Nh 5/10.1/1889-90
c. 2 pt. 2

COLORADO STATE PUBLICATIONS LIBRARY
3 1799 00122 4211

FIFTH BIENNIAL REPORT

OF THE

STATE ENGINEER

TO THE

GOVERNOR OF COLORADO,

FOR THE

Years 1889 and 1890.

PART II.

PUBLISHED BY AUTHORITY.

FIFTH BIENNIAL REPORT

OF THE

STATE ENGINEER

TO THE

GOVERNOR OF COLORADO,

FOR THE

Years 1889 and 1890.

PART II.

DENVER, COLO.:
THE COLLIER & CLEAVELAND LITHOGRAPHING CO., PRINTERS.
1890.

TABLE OF CONTENTS.

PART II.

	PLATE
Map of Water District No. 23—South Platte Division No. 1	I
Map of Water District No. 11—Arkansas Division No. 2	II
Map of Water District No. 12	III
Map of Water Districts No. 14, 16, 17, 18, 19 and 67	IV
Map of Water District No. 3—San Luis Valley	V
Map of Water District No. 38—Grand River Division No 5	VI
Map of Water District No. 39	VII
Map of Water District No. 45	VIII
Graphical presentation of the daily discharge, in cubic feet per second, of	
The Cache La Poudre river	IX
The Arkansas river	X
The South Platte river, station in cañon	XI
The South Platte river, foot of Nineteenth street, Denver	XII
The St. Vrain river	XIII
Bear creek—District No. 9	XIV
Boulder creek	XV
Big Thompson creek	XVI
South Boulder creek	XVII
The Del Norte river	XVIII
The Uncompahgre river	XIX

PLAT OF

IRRIGATED PORTION OF

WATER DISTRICT Nº 23

IN SOUTH PLATTE DIVISION (Nº 1),

STATE OF COLORADO.

Issued from the State Engineer's Office November 30th, 1890.

Prepared from the Report of Water Comissioner M.R. Hanlin.

REFERENCE.

1 Nelson
2 John Radford
3 East Side
4 Garden
5 Radford & Wright
6 Healy No 1
7 Thielberg
8 Healy No 2
9 Bentley
10 Platte Station
11 Sanderson Helfe No 5
12 Sanderson Helfe No 2
13 Robinson
14 Sanderson Helfe No 6
15 Sanderson Helfe No 4
16 Mikels
17 Sacramento
18 Anderson No 2
19 Anderson No 3
20 Mellors Champion
21 Ditch
22 Park
23 D F Miller No 1
24 Pearl Upper
25 Pearl Lower
26 Four Mile Creek
27 Bennett
28 Spring Branch
29 Alexaline
30 Rayner & Eaton No 1
31 Rayner & Eaton No 2
32 Rayner & Eaton No 3
33 Higgins
34 Four Mile
35 Brownlow & Stephens
36 Bentley No 2
37 Sanderson Helfe No 6
38 Thompson & Radcliff
39 Burlingame
40 Burlingame No 2
41 Hubbard
42 Wesser No 2
43 Wesser No 3
44 Chappelle
45 Burlingame No 4
46 Wesser No 1
47 Kester Smith
48 Hubbard No 2
49 Nelson Hogh Creek
50 Rogers
51 Franks
52 Formoleer & Shoemaker No 1
53 Formoleer Shoemaker No 2
54 Formoleer & Shoemaker No 3
55 Hoser No 1
56 W R Hood No 4
57 Hoser No 2
58 Hoser No 3
59 Salt Creek
60 Spring
61 Funk
62 Jefferson Lake
63 Randall & Nichols
64 Cincinnatti
65 Henry
66 Schaltinger
67 Demisch
68 Lofaex No 2
69 Chiles Gulch
70 Cutler
71 Lofaex
72 Lasch
73 Wh Wis
74 Hopson
75 Holtmann
76 Holtmann No 1
77 Fremont
78 Peabody No 2
79 Peabody
80 Peabody No 3
81 Gilbert
82 Montague Truax
83 Anderson & Brewer
84 McCartney
85 Posner
86 Dunbar No 1
87 Dunbar
88 Seaton
89 Hayland
90 Dunbar No 2
91 Trout Creek Reservoir
92 Shelton
93 Land No 1
94 Land No 2
95 Sigafoos
96 Guernsey
97 Winkler No 2
98 Smoll
99 Elisha Alden
100 Prenoe
101 Berry
102 Dudley
103 Alden & Milligan
104 Milligan
105 Reinhardt No 1
106 Reinhardt No 2
107 Reinhardt No 3
108 Donerson

R.78 W. R.77 W. R.76 W. R.75 W. R.74 W. R.73 W. R.72 W. R.71 W. R.70 W. R.69 W. R.68 W.

T. 6 S. T. 7 S. T. 8 S. T. 9 S. T. 10 S. T. 11 S. T. 12 S. T. 13 S.

1ST CORRECTION LINE SOUTH.

2ND CORRECTION LINE SOUTH.

6TH GUIDE MERIDIAN WEST.

23

EL PASO CO.

REFERENCE.

