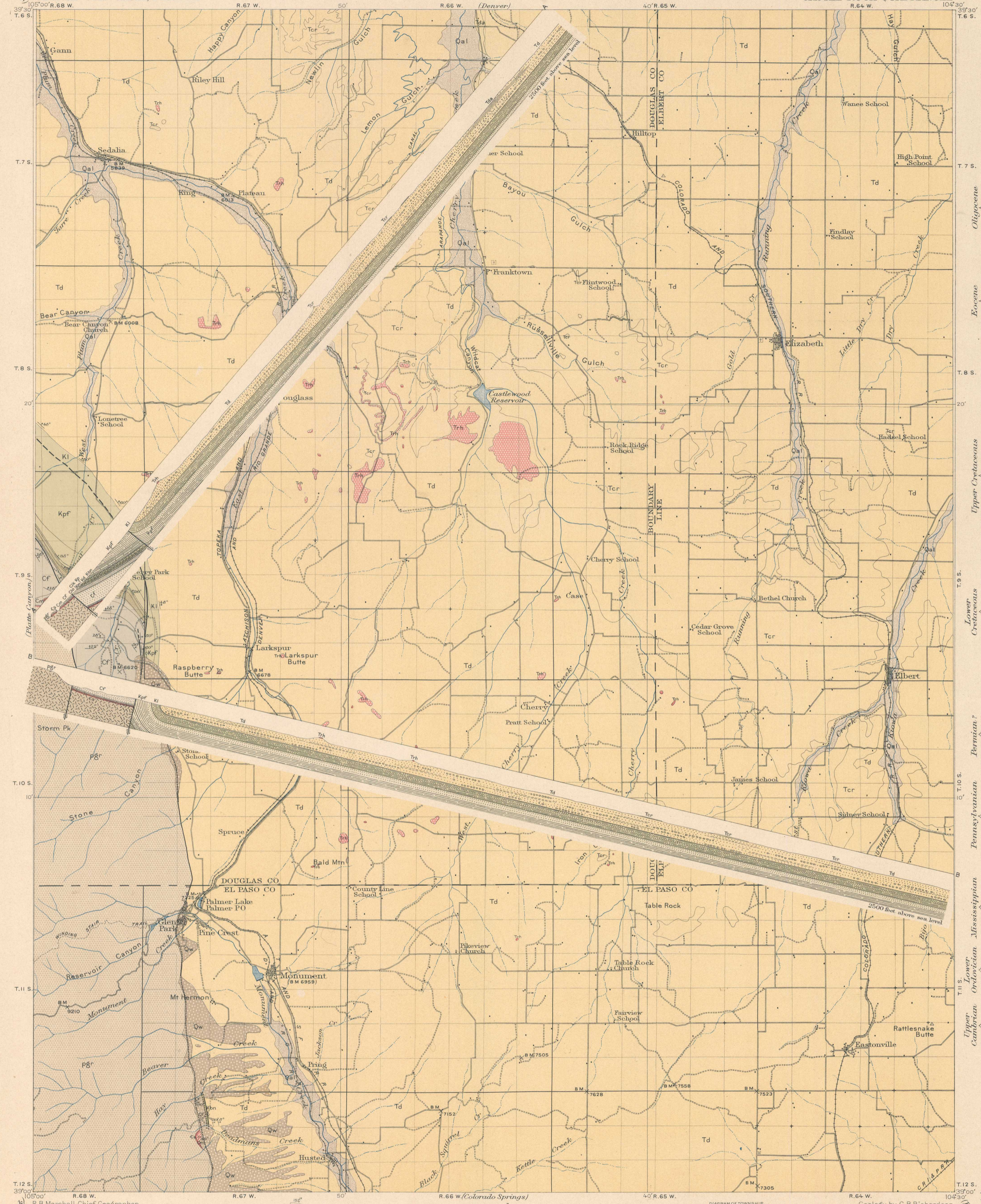


STRUCTURE SECTIONS



LEGEND

CHIEFLY SEDIMENTARY ROCKS

SHEET SYMBOL	SECTION SYMBOL	DESCRIPTION	PERIOD
Qal	Qal	Stream alluvium (gravel, sand, and silt in valley bottom, and silt in larger deposits shown)	QUATERNARY
Qw	Qw	Wash (sand and gravel washed from the plateau)	QUATERNARY
UNCONFORMITY			
Ter	Ter	Castle Rock conglomerate (industrial conglomerate and sandstone)	CHIPPICENE
UNCONFORMITY			
Trh	Trh	Rhyolite lava and tuff (interbedded in upper part of Dawson arkose)	TERTIARY
Td	Td	Dawson arkose (varicolored arkose conglom- erate sandstone and shale, calcareous sandstone, etc. interbedded in places)	Eocene
UNCONFORMITY			
Kl	Kl	Laramie formation (sandstone and shale, possibly coal bearing)	UPPER CRETACEOUS
Kpf	Kpf	Pierre shale and Fox Hills sandstone (dark-gray shale and sandstone)	
Kbn	Kbn	Benton and Niobrara formations (shale, limestone, and some sandstone)	UPPER CRETACEOUS
Kd	Kd	Dakota sandstone (fine-grained quartzose sandstone)	
Kp	Kp	Purgatoire formation (light-buff sandstone and dark-gray shale)	LOWER CRETACEOUS
UNCONFORMITY?			
Km	Km	Morrison formation (varicolored sandstone, shale, and limestone)	JURASSIC OR CRETACEOUS
UNCONFORMITY			
Clk	Clk	Lykins formation (varicolored sandstone and shale with some limestone and gypsum)	PERMIAN
Clo	Clo	Lyons sandstone (fine-grained red and white quartzose sandstone)	
Cf	Cf	Fountain formation (red arkose sandstone and conglomerate in places)	CARBONIFEROUS
UNCONFORMITY			
Cm	Cm	Millsap limestone (blue bedded gray to purplish limestone with chert nodules)	MISSISSIPPIAN
UNCONFORMITY			
Or	Or	Manitou limestone (reddish and gray magnesian limestone)	ORDOVICIAN
Cs	Cs	Sawatch sandstone (white and red quartzose sandstone with garnets and glauconite)	CAMBRIAN
UNCONFORMITY			
Pgr	Pgr	Pikes Peak granite (batholith of coarsely granular biotite granite)	PRE-CAMBRIAN
IGNEOUS ROCKS			
Faults			
Concealed faults (covered by younger deposits)			

R.B. Marshall, Chief Geographer.
