This has reference to the 1956 distribution of water on Burnt Fork Creek.

June 22, 1956, Mr. Norseth, Mr. Gradiert, and Mr. Stall met with the water users on Burnt Fork Creek to set the ditches in accordance with the temporary schedule. Those attending the meeting included the following:

Louis Stall	Harry Katzmeyer
Emil C. Gradiert	Lawrence Beck
Donald C. Norseth	Alton Beck
Earl Gamble	I. R. Beck
Robert Gamble	Birnell Olsen
	Claude Sadlier

A measurement of Burnt Fork Creek and the following ditches was made:

June 22, 1956;

Burnt Fork below interstate diversion point	29.999 Sec. Ft.
Ike Canal - Flume	9.493 Sec. Ft.
Upper Gamble Ditch - Flume	5.742 Sec. Ft.
Interstate Canal - Flume	14.086 Sec. Ft.
~~Higbline~~ Highline Canal (C.B.F. 1.093 sec ft)	6.789 Sec. Ft.
Indian Springs Ditch	4.696 Sec.Ft.

June 23, 1956:

Ike Spring Ditch above Interstate Canal	3.862 Sec. Ft.
Baldy Springs	0.918 Sec. Ft.
Wyman Ditch	3.510 Sec. Ft.
~~Total~~ Total Flow Burnt Fork	45.085 Sec. Ft.
Utah Diversions	33.915 Sec. Ft.
Left to satisfy Wyoming rights	11.170 Sec. Ft.

Interstate Canal Company represented by Harry Katzmeyer maintained their ~~ditch~~ canal contained storage water from Island Lake Reservoir.

All ditches measured did not contain enough water to fulfill the rights set forth in the tentative agreement and the water users would not cooperate in

9-192-a July 1937

Daily Gage Height, in Feet, and Discharge, in Second-Feet, of Burnt Fork ~~River~~ ~~Creek~~

Near Burntfork, Wyo. for the Year Ending September 30, 1956

Drainage Area 52.8 Square Miles. Water-Stage Recorder Stevens - A-35 Ratio 1 : 6

Max. G H Some ft. at ... on ... (G. H. 6.51 ft.). Min. G H ... ft. on ... (G. H. ... ft.). Sec-ft. on ... Sec-ft. at 12:30 a.m. June 5 (G. H. 6.51 ft.). Max. Disch. 198 Min. Disch. ...

Discharge for periods of no gage-height record Oct. 1-13, Oct. 27 to May 4, June 4, June 6 estimated on basis of 5 discharge measurements, range in stage, weather records, and records for nearby stations. Discharge for period of backwater from beaver dam Sept. 26-30 computed on basis of typical recession and records for nearby stations. f-fragmentary

Day	October		November		December		January		February		March	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1		14		5.2		5.3		5.2		4.0		4.3
2		12		5.2		5.0		5.2		4.5		4.7
3		12		5.2		4.8		5.2		4.7		5.0
4		10		5.2		4.7		5.2		4.8		5.0
5		10		5.2		4.5		5.2		5.0		5.0
6		9.0		5.2		5.0		6.4		5.0		4.7
7		9.0		5.2		5.2		6.4		5.0		4.5
8		8.0	117 08	5.2		5.0		6.4		5.0		6.0
9		8.0		5.2		5.6	118 26	6.4		5.0		6.0
10		7.0		5.2		5.6		6.4		5.0		6.0
11		7.0		5.2		5.6		5.2		5.6		5.0
12	116 03	7.0		5.2		5.6		5.6		6.0		4.5
13		7.0		5.0		5.6		6.0		6.0		4.5
14	4.81	7.0		4.5		5.3		6.2		5.4		4.5
15	4.81	7.0		5.0		5.0		6.6		5.0		4.5
16	4.81	7.0		5.4		5.4		6.6		5.0		5.0
17	4.80	6.8		5.6		5.8		6.6		5.0		5.0
18	4.80	6.8		5.6		5.8		6.6		5.0		5.0
19	4.79	6.5		5.6		5.8		6.6		4.6		5.0
20	4.81	7.0		5.6		5.8		6.6		4.5		5.0
21	4.83	7.5		5.6		5.8		6.2		4.7		6.0
22	4.82	7.2		5.6		7.0		6.2		4.7		7.0
23	4.81	7.0		5.4		8.0		6.2		4.7		7.0
24	4.77	6.0		5.2		9.0		6.2		4.7		7.0
25	4.78	6.2		5.0		8.0		6.2		4.7		7.0
26	4.78 03	6.2		5.4		6.0		6.2		4.7		6.3
27		5.8		5.4		5.6		6.2		4.7		7.0
28		5.8		5.4		5.0		6.0		4.7		7.8
29		5.6		5.4		4.7		5.6		4.7		7.8
30		5.4		5.4		5.0		5.2				7.8
31		5.2				5.3		5.0				7.8
7611.0	Total	236		158.5		175.8		185.8		142.4		177.9
20.6	Mean	7.61		5.28		5.67		5.99		4.91		5.74
	Second-feet per square mile	Peak discharge (base 100 cfs). --June 5 (12:30 am) 198 cfs (6.51 ft) (0)										
	Run-off in inches	May 26 (1:00 am) 158 cfs (6.36 ft) (06).										
15,090.	Run-off in acre-feet	468		314		349.		369		282		353
.162	Maximum	14		5.6		9.0		6.6		6.0		7.8
3.5	Minimum	5.2		4.5		4.5		5.0		4.0		4.5

