of fault - Unnamed fault - east of Leadville
Latest movement - Prob. Maj Late Quat
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NW

Length of fault - Abt 10 miles)
Attitude of fault - Trends abt N50W - Concave to NW
Susceptibility to eq. - Low to Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Ogden, Tweto
Address USGS. Fed. Ctr,
Denver, Colo. 80225
Phone - (303) - 234 - 3368
State map - Colo (B-2) Leadville 2°
County - Lake
Reference - Oral comm: Compilator of Leadville 2° Sheet.

Province -
Remarks -

NUMBER- 184 Active Faults Map

Name of fault - Unnamed fault west of Leadville
Latest movement - Prob Maj Late Quat - Yellow
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on east

Length of fault - Abt 20 miles
Attitude of fault - Trends north and NE
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Ogden Tweto
Address USGS - Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 3368
State map - Colo (B2)
County - Lake
Reference - Oral comm.

Province -
Remarks -

NUMBER- 185 Active Faults Map

Name of fault - Unnamed fault along west side of Arkansas Valley
Latest movement - Prob Maj Late Quat.
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - Abt 6 miles
Attitude of fault - Trends abt N20W
Susceptibility to eq. - Low to Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Ogden Tweto
Address USGS - Fed Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 3368
State map - Colo (B2) Leadville 2°
County - Lake, Chaffee
Reference - Oral comm

Province -
Remarks -

NUMBER- 186 Active Faults Map

Name of fault - Unnamed fault along NE flank of Williams Fork Mtns
Latest movement - Prob Maj Quat
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - Abt 17 miles
Attitude of fault - N50W
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Ogden Tweto
Address USGS - Fed Ctr
Denver, Colo
Phone - (303) - 234 - 3368
State map - Colo (C-2) - Leadville 2°
County - Grand
Reference - Oral comm.

Province -
Remarks -

NUMBER- 187 Active Faults Map

Name of fault - Unnamed fault - along Williams Fork
Latest movement - Prob Maj Quat
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - Abt 13 miles
Attitude of fault - Trends about N30W, dips SW
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Ogden Tweto
Address USGS - Fed Ctr
Denver, Colo
Phone - (303) - 234 - 3368
State map - Colo (C-2) Leadville 2°
County - Grand
Reference - Oral comm.

Province -
Remarks -

NUMBER- 281 Active Faults Map

Name of fault - Little Dolores River fault
Latest movement - Maj Quat (acc to Fred Cole) - Green
(Age of fault)
Type of fault - High angle normal(?) (May be reverse)
Rel. dir. movement - NE side down

Length of fault - Abt 10 miles
Attitude of fault - Trend abt N 60 W., dips NE
Susceptibility to eq - Low to Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Fred Cole
Address USGS - Fed Ctr,
Denver, Colo, 80225
Phone - (303) 234-2914
State map - Colo (B-1) - Grd. Jct. 2°
County - MESA
Reference - I-736 (Grd. Jct. 2°)

Province -
Remarks -

NUMBER- 282 Active Faults Map

Name of fault - Glade Park fault
Latest movement - Maj Quat - Green
(Age of fault)
Type of fault - High-angle normal(?) - May be reverse
Rel. dir. movement - NE side down

Length of fault - 35 miles ±
Attitude of fault - Trends abt N45W, dips NE
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Fred Cole
Address USGS - Fed Ctr,
Denver, Colo, 80225
Phone - (303) - 234 - 2914
State map - Colo (B-1) Grd Jct 2° Mosh 2°
County - Mesa and Delta
Reference - I-736 (Carbon's Grand Jct 2° sheet)

Province -
Remarks -

NUMBER- 178 Active Faults Map

Name of fault - Unnamed fault - NE of Kremmling
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on east

Length of fault - 7-8 miles
Attitude of fault - Trends generally north
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS - Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234-4435
State map - Colo (C-2) Craig 2°
County - Grand
Reference - Oral comm.