 Sledge Tatum, Geographer in Charge.
 Topography by G.C. Anderson and Geo. W. Lucas.
 Control by Coast and Geodetic Survey, H.L. Baldwin,
 and C.I. Anderson.
 Surveyed in 1911.

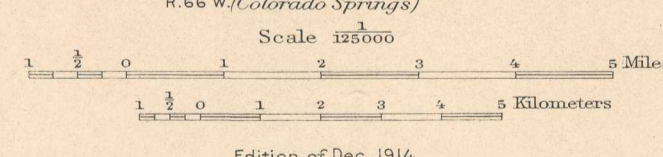


DIAGRAM OF TOWNSHIP:

6	5	4	3	2	1
7	6	5	4	3	2
8	7	6	5	4	3
9	8	7	6	5	4
10	9	8	7	6	5
11	10	9	8	7	6
12	11	10	9	8	7
13	12	11	10	9	8
14	13	12	11	10	9
15	14	13	12	11	10
16	15	14	13	12	11
17	16	15	14	13	12
18	17	16	15	14	13
19	18	17	16	15	14
20	19	18	17	16	15
21	20	19	18	17	16
22	21	20	19	18	17
23	22	21	20	19	18
24	23	22	21	20	19
25	24	23	22	21	20
26	25	24	23	22	21
27	26	25	24	23	22
28	27	26	25	24	23
29	28	27	26	25	24
30	29	28	27	26	25
31	30	29	28	27	26
32	31	30	29	28	27
33	32	31	30	29	28
34	33	32	31	30	29
35	34	33	32	31	30
36	35	34	33	32	31
37	36	35	34	33	32
38	37	36	35	34	33
39	38	37	36	35	34
40	39	38	37	36	35
41	40	39	38	37	36
42	41	40	39	38	37
43	42	41	40	39	38
44	43	42	41	40	39
45	44	43	42	41	40
46	45	44	43	42	41
47	46	45	44	43	42
48	47	46	45	44	43
49	48	47	46	45	44
50	49	48	47	46	45
51	50	49	48	47	46
52	51	50	49	48	47
53	52	51	50	49	48
54	53	52	51	50	49
55	54	53	52	51	50
56	55	54	53	52	51
57	56	55	54	53	52
58	57	56	55	54	53
59	58	57	56	55	54
60	59	58	57	56	55
61	60	59	58	57	56
62	61	60	59	58	57
63	62	61	60	59	58
64	63	62	61	60	59
65	64	63	62	61	60
66	65	64	63	62	61
67	66	65	64	63	62
68	67	66	65	64	63
69	68	67	66	65	64
70	69	68	67	66	65
71	70	69	68	67	66
72	71	70	69	68	67
73	72	71	70	69	68
74	73	72	71	70	69
75	74	73	72	71	70
76	75	74	73	72	71
77	76	75	74	73	72
78	77	76	75	74	73
79	78	77	76	75	74
80	79	78	77	76	75
81	80	79	78	77	76
82	81	80	79	78	77
83	82	81	80	79	78
84	83	82	81	80	79
85	84	83	82	81	80
86	85	84	83	82	81
87	86	85	84	83	82
88	87	86	85	84	83
89	88	87	86	85	84
90	89	88	87	86	85
91	90	89	88	87	86
92	91	90	89	88	87
93	92	91	90	89	88
94	93	92	91	90	89
95	94	93	92	91	90
96	95	94	93	92	91
97	96	95	94	93	92
98	97	96	95	94	93
99	98	97	96	95	94
100	99	98	97	96	95

Geology by G.B. Richardson,
 assisted by C.W. Cooke.
 Surveyed in 1910 and 1911.