Calendar Year 1955

U. S. GOVERNMENT PRIN

Burnt Fork-Burntfork

UNITED STATES
DEPARTMENT OF THE INTERIOR 1956
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

File Number { Washington ..... / District .....

Used rating table dated 3-5-54

Gage Read to ..... Once / Twice a Day by .....

Gage heights used to ~~half tenths between ..... and ..... feet;~~ hundredths ~~below and tenths above these limits.~~

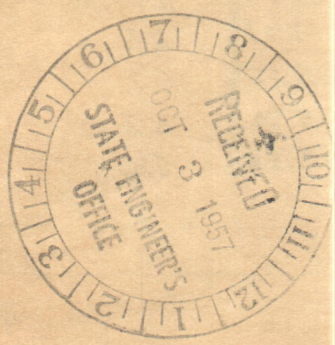
Day	April Gage height	April Discharge	May Gage height	May Discharge	June Gage height	June Discharge	July Gage height	July Discharge	August Gage height	August Discharge	September Gage height	September Discharge
1		7.8		17	6.26 -02	147	5.59 -05	53	5.27 0	29	4.88 +02	10
2		7.8		17	6.25 -01	147	5.61 -06	54	5.28	30	4.87 +01	9.5
3		7.8	119	17	6.20 0	140	5.56 -07	47	5.27	29	4.85 0	8.8
4		7.8		20 -03	6.27 0	153	5.51 -08	42	5.28	30	4.85 0	8.8
5		7.8	5.14 +03	22	[illegible]	135	5.47 -09	37	5.25	28	4.84 0	8.5
6		7.8	5.20 +02	25	121 +01	115	5.46 -09	37	5.17 0	22	4.84 -01	8.2
7		7.8	5.24 +02	28	5.95 +01	100	5.44 -10	34	5.12 +01	20	4.84 -01	8.2
8		7.8	5.30 +01	32	5.93	98	5.44	34	5.09	19	4.90 -02	9.5
9		7.8	5.35 0	35	6.01 +01	109	5.43	33	5.12	20	4.92	10
10		7.8	5.35	35	5.99 +02	108	123 5.44	34	5.13	21	4.95	11
11		7.8	5.27	29	5.96 +02	103	5.45 -10	35	5.15	22	4.95	11
12		7.8	5.17	22	5.94 +03	102	5.52 -10	41	5.10	20	4.92	10
13		7.8	5.06	17	5.90 +03	96	5.57 -09	46	5.16	22	125 4.86 -02	8.5
14		7.8	4.95	12	122 5.86 +03	91	5.49 -08	40	5.17	23	4.81	7.2
15		7.8	5.00	14	5.87 +02	91	5.47 -07	39	5.16	22	4.80	7.0
16		10	5.13 0	20	5.93 +01	98	5.44 -06	37	5.12	20	4.79	6.8
17		10	5.36 -01	35	5.80 +01	81	5.42 -05	37	5.14	22	4.79	6.8
18		10	5.58 -02	55	5.72 0	71	5.38 -04	34	5.10	20	4.79	6.8
19		10	5.87 -03	85	5.71	70	5.33 -03	31	5.12	20	4.78	6.5
20		10	5.90 -03	88	5.67	66	5.10 -02	18	5.13 +01	21	4.77	6.2
21		12	5.80 -04	76	5.63 0	61	5.05 -01	16	5.08 +02	19	4.77	6.2
22		12	5.90 -05	86	5.58 -01	56	5.08 0	18	5.05	18	4.77	6.2
23		12	6.13 -05	119	5.59 -01	57	5.11	20	5.03	16	4.77	6.2
24		12	6.17 -06	124	5.69 -02	66	5.10	19	5.04 +02	17	4.77	6.2
25		12	120 6.23 -06	135	5.65 -02	61	5.19	21	5.02 +03	16	4.78 -02	6.5
26		15	6.24 -06	136	5.63 -03	58	5.16	22	5.01	16	4.82	6.4
27		15	6.04 -05	105	5.65 -03	60	5.12	20	4.98	14	4.97	6.3
28		15	6.00 -04	100	5.63 -03	58	5.18	23	4.96	14	5.15	6.2
29		15	5.89 -04	86	5.60 -04	55	5.20	24	121 4.96 +03	14	5.30	6.2
30		15	5.84 -03	81	5.58 -05	52	5.23	26	4.90 +03	11	5.38	6.2
31			6.04 -03	108			5.25 0	28	4.88 +02	10		
		302.0		1,781		2,705		1000		625		231.9
		10.1		57.5		90.2		32.3		20.2		7.73
		599		3530		5,370		1,980		1240		460
		15		136		153		54		30		11
		7.8		12		52		16		10		6.2