Province -
Remarks -

NUMBER- 179 Active Faults Map

Name of fault - Unnamed fault - SW of Kremmling
Latest movement - Prob Late Cenoz
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SE

Length of fault - Abt 5 miles
Attitude of fault - Trends abt N30E, dips SE
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett (Ogden Tweto)
Address USGS Fed Ctr,
Denver, Colo, 80225
Phone - (303) - 234-4435
State map - Colo (C-2) Craig 2°
County - Grand
Reference -

Province -
Remarks -

NUMBER- 180

Active Faults Map

Name of fault - Gore fault

Latest movement - First Late Cenoz - Blue
(Age of fault)

Type of fault - High-angle normal

Rel. dir. movement - Down on southwest

Length of fault - 45 miles +

Attitude of fault - Trends abt N25W, dips SW

Susceptibility to eq. - Low to moderate

Confidence (reliability) level -

Recurrence interval -

Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Ogden Tweto

Address USGS - Fed Ctr,
Denver, Colo, 80225

Phone - (303)-234-3368

State map - Colo (B-2, C-2) Leadville 2° Craig 2°

County - Eagle, Summit, Grand

Reference - Oral comm.

Province -

Remarks -

NUMBER- 181

Active Faults Map

Name of fault - Frontal fault

Latest movement - Historic - displaces alluv + rock slides; fault scarp
(Age of fault)

Type of fault - High-angle normal

Rel. dir. movement - Down on NE

Length of fault - Abt 30 miles

Attitude of fault - Trends abt. N30W, dips NE

Susceptibility to eq. - Moderate to High

Confidence (reliability) level -

Recurrence interval -

Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Ogden Tweto

Address USGS - Fed Ctr
Denver, Colo, 80225

Phone - (303)-234-3368

State map - Colo (B-2, C-2) - Leadville 2°

County - Summit

Reference - Oral comm - Leadville 2° compil.

Province -

Remarks -

1 - Ogden and Reed recently talk about early slump in this area - early Hol?
No seismicity known for area.

NUMBER- 188 Active Faults Map

Name of fault - Unnamed. Major fault that trends across San Luis Valley
Latest movement - Prob Maj Quat - Green
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NW

Length of fault - 45 miles
Attitude of fault - Trends abt N40°E, dips NW
Susceptibility to eq? Low - to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Ogden Tweto
Address USGS - Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234 -
State map - Colo (A-2) Trinidad 2°
County - Conejos, Alamosa
Reference - Oral comm.

Province -
Remarks -

1. Gilbo not shown on Van Johnson's 2° Trinidad compilation - Glenn Scott believes this fault is present.

NUMBER- 189 Active Faults Map

Name of fault - Unnamed fault - Near Manila
Latest movement - Prob Maj Quat - Green
(Age of fault)
Type of fault - Unknown - (From aerial photo)
Rel. dir. movement - Unknown - looks as if west side is down

Length of fault - 8 miles ±
Attitude of fault - Trends abt N10W, dips west?
Susceptibility to eq. - Low - to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Roger Colton
Address USGS - Fed Ctr
Denver, Colo., 80225
Phone - (303) - 234 - 3927
State map - Colo. (A-2) - Trinidad 2° Sheet
County - Costilla
Reference - From aerial photos
(AMS - VV 6E M8 AMS - 9001. 53 133)
Photo Nos. 1362 - 1364)
Province -
Remarks -

NUMBER- 283 Active Faults Map

Name of fault - Redlands fault
Latest movement - Maj. Quat, Green
(Age of fault)
Type of fault - High-angle normal (?) - may be reverse
Rel. dir. movement - Down on NE

Length of fault - Abt. 6 miles
Attitude of fault - Trends abt N 40 W., dips NE
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Fred Coker
Address USGS - Fed. Ctr.,
Denver, Colo, 80225
Phone - (303) - 234-2914 Grd Jct. 2°
State map - Colo (B-1)
County - Mesa
Reference - I-736 (Cashion's Grd
Jct. 2° sheet)

Province -
Remarks -

NUMBER- 325 Active Faults Map

Name of fault - Un-named (?)
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Uncertain

Length of fault - Abt 30 miles
Attitude of fault - Trends abt N55W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Henry W. Roehler
Address USGS

Phone -
State map - Colo (C-1)
County - Moffat
Reference - Roehler's compilation

Province -
Remarks -

NUMBER- 326 Active Faults Map

Name of fault - Un-named
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Unknown

