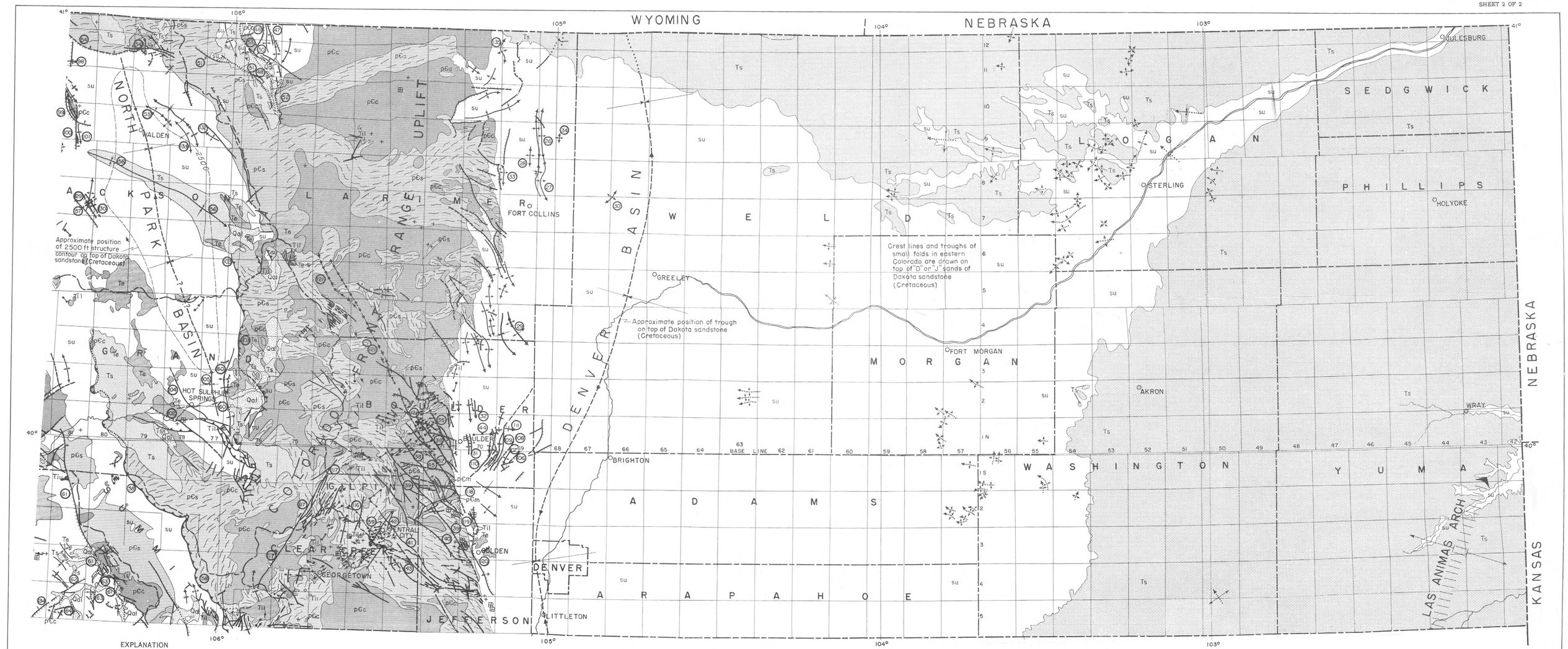
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

MINERAL INVESTIGATIONS
FIELD STUDIES MAP MF 130
SHEET 2 OF 2



EXPLANATION

SEDIMENTARY ROCKS

Pleistocene and Recent	Qal — Alluvium, colluvium, and glacial drift, undifferentiated. *Shown only where significant structures or rock types are concealed.*	QUATERNARY
Oligocene, Miocene, Pliocene	Ts — Sedimentary rocks, undifferentiated	CAMBRIAN TERTIARY TO TERTIARY
Upper Cretaceous to Eocene	su — Sedimentary rocks, undifferentiated	

IGNEOUS AND METAMORPHIC ROCKS

Upper Tertiary	Tiu — Intrusive rocks	TERTIARY
Lower Tertiary	Te — Extrusive rocks	
	Til — Intrusive rocks	
	p€m — Metasedimentary rocks. *Chiefly quartzite and similar rocks which have undergone slight metamorphic changes.*	PRECAMBRIAN
	p€c — Coarsely crystalline rocks. *Mostly massive granitoid rocks; some slightly to moderately foliated.*	
	p€s — Schist and gneiss. *General trend of foliation shown by curved linear pattern.*	

IGNEOUS, METAMORPHIC, AND SEDIMENTARY ROCKS

	p€u — Precambrian rocks, undifferentiated	PRECAMBRIAN

Approximate contact

Fault
Dashed where inferred or indefinite; dotted where concealed or recognized from subsurface data; queried where doubtful or probable. Barbs indicate relative movement; hachures are on relatively downthrown side; arrows show direction of dip.

Fault zone

Low-angle thrust fault
Sawteeth on relatively overthrust side.

The following fold symbols are solid where position of fold is known; dashed where indefinite or inferred; dotted where concealed or recognized from subsurface data; queried where doubtful or probable. The relative wave length of folds is indicated by length of cross arrows. Structure contour indicates approximate configuration only.

