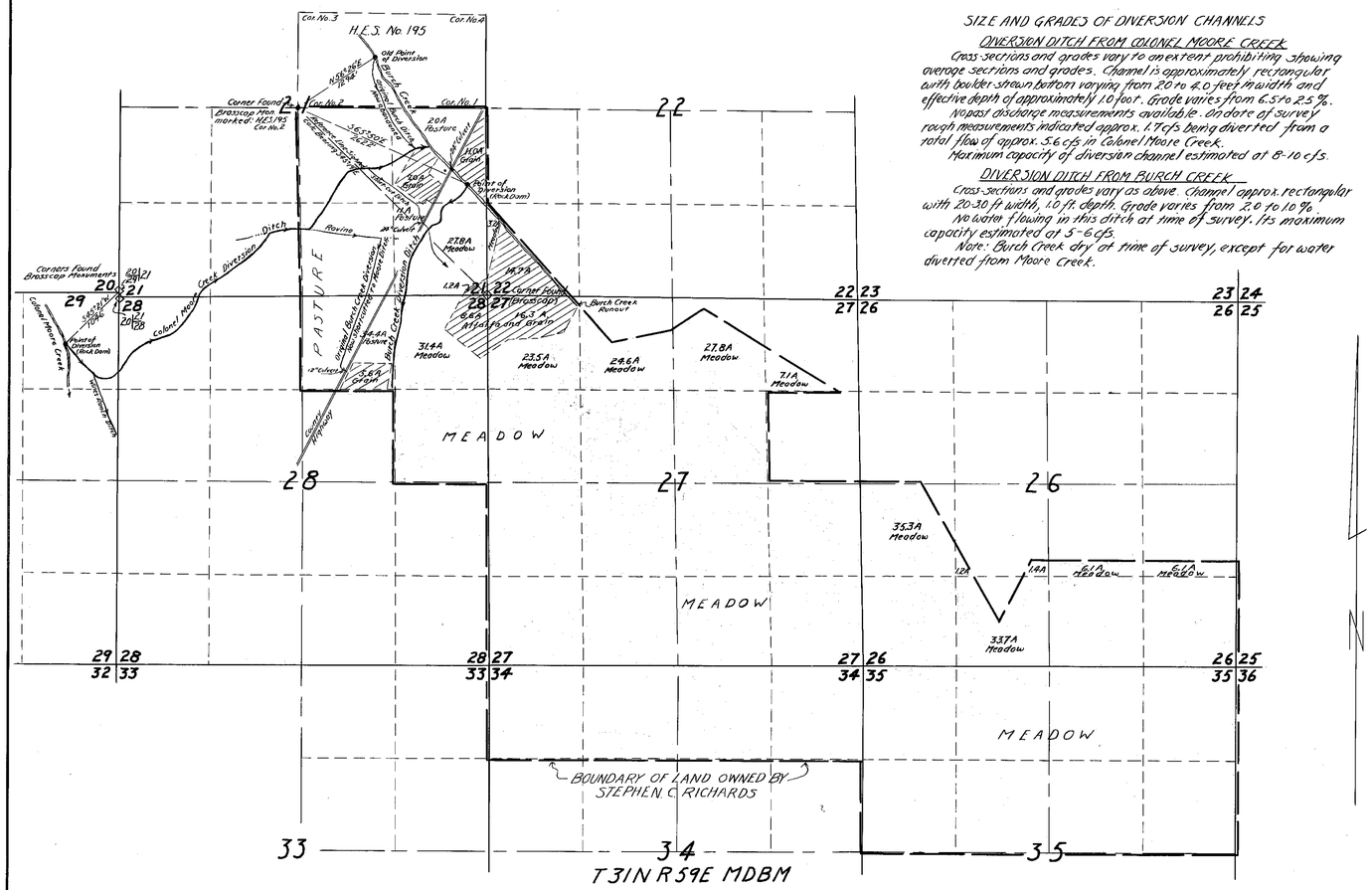


SIZE AND GRADES OF DIVERSION CHANNELS

DIVERSION DITCH FROM COLONEL MOORE CREEK

Cross-sections and grades vary to an extent prohibiting showing average sections and grades. Channel is approximately rectangular with boulder-strewn bottom varying from 20 to 40 feet in width and effective depth of approximately 1.0 foot. Grade varies from 6.5% to 25%.

No past discharge measurements available. On date of survey rough measurements indicated approx. 1.7 cfs being diverted from a total flow of approx. 5.6 cfs in Colonel Moore Creek.

Maximum capacity of diversion channel estimated at 8-10 cfs.

DIVERSION DITCH FROM BURCH CREEK

Cross-sections and grades vary as above. Channel approx. rectangular with 20-30 ft width, 1.0 ft. depth. Grade varies from 2.0 to 10%

No water flowing in this ditch at time of survey. Its maximum capacity estimated at 5-6 cfs.

Note: Burch Creek dry at time of survey, except for water diverted from Moore Creek.

