

STATE OF NEVADA

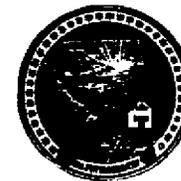
BIENNIAL REPORT

OF THE

STATE ENGINEER

1907-1908

FRANK R. NICHOLAS
State Engineer of Nevada



CARSON CITY, NEVADA
STATE PRINTING OFFICE, : : : J. G. MCCARTHY, SUPERINTENDENT
1909



LETTER OF TRANSMITTAL.

CARSON CITY, NEVADA, December 31, 1908.

To the HONORABLE D. S. DICKERSON, Governor.

SIR: As provided for in Section 8, Chapter IV, Statutes of 1903, I have the honor to submit herewith a report of the work of this department during the past two years, together with such recommendations as I believe would increase the efficiency of the irrigation laws of the State and improve the administration thereof.

Very respectfully yours,

FRANK R. NICHOLAS,
State Engineer.

PROPERTY OF
NEVADA STATE ENGINEER

ACKNOWLEDGMENTS.

Special acknowledgments and thanks are due the following persons and organizations who have materially assisted in the work of this office:

To the Honorable, the Governor, D. S. Dickerson, and the State Board of Irrigation for advice and encouragement; to the Honorable, the Attorney-General, R. C. Stoddard for legal advice and opinions rendered this office; to Mr. Thos. R. Means, Project Engineer of the United States Reclamation Service, and his assistants in furthering the work of this office and securing proofs of appropriation from the water users along the Lower Carson River.

We wish to acknowledge the promptness and excellence of the work done under the direction of State Printer J. G. McCarthy and his assistant, Will U. Mackey.

REPORT OF THE STATE ENGINEER.

The passage of the Irrigation Law of 1903, by which the office of State Engineer was created, was due to the existing conditions governing the appropriation and distribution of water rights in the State of Nevada. There had grown up in this State prior to 1903 a mass of water rights which were inchoate and undetermined, arising from what might be termed an extension of "squatter sovereignty," whereby appropriators simply avail themselves of the use of the public waters by appropriating them and constructing ditches for their diversion, often failing to record the required notices in the county in which the appropriation was made or to make public in any way their intentions, save by the actual fact of construction.

These appropriations being carried on in good faith, the Courts have always been disposed to protect, and to a certain extent these doubtful possessory rights relating to the five principal rivers of the State and the ditches tributary thereto have become fixed and vested, and the Courts have so decreed.

The advent of proposed United States reclamation projects in the State, the principal of which is now the Carson-Truckee Project, necessitated the passage of a law which would tend to cooperate with the Secretary of the Interior in the construction, operation, management and maintenance of irrigation works in the State of Nevada, and it was to the interest of this State that every inducement should be extended to the Secretary of the Interior by cooperative and helpful State legislation.

It was essential that the Secretary of the Interior, before proceeding in the actual construction of any project on the rivers of Nevada, should be informed as to the extent of the present actual appropriation and beneficial use of water by existing communities, in order that he might be informed as to what quantity of water would be sufficient and necessary to fully supply existing uses, and what quantity of water would be available for the supply of lands proposed to be reclaimed. It was seen, however, that such free and easy methods upon the part of the appropriators under irrigation laws prior to 1903 were bringing about a chaotic state of affairs in the legal aspect of water rights, resulting in unending litigation and hardships upon the ranchers and settlers themselves, involving rights in such long drawn out legal battles as would leave the appropriators of small means at the mercy of those who had funds to appeal from one court to another, until their opponents should be exhausted in the struggle.

It was evident that some less expensive and cumbersome way of determining the priorities of water rights must be devised in order to give adequate protection to the appropriator of limited means. In

1903, therefore, the State Legislature passed a general law, approved February 16, 1903, covering all future appropriations of public water, whether for irrigation or other purposes, and providing that all water rights initiated in future should be secured by compliance with its terms. After careful, painstaking and conscientious research, Hon. Albert E. Chandler, State Engineer 1903-1905, coöperating with Hon. Francis G. Newlands, United States Senator, compiled the essential features of the present irrigation law, which embodies the most modern legal principles and methods obtaining in the Western States, and which are particularly applicable to arid conditions of the greater portion of this State.