109 Fehringer No 2
110 Cohen
111 Reinhardt No 4
112 Hartzel Fine No 1
113 Harris
114 Chubb
115 Beaver Gulch
116 Dead Man's Gulch
117 Baker's Reservoir
118 Baker's Outlet
119 Baker
120 Baker & Lilley
121 Sheep Rock
122 Craig
123 Lilley & Hood
124 Dinkster
125 Anchor
126 Lofaemer
127 W R Hood
128 W R Hood No 2
129 Barnes
130 W R Hood No 3
131 Barnes & Sessions
132 Vallis
133 Lower Kapotha
134 Kapotha
135 Sessions
136 Randall
137 Taylor & Wagoner Creek
138 Gibson
139 Taylor
140 Crosier & Taylor
141 Hawkshurst
142 Crosier & Hawkshurst
143 W H Miller
144 W H Miller
145 Roberts
146 Patrie
147 Link
148 Horiend Extension
149 Park Gulch
150 Harrington South
151 Michigan
152 Fairyall
153 Neil
154 McManus
155 Fehringer No 1
156 Thompson
157 Danish Fytte
158 Mexican
159 Nain or Nabot
160 Harrington & Richards
161 Fritz
162 Richards Lower
163 Hot Springs
164 Pierce
165 Lee No 3
166 Lee No 4
167 Lee No 1
168 Lee No 2
169 Rutcliff No 8
170 Rutcliff No 9
171 Rutcliff No 7
172 Rutcliff No 6
173 Rutcliff No 2
174 Rutcliff No 3
175 Rutcliff No 5
176 Rutcliff No 4
177 Rutcliff No 1
178 Rock Creek No 1
179 Rock Creek
180 Dunbar No 2
181 Dunbar No 3
182 Trapps
183 Borden
184 Borden No 2
185 Mary Borden
186 Hilt No 2
187 Hilt No 1
188 Parker & Bones
189 Hilt & Parker
190 Western
191 Central
192 Divine Hill
193 Foster
194 Sadler
195 Big Springs
196 Chanell
197 Hopson No 1
198 Hopson No 3
199 Hopson No 2
200 J Pierce
201 Winkler No 1
202 Brookside
203 Park
204 Rogers North
205 Como Jim
206 Rogers South
207 Little Channel
208 Island
209 Weed
210 Weed
211 Lane & Haynes
212 Balm of Gilead
213 Lact
214 Standeren
215 West
216 Webb

217	Weslan	219	O F Miller	221	Wadley No 1	223	Wadley No 3	225	Stevens No 2	227	Stevens No 3	229	Lee No 1	231	Lee No 4
218	Anderson	220	Mazey & Armstrong	222	Wadley No 2	224	C B Brown	226	Stevens No 1	228	Sims	230	Lee No 2	232	Lee No 3

PLAT OF

IRRIGATED PORTION OF WATER DISTRICT No. 12.

ARKANSAS DIVISION (No. 2),

STATE OF COLORADO.

ISSUED FROM THE STATE ENGINEER'S OFFICE NOVEMBER 30th. 1890.

PLAT OF

THE ARKANSAS VALLEY

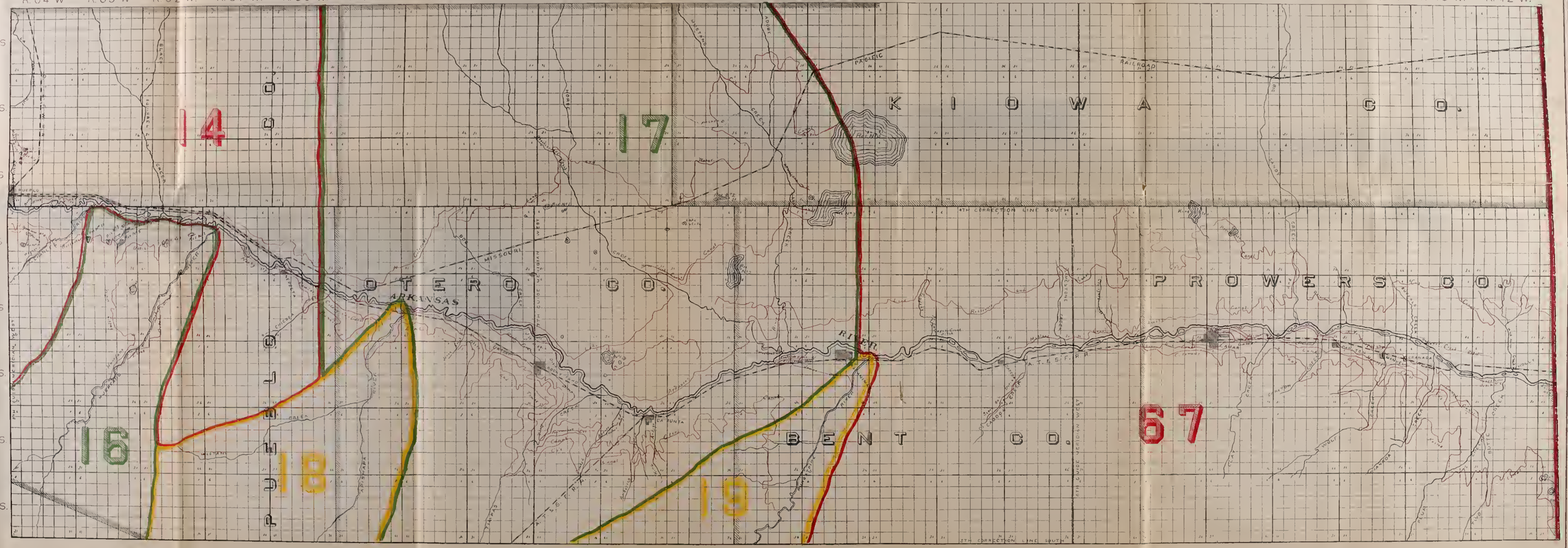
INCLUDING PORTIONS OF WATER DISTRICTS Nos 14, 16, 17, 18, 19 AND 67