Anticline, showing crest line or trace of axial plane and direction of plunge

Asymmetric anticline
Short arrow indicates steeper limb.

Dome

Syncline, showing position of trough or trace of axial plane and direction of plunge

Asymmetric syncline
Short arrow indicates steeper limb.

Anticlinal bend of monocline or terrace

Synclinal bend of monocline or terrace

Broad anticline or arch, showing approximate position of crest line and direction of plunge
Dips associated with these structures are very low; position of crest line shown only within wide limits.

Joints and small faults; some are filled by veins or dikes

Vein or igneous dike

Intrusive rocks at depth

(40) Numbers refer to list of named structures

Uranium deposit, or a locality from which a sample containing 0.01% or more uranium has been obtained or from which visible uranium minerals have been obtained
Box around symbol indicates deposit yielded uranium ore.

Group of uranium deposits or localities

LIST OF STRUCTURES

1. Axial Basin anticline
2. Danforth Hills anticline
3. Williams Fork anticline
4. Craig anticline
5. Beaver Creek anticline
6. Iles dome
7. Powder Wash anticline
8. Hiawatha anticline
9. Dry Mountain anticline
10. Chimney Creek dome
11. Tow Creek anticline
12. Trull anticline
13. Sage Creek anticline
14. Fish Creek anticline
15. Pagoda anticline
16. Williams Park anticline
17. Seely anticline
18. Lookout Mountain arch
19. Uinta fault
20. Cross Mountain anticline
21. Elk Springs anticline
22. Uinta Mountain anticline
23. Yampa fault
24. Thornburg (Morapos) anticline
25. White River uplift
26. Wellington anticline
27. Fort Collins anticline
28. Douglas Lake anticline
29. Berthoud anticline
30. Black Hollow anticline
31. Parallel dome
32. Haystack Mountain anticline
33. Bellvue anticline
34. Clarks Lake anticline
35. Maxwell "dike"
36. Hoosier "dike"
37. Livingston "dike"
38. Rogers "dike"
39. Hurricane Hill "dike"
40. Junction Ranch "dike"
41. Blackhawk fault
42. Dory Hill fault
43. Floyd Hill fault
44. Valmont dike
45. Copeland "dike"
46. Stink Creek fault
47. Shell Creek fault
48. Laramie River syncline
49. Stuck Creek syncline
50. Bull Mountain syncline
51. North Middle Mountain fault
52. Green Ridge fault
53. Bull Mountain fault
54. Independence Mountain fault
55. North McCallum anticline
56. North Park syncline
57. East Pole Mountain fault
58. Williams Range thrust fault
59. Quartz Hill anticline
60. Granby anticline
61. Gore fault
62. Whiskey Creek fault zone
63. Spraddle Creek fault zone
64. Minturn-Grouse Creek fault zone
65. Round Bottom syncline
66. Shell Creek anticline
67. Slater dome
68. Yellowjacket anticline
69. Poose Creek anticline
70. Crosho Lake anticline
71. Little Poose Creek anticline
72. Trout Creek anticline
73. Two Bar anticline
74. Haymower anticline
75. North Craig anticline
76. Bell Rock dome
77. Moffat dome
78. Shell Creek fault
79. King Solomon Creek fault
80. North Flank fault
81. Linwood nose
82. Henry's Fork fault
83. Clay Basin anticline
84. South Flank fault
85. Baker Spring nose
86. Island Park syncline
87. Glen anticline
88. McCoy (Rock Creek) fault and anticline
89. Burns syncline
90. Wolcott syncline
91. Sunday Creek fault
92. Coffin Mountain fault
93. Bruce Creek fault
94. Brush Creek fault
95. Lady Belle fault
96. Cabin Creek fault
97. Boetcher Ridge fault
98. Hill anticline
99. Sheep Mountain fault
100. Delanos fault
101. Delanos anticline
102. Byers Ridge fault
103. Never Summer thrust fault
104. Mt. Bross fault
105. Hot Sulphur Springs syncline
106. Louisville fault
107. Louisville anticline
108. Fireside fault
109. Harper fault
110. Fox fault
111. Boulder Creek anticline
112. Copper Spur anticline and fault
113. Yarmony monocline
114. Yarmony Mountain fault
115. Yarmony Park fault
116. Apex fault
117. Berthoud Pass fault
118. Coal Creek syncline
119. Ralston dike
120. Golden fault
121. Iron dike
122. Deep Creek fault zone
123. Coal Mine syncline
124. Dry Fork anticlinal nose
125. Ashley Creek anticlinal nose
126. Neal dome
127. Brush Creek anticlinal nose
128. Davis Spring anticlinal nose
129. Little Grizzly fault
130. Coalmont fault
131. Breese anticline
132. Elk Mountain anticline
133. South McCallum anticline
134. East Lake Creek fault
135. Sand Creek—Boxelder Creek anticline

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PRELIMINARY TECTONIC MAP OF NORTHERN COLORADO AND NORTHEASTERN UTAH, SHOWING THE DISTRIBUTION OF URANIUM DEPOSITS

Compiled by
F. W. Osterwald and B. G. Dean

Scale 1:500 000

10 0 10 20 30 Miles

1957

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FIELD STUDIES MAP MF 130
SHEET 2 OF 2

~~Colorado (North). Structure. 1:500,000. 1957.~~
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