Length of fault - Abt 8 miles
Attitude of fault - Trends generally eastward
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Henry W. Roehler
Address USGS

Phone -
State map - Colo (C-1)
County - Moffat
Reference - Roehler's compilation

Province -
Remarks -

NUMBER- 327 Active Faults Map

Name of fault - Un-named
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Uncertain

Length of fault - Abt 7 miles
Attitude of fault - Trends ~ N & W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Henry W. Roehler
Address USGS

Phone -
State map - Colo (C-1)
County - Moffat
Reference - Roehler's compilation

Province -
Remarks -

NUMBER- 328 Active Faults Map

Name of fault - Un-named
Latest movement - Prob Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Uncertain

Length of fault - 4 miles
Attitude of fault - Trends abt N70E
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Henry W. Roehler
Address USGS
Phone -
State map - Colo (C-1)
County - Moffat
Reference - Roehler's compilation
Province -
Remarks -

NUMBER- 330 Active Faults Map

Name of fault - Unnamed fault
Latest movement - Post-Miocene - Offsets Browns Park Fm.
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NW

Length of fault -
Attitude of fault - Trends abt N 60 E
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - George Snyder
Address USGS - Fed. Ctr.
Denver, Co. 80225
Phone - (303) - 234 - 3593
State map - Colorado (C-2)
County - Jackson
Reference - Oral comm.
On Craig 2° Sheet
Province -
Remarks -
Browns Park in contact with PC orgs
Fault is well-exposed in valley of
Encampment River

NUMBER- 349 Active Faults Map

Name of fault - Ryan Creek fault zone
Latest movement - Late-Pleistocene - (May be moving today)
(Age of fault)
Type of fault - High angle normal -
Rel. dir. movement - Down on SW.

Source - Fred W. Cater, Jr
Address U. S. G. S
Fed. Ctr, Denver, Colo. 80225
Phone - (303)-234-2914
State map - Colo (B-1)
County - Mesa
Reference - Oral Comm. Also on Moab 2° Sheet.

Length of fault - At least 12 miles in Colo - Extends into Utah
Attitude of fault - Trends east N70°W
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Province -
Remarks -
One of the faults that bounds the SW flank of the Uncompahgre Plateau.

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

NUMBER- 350 Active Faults Map

Name of fault - Unnamed (SW flank of Half Hill)
Latest movement - Maj. Quat. (Possible active today)
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW.

Source - Fred W. Cater, Jr
Address U.S.G.S.
Fed. Ctr, Denver, Colo, 80225
Phone - (303)-234-2914
State map - Colo (B-1)
County - Mesa
Reference - Oral Comm. Also on Moab 2° Sheet.

Length of fault - 8-9 miles
Attitude of fault - N35-40 W.
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Province -
Remarks - One of many fits formed along SW flank of Uncompahgre Uplift.

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

NUMBER- 351 Active Faults Map

Name of fault - Unnamed - (Cuts across Pine Mountain)
Latest movement - Maj Quat. - Belongs to family of faults that bound
(Age of fault) Uncompahgre - May be moving today
Type of fault - High-angle normal
Rel. dir. movement - Down on SW.

Length of fault - 15-16 miles (Concave to NE)
Attitude of fault - Trends abt N 45-50 W.
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Fred W. Cater, Jr.
Address USGS.
Fed. Ctr. Denver, Colo, 80225
Phone - (303) - 234-2914
State map - Colo (B-1)
County - Mesa
Reference - Oral comm. See also
Mosb 2° sheet.

Province -
Remarks - Flanks SW edge of
Uncompahgre Uplift.

NUMBER- 352 Active Faults Map

Name of fault - Unnamed - (Near Atkinson Mesa)
Latest movement - Maj. Quat., Belongs to faults that bound
(Age of fault) Uncompahgre Uplift.
Type of fault - High-angle normal
Rel. dir. movement - Down on SW.

Length of fault - 15-16 miles
Attitude of fault - Trends abt N 60W.
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Fred W. Cater, Jr.
Address USGS
Fed. Ctr., Denver, Colo, 80225
Phone - (303) - 234-2914
State map - Colo (B-1)
County - Mesa - Montrose
Reference - Oral comm. Also on
Mosb 2° sheet.