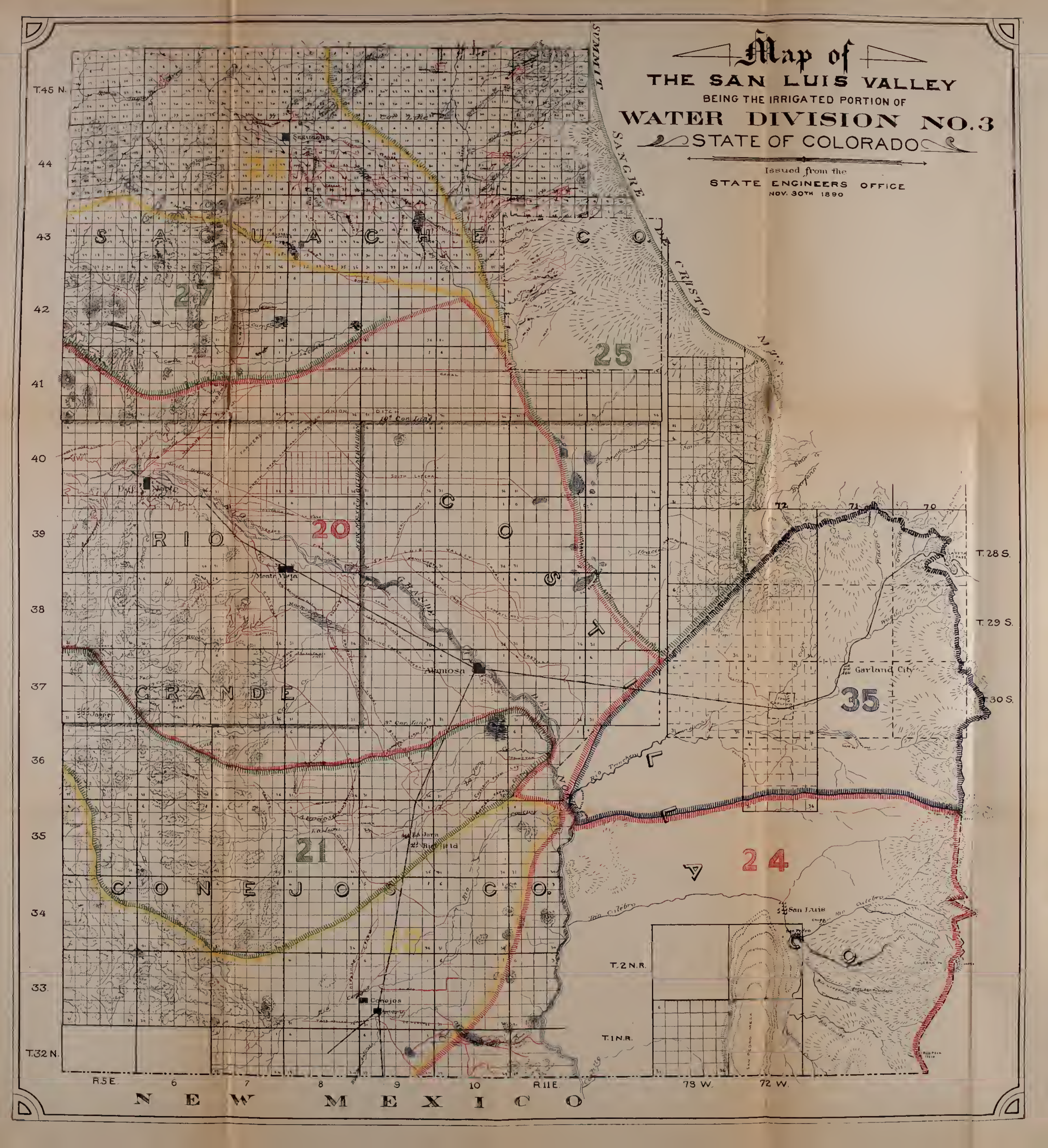
IN ARKANSAS DIVISION (No 2),

STATE OF COLORADO.

Issued from the State Engineer's Office November 30TH, 1890.