Day	Year 1955-1956	7,721.3
		21.1
		15,310
		153
		4.0

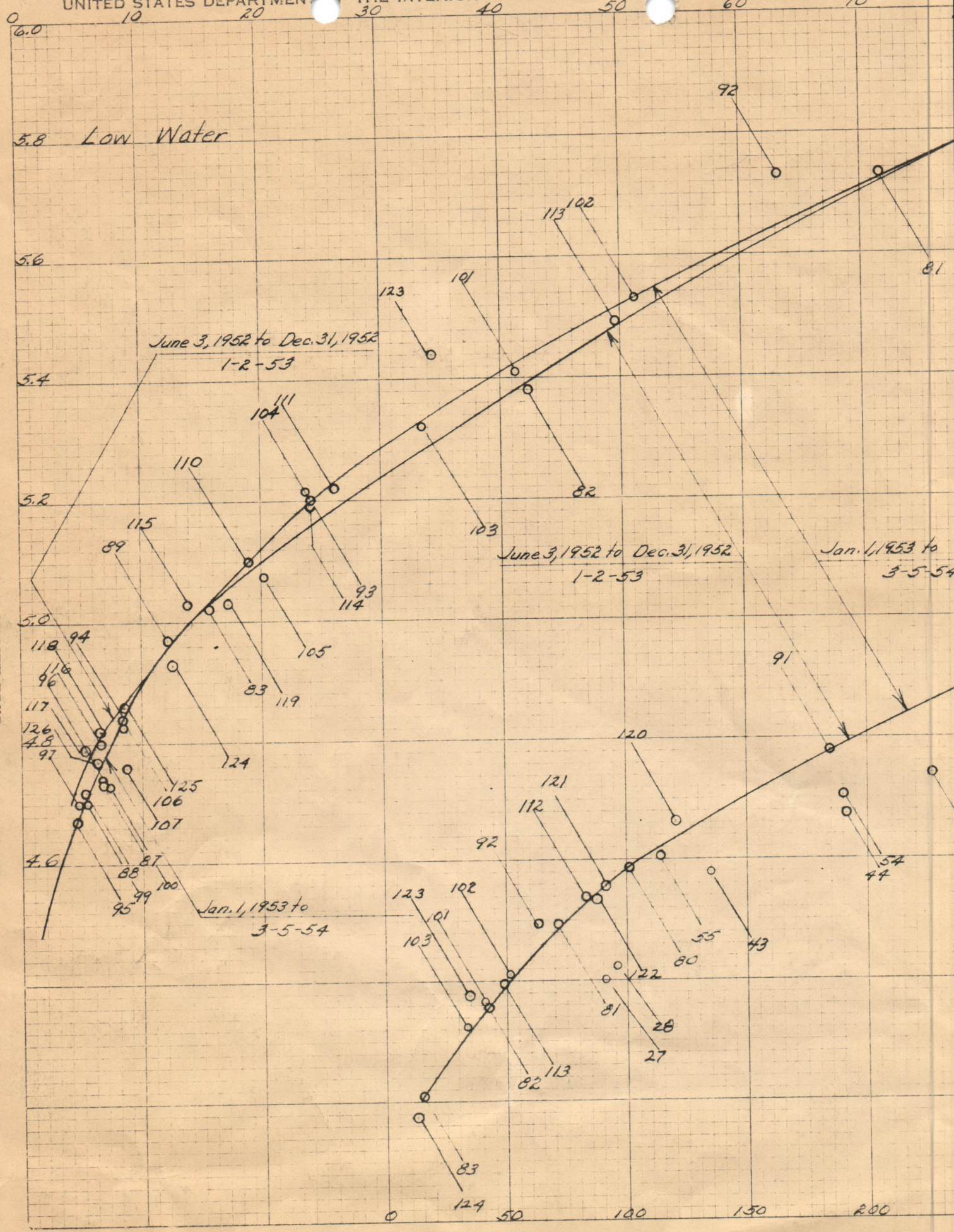
Quarter: First / Second / Third / Fourth
Computed — Checked — Date
Disch. applied — Disch. checked — Date
G. H. copied — G. H. checked — Date