Province -
Remarks -
One of many faults that bound
Uncompahgre Uplift.

NUMBER-353 Active Faults Map

Name of fault - Unnamed (Cromer Pinto Mesa)
Latest movement - Maj. Quat (Green) -
(Age of fault)

Type of fault - High-angle normal
Rel. dir. movement - Down on SW

Length of fault - 10-11 miles)
Attitude of fault - Trends abt N45W
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Fred W. Cater, Jr.,
Address USGS.,
Fed. Ctr, Denver, Colo, 80225
Phone - (303)-234-2914
State map - Colo (B-1)
County - Montrose
Reference - Oral comm. Also on Moab 2° Sheet.

Province -
Remarks - One of many faults that bounds SW flank of Uncompahgre Plateau

NUMBER-354 Active Faults Map

Name of fault - Unnamed (Cuts Cottonwood Creek)
Latest movement - Major Quat.
(Age of fault)

Type of fault - High-angle normal
Rel. dir. movement - Down on SW.

Length of fault - Abt. 3 miles
Attitude of fault - Trends abt N50W
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Fred W. Cater, Jr.,
Address USGS
Fed. Ctr, Denver, Colo, 80225
Phone - (303)-234-2914
State map - Colo (B-1)
County - Montrose
Reference - Oral comm. Also on Moab 2° Sheet.

Province -
Remarks - One of many faults that flanks SW edge of Uncompahgre Uplift.

NUMBER-355 Active Faults Map

Name of fault - Unnamed (Near Horsefly Creek)
Latest movement - Major Quat. (Green)
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW.

Length of fault - Abt 20 miles
Attitude of fault - Trends abt N 65 W
Susceptibility to eq. - Moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange - 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Fred W. Cater, Jr
Address USGS
Fed. Ctr., Denver, Colo, 80225
Phone - (303) - 234 - 2914
State map - Colo (B-1)
County - Montrose
Reference - Oral comm. Also on Moab 2° sheet.

Province -
Remarks - One of many faults that bound SW flank of Uncompahgre Uplift.

NUMBER-356 Active Faults Map

Name of fault - Unnamed fault - SE of Lay
Latest movement - Prob. Late Cenoz - Blue
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - 3-4 miles
Attitude of fault - Trends abt N 50 W; dips NE
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange - 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Glen Izett
Address USGS Fed. Ctr
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) - Craig 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER-357 Active Faults Map

Name of fault - Unnamed fault
Latest movement - Maj. Quat - Green
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on NE

Length of fault - 1-2 miles
Attitude of fault - Trends abt N20W; dips NE
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Scott
Address USGS - Fed. Ctr.
Denver, Colo., 80225
Phone - (303) 234-3545
State map - Colo. (B-2)
County - Chaffee
Reference - Buena Vista (Unpubl'd)
Oral comm.

Province -
Remarks -

NUMBER-358 Active Faults Map

Name of fault - Un-named
Latest movement - Probably Late Cenozoic (Blue)
(Age of fault)
Type of fault - High-angle normal?
Rel. dir. movement - Unknown

Length of fault - Abt 3 miles
Attitude of fault - Trends abt N 60 E
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed Ctr.,
Denver, Colo., 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER-359 Active Faults Map

Name of fault - Unnamed
Latest movement - Poss. Late Cenoz - (Blue)
(Age of fault)
Type of fault - High-angle normal?
Rel. dir. movement - Unknown

Length of fault - Abt 3 miles
Attitude of fault - Trends abt N30W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal: - Purple 1210

Source - Glen Izett
Address USGS., Fed. Ctr.,
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER-360 Active Faults Map

Name of fault - Unnamed
Latest movement - Poss Late Cenoz - (Blue)
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW.