Prepared from data on file in the State Engineer's Office




Map of
THE SAN LUIS VALLEY
BEING THE IRRIGATED PORTION OF
WATER DIVISION NO. 3
STATE OF COLORADO
Issued from the
STATE ENGINEERS OFFICE
NOV. 30TH 1890
SAGUACHE
RIO GRANDE
CONEJOS
SANGRE DE CRISTO
Del Norte
Monte Vista
Alamosa
La Jara
Richfield
Conejos
Garland City
San Luis
Rio Culebra
Rio Conejos
Rio Grande
Rio Trinchera
Rio Costilla
Rio Grande Canal
North Lateral
South Lateral
Union Ditch
Placer Cr.
Wagon Cr.
San Pedro Mesa
20
21
24
25
27
35
T.45 N.
44
43
42
41
40
39
38
37
36
35
34
33
T.32 N.
T.28 S.
T.29 S.
T.30 S.
T.2 N.R.
T.1 N.R.
R.5 E.
6
7
8
9
10
R.11 E.
73 W.
72 W.
72
71
70
NEW MEXICO

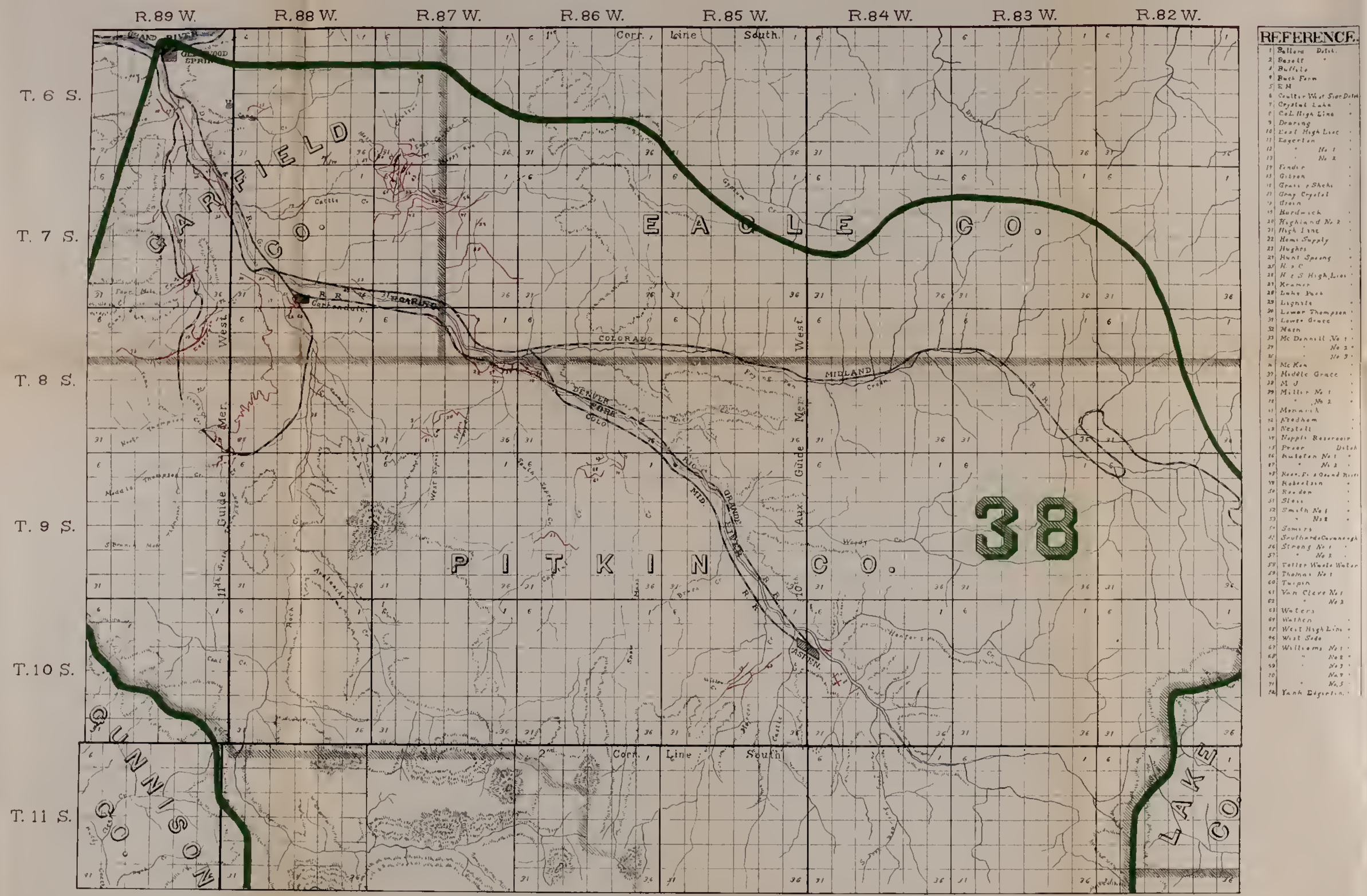
PLAT OF

IRRIGATED PORTION OF WATER DISTRICT No. 38.

GRAND RIVER DIVISION (No. 5.)

STATE OF COLORADO.

ISSUED FROM THE STATE ENGINEERS OFFICE NOVEMBER 30th, 1890.