Period

OFFICE 16-65518-1

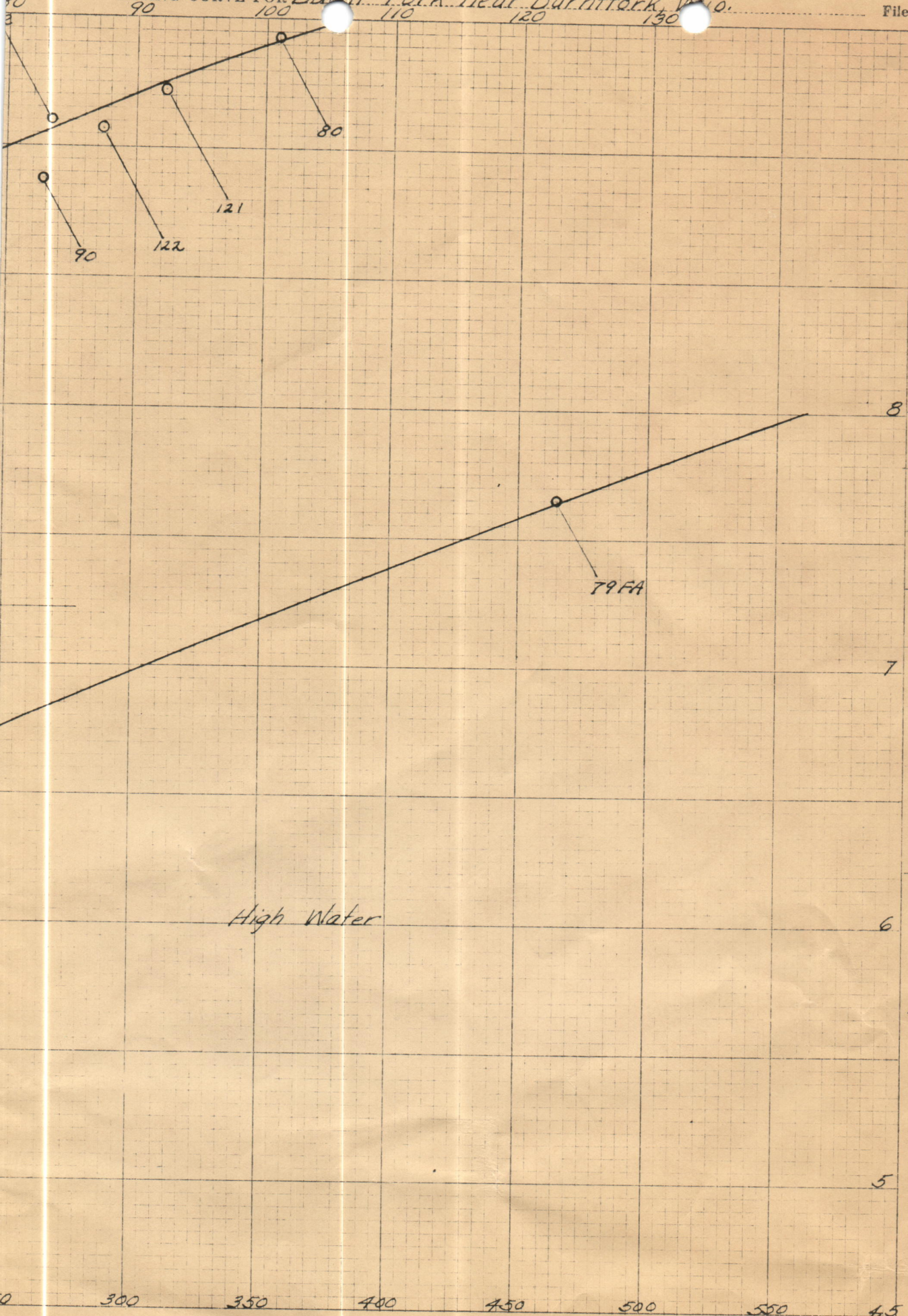

RECEIVED
OCT 3 1957
STATE ENGINEER'S
OFFICE

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY (WATER RESOURCES BRANCH)



RATING CURVE FOR Burnt Fork near Burntfork, Wyo.

File No. { Washington / Field



Year,	1947	1949	1950	1952	1953	1954	1955	1956	1957
Meas. Nos.,	26-28	43 44	54, 55	79 FA - 82	83 - 94	95 - 105	106 - 115	116 - 125	126
Max. G. H.,		8.07	4.61	8.13	7.55	6.17	6.51		
Min. G. H.,									
Plotted by							C.B.H.		
Checked by									

Curve approved by:

Office Engineer.

District Engineer.

Date 5-26-54

U. S. GOVERNMENT PRINTING OFFICE 0-2237

9-210

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

File No. { Washington ____ Field ____

Rating table for Burnt Fork near Burntfork, Wyo.

, from Jan. 1, 1953, to , 19

Gauge height	Discharge	Difference	Gauge height	Discharge	Difference	Gauge height	Discharge	Difference	Gauge height	Discharge	Difference	Gauge height	Discharge	Difference
Feet	Sec.-ft.	Sec.-ft.	Feet	Sec.-ft.	Sec.-ft.	Feet	Sec.-ft.	Sec.-ft.	Feet	Sec.-ft.	Sec.-ft.	Feet	Sec.-ft.	Sec.-ft.
4.00			6.00	106	16	8.00	560	30	.00			.00		
.10			.10	122	18	.10	590	30	.10			.10		