Length of fault - Abt 4 miles
Attitude of fault - Curves, concave to SW - Trends abt N70W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal: - Purple 1210

Source - Glen Izett
Address USGS - Fed. Ctr.,
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo - (C1) Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 361 Active Faults Map

Name of fault - Unnamed
Latest movement - Prob Late Cenoz (Blue)
(Age of fault)
Type of fault - High-angle normal (?)
Rel. dir. movement - Unknown

Length of fault - Abt 4 miles
Attitude of fault - Trends abt N50E
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Glen Izett
Address U.S.G.S.
Fed Ctr, Denver, Colo, 80225
Phone - (303) - 234-4435
State map - Colo (C-1) Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 362 Active Faults Map

Name of fault - Unnamed
Latest movement - Prob. Late Cenoz. (Blue)
(Age of fault)
Type of fault - High-angle normal (?)
Rel. dir. movement - Unknown

Length of fault - Abt 3 miles
Attitude of fault - Trends abt N 50° E
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal - Purple 1210

Source - Glen Izett
Address USGS., Fed Ctr.
Denver, Colo, 80225
Phone - (303) - 234-4435
State map - Colo (C-1) Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 363 Active Faults Map

Name of fault - Unnamed
Latest movement - Prob, Late Cenoz. (Blue)
(Age of fault)
Type of fault - High-angle normal (?)
Rel. dir. movement - Unknown

Length of fault - Abt 3 miles
Attitude of fault - Trends abt N50°E
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen. Izett
Address USGS, Fed. Ctr.,
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 364 Active Faults Map

Name of fault - Unnamed
Latest movement - Prob Late Cenoz (Blu)
(Age of fault)
Type of fault - High-angle normal (?)
Rel. dir. movement - Unknown

Length of fault - Abt 3 miles
Attitude of fault - Trends abt N55W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS - Fed Ctr,
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) - Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 365 Active Faults Map

Name of fault - Unnamed
Latest movement - Prob. Late Cenoz (Blue)
(Age of fault)
Type of fault - High-angle normal(?)
Rel. dir. movement - Unknown

Length of fault - Abt 3 miles
Attitude of fault - Trends abt N 55°W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS - Fed. Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) - Vernal 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 366 Active Faults Map

Name of fault - Unnamed
Latest movement - Prob. Late Cenoz
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - NE block down

Length of fault - Abt 2 miles
Attitude of fault - Trends abt N 60°W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS Fed. Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) Craig 2°
County - Moffat
Reference - Oral comm.

Province -
Remarks -

NUMBER- 367 Active Faults Map

Name of fault - Unnamed
Latest movement - Prob. Late Cenoz. (Blue)
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on SW.

Length of fault - Abt 3 miles
Attitude of fault - Trends abt N 35 W
Susceptibility to eq. - Low
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glen Izett
Address USGS - Fed. Ctr.
Denver, Colo, 80225
Phone - (303) - 234 - 4435
State map - Colo (C-1) Greeley 2°
County - Moffat
Reference - Oral comm

Province -
Remarks -

NUMBER- 368 Active Faults Map

Name of fault - Unnamed fault along west side of Arkansas Valley
Latest movement - Prob. Maj Late Quat (Yellow)
(Age of fault)
Type of fault - High-angle normal
Rel. dir. movement - Down on north

Length of fault - Abt 4 miles
Attitude of fault - Trends abt N 70 E
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Ogden Tweto
Address USGS - Fed. Ctr.,
Denver, Colo, 80225
Phone - (303) - 234 - 3368
State map - Colo (B-2) Leadville 2°
County - Lake
Reference - Oral comm.

Province -
Remarks -

NUMBER- 369 Active Faults Map

Name of fault - Unnamed (Connects Ilse and Currant Creek faults)
Latest movement - Pre Late Cenoz (Blue)
(Age of fault)
Type of fault - Major fault - High-angle normal
Rel. dir. movement - Down on north

Length of fault - Not 7 miles
Attitude of fault - Trends about N 85° W
Susceptibility to eq. - Low to moderate
Confidence (reliability) level -
Recurrence interval -
Fault density -

Historic - Red - 1237
Holocene - Orange 1214
Maj. Late Quat - Yellow 1209
Maj. Quat. - Green 1208
Late Cenoz. - Blue 1206
Other anomal. - Purple 1210

Source - Glenn Scott
Address USGS Fed Ctr.
Denver, Colo., 80225
Phone - (303) - 234-3545
State map - Colo (8-3) Pueblo 2°
County - Fremont
Reference - Oral comm. - Pueblo 2° Sheet, and Scott PP 700-C, p. C11-C18

Province -
Remarks -