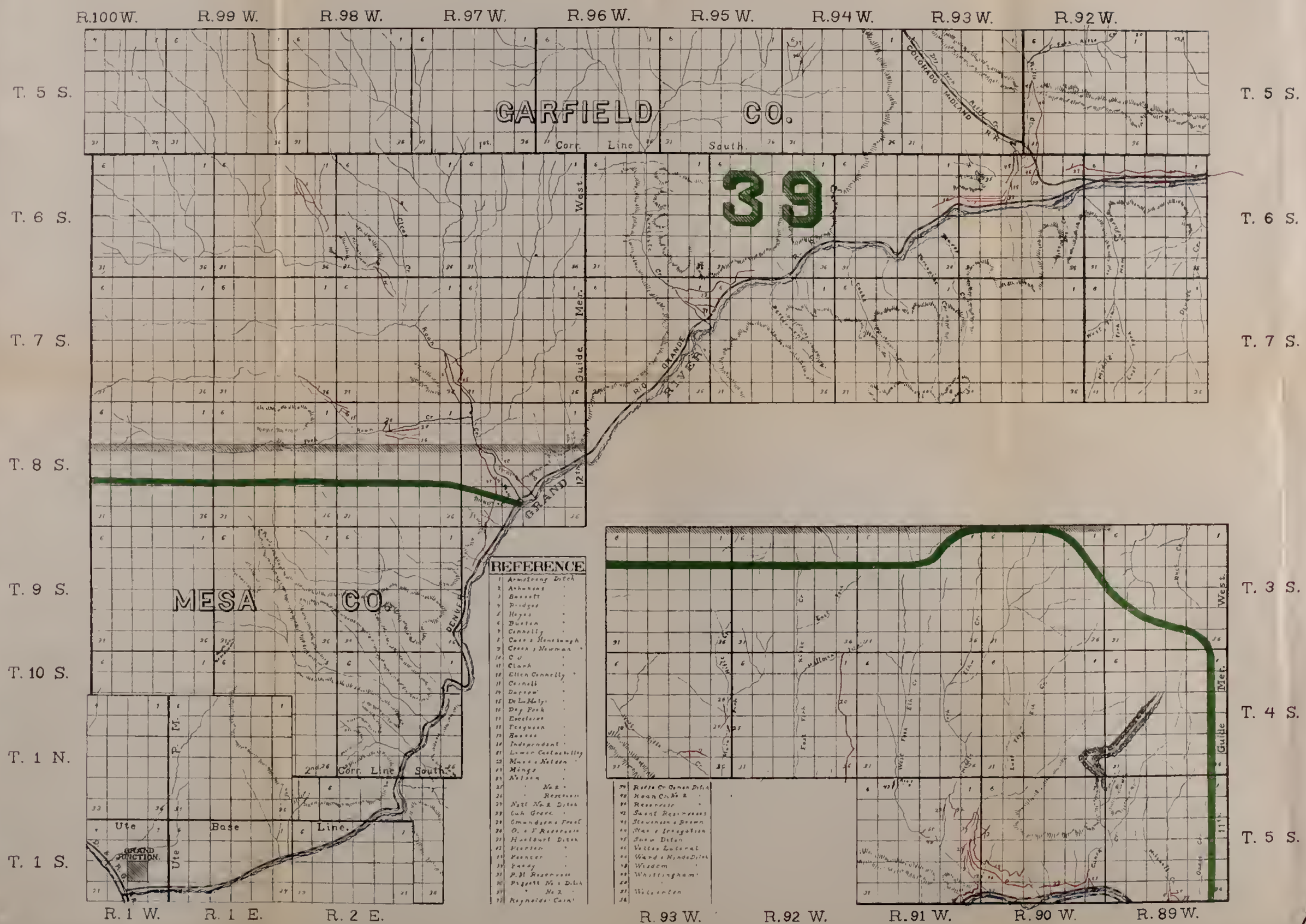
PLAT OF

IRRIGATED PORTION OF WATER DISTRICT No. 39.

GRAND RIVER DIVISION (No. 5.)

STATE OF COLORADO.

ISSUED FROM THE STATE ENGINEER'S OFFICE NOVEMBER 30th. 1890.



PLAT OF

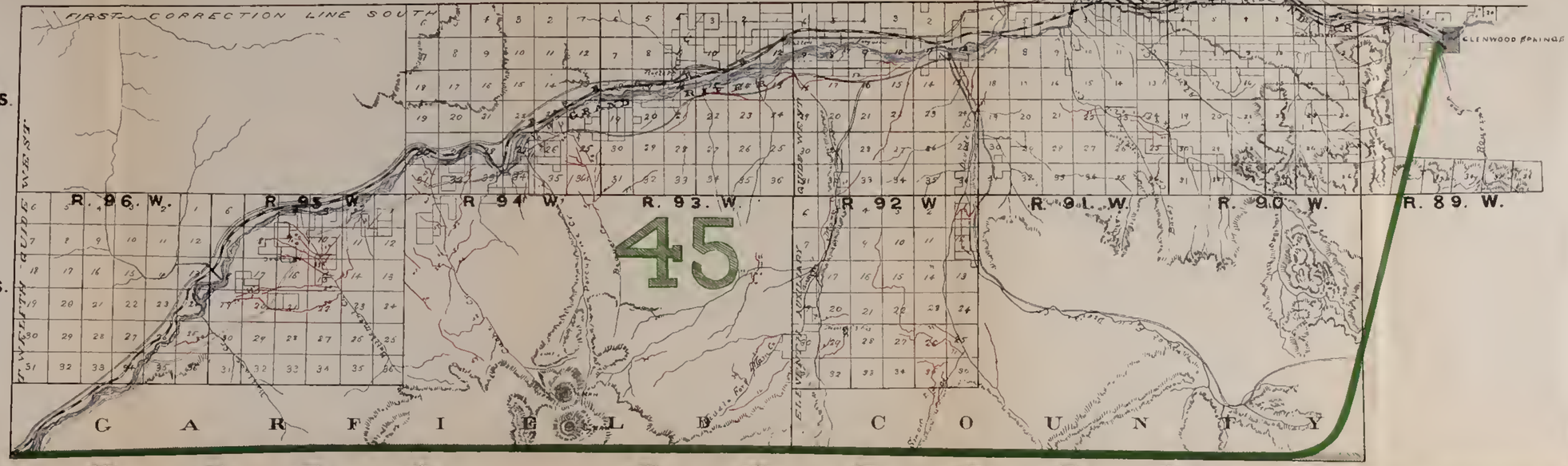
IRRIGATED PORTION OF WATER DISTRICT No. 45