.20			.20	140	18	.20	620		.20			.20		
.30			.30	158	18	.30			.30			.30		
.40			.40	176	20	.40			.40			.40		
.50	1.5	1.7	.50	196	20	.50			.50			.50		
.60	3.2	1.8	.60	216	22	.60			.60			.60		
.70	5.0	2.5	.70	238	22	.70			.70			.70		
.80	7.5	2.5	.80	260	23	.80			.80			.80		
.90	10	4	.90	283	23	.90			.90			.90		
5.00	14	5	7.00	306	24	.00			.00			.00		
.10	19	5	.10	330	25	.10			.10			.10		
.20	24	7	.20	355	25	.20			.20			.20		
.30	31	8	.30	380	25	.30			.30			.30		
.40	39	9	.40	405	25	.40			.40			.40		
.50	48	10	.50	430	25	.50			.50			.50		
.60	58	11	.60	455	25	.60			.60			.60		
.70	69	11	.70	480	25	.70			.70			.70		
.80	80	12	.80	505	25	.80			.80			.80		
.90	92	14	.90	530	30	.90			.90			.90		

The above table is not applicable for ice or obstructed channel conditions. It is based on 10 discharge measurements made ~~during~~ after ice effect during 1953 (Nos. 87-96), and shape of previous curve

and is fairly well defined between 4 second-feet and 500 second-feet.

Above stage of 5.8 ft this table is the same as that dated 1-2-53.

Extended below 4.6 ft 1-7-55

Computed by JWB

Checked by [illegible]

Date 3-5-54

March, 1915

U. S. GOVERNMENT PRINTING OFFICE 6—7347