SECTION	SUB-DIVISION	TOWNSHIP	RANGE	CULTIVATED ACREAGE	DESCRIPTION OF CULTURE	DATE OF FIRST CULTURE
21	NE¼ SE¼	31N	59E	18.0	Grain	
"	SE¼ SE¼	"	"	27.8	Meadow	
"	" "	"	"	1.2	Alfalfa and Grain	
22	SW¼ SW¼	"	"	14.7	"	
"	" "	"	"	3.2	Meadow	
26	S½ SE¼	"	"	80.0	"	
"	NW¼ SE¼	"	"	6.1	"	
"	NE¼ SE¼	"	"	6.1	"	
"	SW¼ SW¼	"	"	40.0	"	
"	SE¼ SW¼	"	"	33.7	"	
"	NW¼ SW¼	"	"	35.3	"	
"	NE¼ SW¼	"	"	2.6	"	
~~"~~	~~SW¼ NW¼~~	~~"~~	~~"~~	~~12.8~~	~~"~~	
27	S½	"	"	320.0	"	
~~"~~	~~SE¼ NE¼~~	~~"~~	~~"~~	~~39.3~~	~~"~~	
"	SW¼ NE¼	"	"	40.0	"	
"	NW¼ NE¼	"	"	27.8	"	
"	NE¼ NE¼	"	"	7.1	"	
"	S½ NW¼	"	"	80.0	"	
"	NE¼ NW¼	"	"	24.6	"	
"	NW¼ NW¼	"	"	23.5	"	
"	" "	"	"	16.3	Alfalfa and Grain	
28	NW¼ NE¼	"	"	5.6	Grain	
"	SE¼ NE¼	"	"	40.0	Meadow	
"	NE¼ NE¼	"	"	31.4	"	
"	" "	"	"	8.6	Alfalfa and Grain	
34	N½ N½	"	"	160.0	Meadow	
35	N½	"	"	320.0	Meadow	

Total Cultivated	1373.6
Pasture	803.8
Total Cultivated and Pasture	2177.4

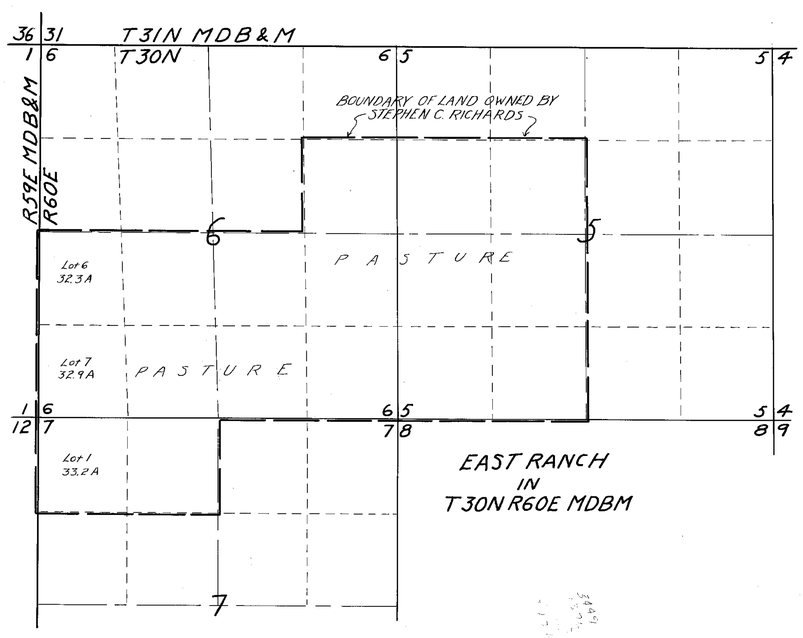
STATE OF NEVADA
COUNTY OF ELKO } S.S.

I, J.N. Littlefield, being first duly sworn, depose and say that this map, consisting of one sheet, has been correctly drawn to the designated scale from field notes of a survey made by me on the 5th and 11th days of August, 1955 and from title abstract data re ownership; that it truly and correctly represents the location and extent of the works used to divert water from Burch Creek and Colonel Moore Creek, in Elko County, by Stephen C. Richards for irrigation purposes; that all other works or streams which are crossed by or connected with said works are shown; that the boundary, area, and kind of culture of grain and alfalfa lands irrigated are correctly shown and designated hereon. Use of lands for meadow and pasture are shown in accordance with statement of operator.

J. N. Littlefield
STATE WATER RIGHT SURVEYOR

Subscribed and sworn to before me this 10th day of September 1955.

Ette Faber
NOTARY PUBLIC IN AND FOR
ELKO COUNTY, NEVADA



EAST RANCH
IN
T30N R60E MDBM

LEGEND

|||||||| Crosshatched - Grain or Alfalfa
Shaded - Meadow
Blank - Non-irrigated Pasture

All the Sections 40 acres except where noted.

SCALE 1" = 1000'

OFFICE STATE ENGINEER
1955 OCT 28 AM 9 40

OFFICE STATE ENGINEER
1955 SEP 12 AM 11 34

MAP TO ACCOMPANY
PROOF OF APPROPRIATION
FOR
IRRIGATION
BY
STEPHEN C. RICHARDS
FROM
BURCH AND COLONEL MOORE CREEKS

02406-02407