GRAND RIVER DIVISION No. 5.

STATE OF COLORADO

ISSUED FROM THE STATE ENGINEER'S OFFICE NOV. 30TH 1890

Prepared from the Report of Water Commissioner James Tolmadge



REFERENCE

1	The Mamm & Mc Ditch
2	Wm Grant
3	Moore
4	East Divide Grant
5	Wm H Reynolds
6	Clausen & Hughes
7	Camp Bird
8	Clausen
9	Little Mamm
10	Dow
11	Mueller
12	Clear Creek
13	Missing Link
14	Mamm Creek
15	Sharp
16	Nichols
17	Ward & Reynolds
18	Hunter & Grant
19	Duggan
20	Houlton & Banta
21	Battlement
22	Harding & Sewell
23	Huntley
24	Taughenbaugh
25	Holmes
26	Tallmadge & Gibbs
27	J A Clark
28	Homestake
29	Porter
30	Upper Mamm Creek
31	Emmanuel Grant
32	West Divide Creek
33	Hudson & Sullivan
34	R. F.
35	Teepe
36	O'Brien Feeder
37	[illegible]
38	Canary Bird
39	Stalding

REFERENCE

40	The Spring Creek Ditch
41	Cottonwood Ditch
42	Ward Dow & Taylor
43	Mooring Bird
44	Young Moore & O'Connor
45	Jay Bird
46	Hewitt & Milburn
47	Smith
48	Smith & Hive
49	Anderson
50	Muscanelling
51	Humming Bird
52	East Chance
53	Shutt
54	Cedar Grove
55	Hall
56	R. & A. G. Anderson
57	Martin & Kennedy
58	O'Brien & Baumgartner
59	Cottonwood Feeder
60	Mc Donald
61	Reppler
62	Goodenough
63	Blue Bird
64	Beaver Creek
65	Mountain Sheep
66	Nono
67	Bernudy
68	West
69	Cedar Ridge
70	Clarkson
71	Dorado Creek
72	Professor Waite
73	Professor No 1
74	Professor No 2
75	Ward Extension
76	[illegible]
77	Mesa
78	Kennedy

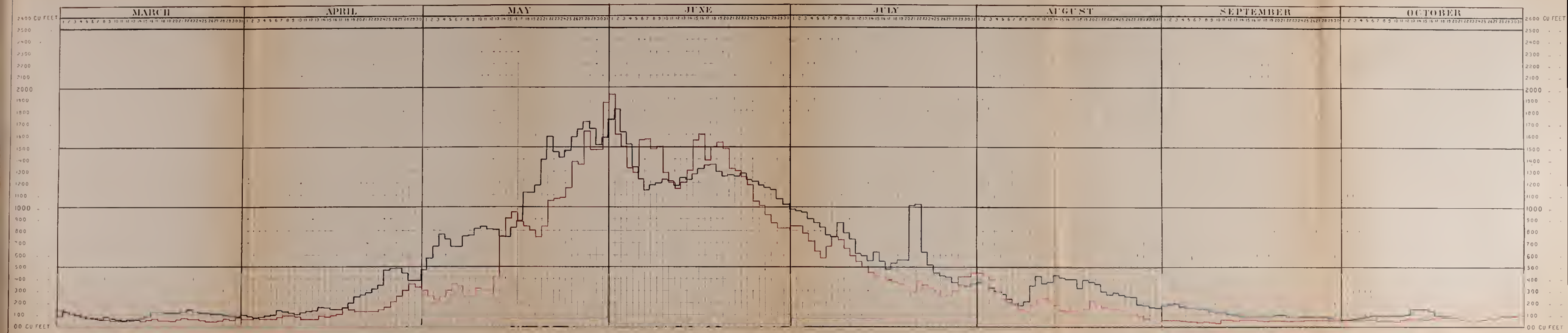
GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

CACHE LA POUDRE RIVER

STATE OF COLORADO

For Seasons of 1889-1890



GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

THE ARKANSAS RIVER.

STATE OF COLORADO.

For Seasons of 1889 1890

Gauging Station No. 2

Established on Arkansas River at Canon City, Aug. 8th 1889

GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, through cañon of

SOUTH PLATTE RIVER

STATE OF COLORADO.

For the Seasons of 1889-1890

Gauging Station No 23

Established on South Platte River July 12th 1887.

GRAPHICAL PRESENTATION

of the daily mean discharge in cubic feet per second, passing Denver of

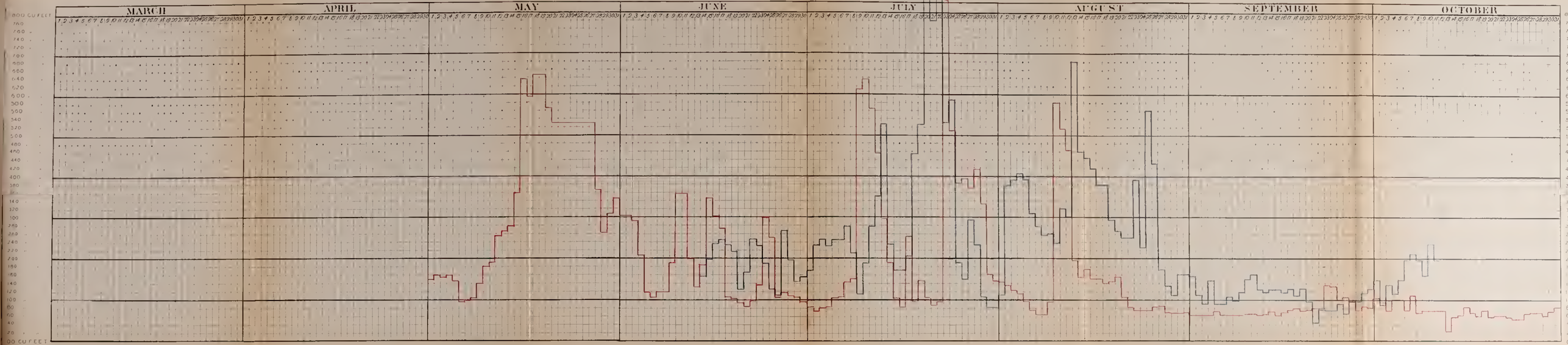
SOUTH PLATTE RIVER

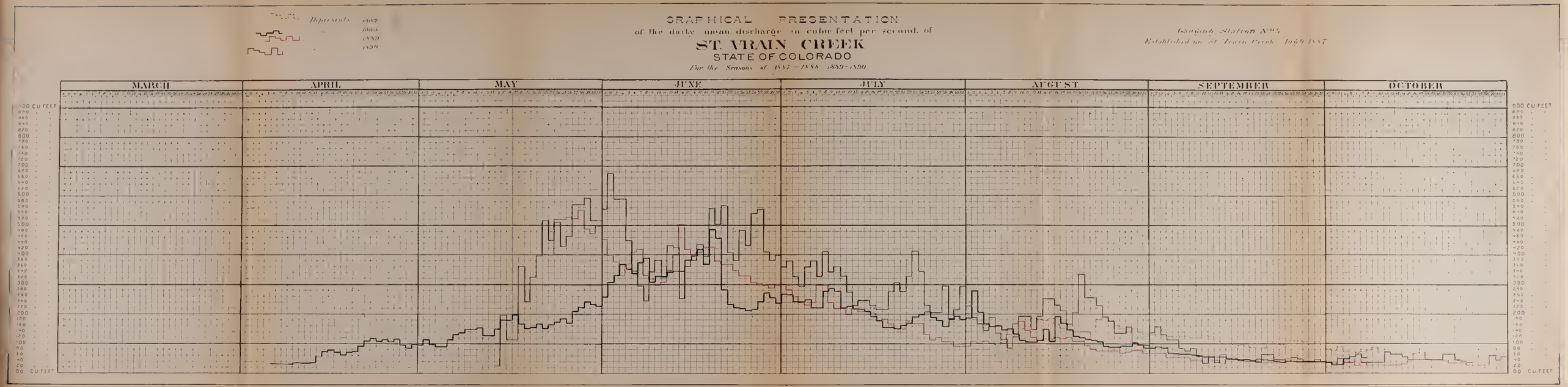
STATE OF COLORADO.

For the Seasons of 1889-1890

Gauging Station No. 93 B.

Established on South Platte River May 1st 1889.




Represents 1887
" 1888
" 1889
" 1890
GRAPHICAL PRESENTATION
of the daily mean discharge in cubic feet per second, of
ST. VRAIN CREEK
STATE OF COLORADO
For the Seasons of 1887–1888 1889–1890
Gauging Station No. 3
Established on St. Vrain Creek July 9 1887
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
900 CU FEET
00 CU FEET

GRAPHICAL PRESENTATION

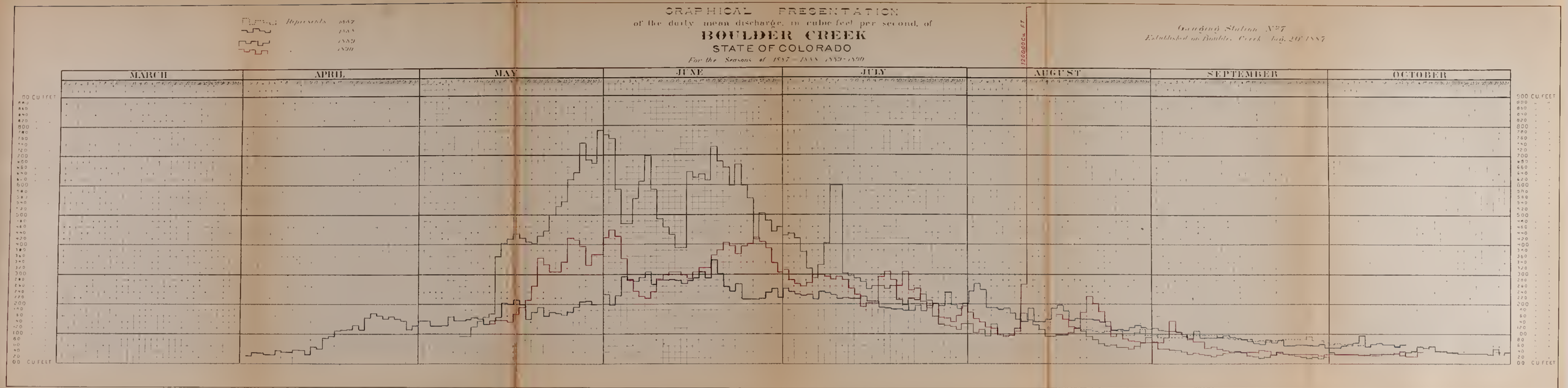
of the daily mean discharge, in cubic feet per second, of

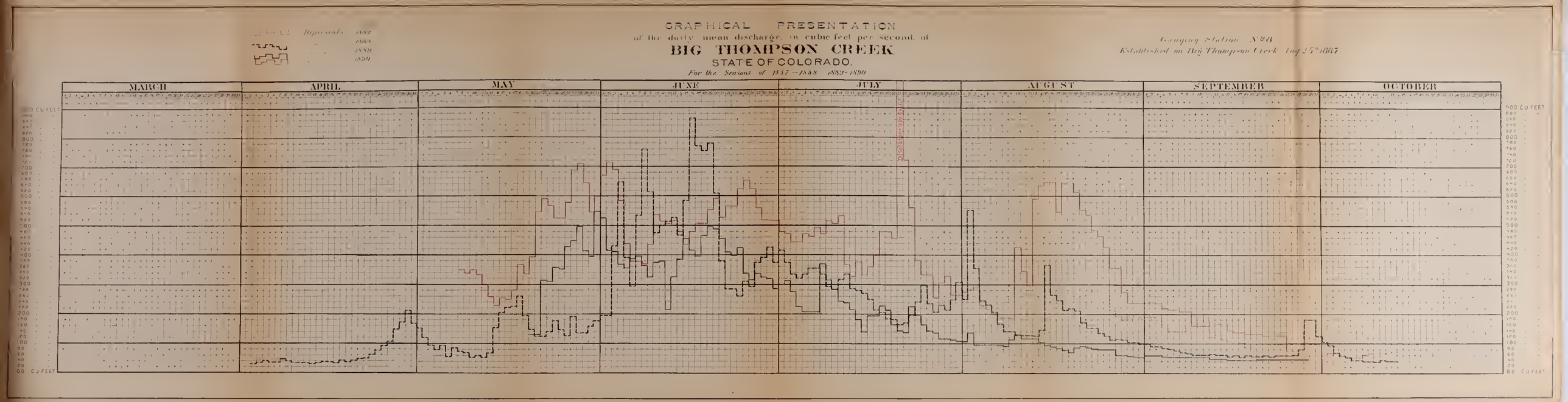
BEAR CREEK,

STATE OF COLORADO.

For the Seasons of 1887–1888 1889–1890

Gauging Station No. 6
Established on Bear Creek Aug. 17th 1887


GRAPHICAL PRESENTATION
of the daily mean discharge, in cubic feet per second, of
BOULDER CREEK
STATE OF COLORADO
For the Seasons of 1887–1888, 1889–1890
Figures Represents 1887
1888
1889
1890
Gauging Station No 7
Established on Boulder Creek Aug. 20 1887
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
900 CU FEET
00 CU FEET


GRAPHICAL PRESENTATION
of the daily mean discharge, in cubic feet per second, of
BIG THOMPSON CREEK
STATE OF COLORADO.
For the Seasons of 1887—1888 1889-1890
Represents 1887
1888
1889
1890
Gauging Station No 28
Established on Big Thompson Creek Aug 24th 1887
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
900 CU FEET
00 CU FEET

Represents 1888
" 1889
" 1890

GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

SOUTH BOULDER CREEK

STATE OF COLORADO.

For the Seasons of 1888 1889-1890

Gauging Station No. 9
Established on South Boulder Creek, Apl. 6th 1888

GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

THE RIO GRANDE DEL NORTE

STATE OF COLORADO.

For the Seasons of — 1889–1890

Represents 1890

Gauging Station Established at Del Norte

GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

THE UNCOMPAHGRE RIVER

STATE OF COLORADO

For the Seasons of 1890

Gauging Station No 1
Established June 27th 1890