The administration of this law was placed in the hands of the State Engineer, who established and determined, within a period of two years, the priorities of vested rights to the waters of the East Fork and branches, the West Fork and branches, and the main Carson River, comprising a total cultivated area of 27,922 acres on which water has been applied to a beneficial use. The priorities of three hundred and fifty-nine water users along these streams have thus been determined and established of record, and their rights thereto as securely fixed as their titles to the land.

It is gratifying to those interested in the welfare and development of the State, and particularly to water consumers, to know that not one dollar has been expended in litigation since such adjudication of water rights has been determined and established.

Acting in conjunction with the U. S. Geological Survey, the State Engineer established and maintained stream-gaging stations for the purpose of recording the flow and volume of the following rivers and their tributaries:

Truckee River Basin:

Donner Creek, at Donner Ice House, near Truckee, California.
Independence Creek, below Lake Independence, California.
Little Truckee River, near Boca, California.
Truckee River, below Tahoe, California.
Truckee River, at Mystic, California.
Truckee River, at Vista, Nevada.

Carson River Basin:

West Carson River, at Woodfords, California.
East Carson River, at Rodenbahs, Nevada.
Carson River, near Empire, Nevada.

Walker River Basin:

West Walker River, near Coleville, California.
East Walker River, near Yerington, Nevada.
Walker River, near Wabuska, Nevada.

Humboldt River Basin:

South Fork Humboldt, at Mason Ranch, Nevada.
North Fork Humboldt, near Elburz, Nevada.
Humboldt River, at Palisade, Nevada.
Humboldt River, at Golconda, Nevada.
Humboldt River, at Oreana, Nevada.

Muddy River Basin:

Muddy River, near Moapa, Nevada.

Besides the measurements made at regular steam-gaging stations, the office compiled all measurements on record for the streams and ditches of the State, in addition to those made in 1903 and 1904. This compilation covers a period of fifteen years and consists of over two hundred pages of typewritten manuscript and tables, too voluminous to be appended to this report. Special reference is hereby made to this compilation, which is on file in the office of the State Engineer.

In applying the provisions of this law with due regard to vested and contingent rights, new conditions arose necessitating modifications and amendments thereto, embodying many new and essential features. The three principal features involved in all the better irrigation codes are:

First—The control of all new appropriations by the State Engineer.

Second—A direct and inexpensive method for the determination of existing rights; and

Third—Provision for the equable division of the stream flow according to the priorities in time of water scarcity.

The law passed in Nevada possessed the two latter features, but the first was omitted, and new appropriations were governed by the original law of 1866, which provided that any person desiring to construct a ditch should file with the County Recorder of the county or counties in which the proposed ditch is to be located, a certificate, previously sworn to, specifying the name of the ditch and the location of the termini.

In this manner ditch filings were scattered throughout the counties of the State, such records being of very doubtful utility, as after the records had been found there was nothing to show whether or not the ditch had been constructed.

In 1905 the irrigation law (approved March 1, 1905) was amended and modified to the extent that every intending appropriator apply to the State Engineer for permission to make the diversion, the application to show the name and postoffice address of the applicant; the amount of capital stock if a corporation, and the name and addresses of the directors; the quantity of water claimed in cubic feet per second or fractional part thereof; the source of water supply; location of point of diversion; whether or not for irrigation or domestic use, and the number of acres to be irrigated. If for mining, manufacturing, power or transportation, the appropriator to state the purpose of use; the amount of power to be generated, and at what point; whether or not water is to be returned to stream, and if so to designate the point; estimated cost of works; description of works for diversion, whether reservoirs, dam, ditch, flume, pipes or otherwise; height and length of dam; material used in the construction thereof; capacity of reservoir in acre-feet; size of head-gate, width and height; average grade of ditch per mile, stating the legal subdivisions of land traversed by ditch.

Among other important amendments to the law of 1903 was a provision that

The maximum quantity of water which may be appropriated or used for irrigation purposes in the State of Nevada, should not exceed three acre-feet per year for each acre of land supplied.

This section was at that time unique in irrigation legislation, as it limited water rights to a definite volume and not to a definite flow for an indefinite period as prescribed in all other State limitations. Thus the State of Nevada was the first to adopt a standard unit of irrigation measurements, and this law has since been adopted by the majority of the Western States.

The Board of Irrigation, consisting of the Governor, the Surveyor-General, the Attorney-General and the State Engineer, was given additional power to appoint Water Commissioners and to make rules and regulations for the proper and economical administration of the waters of such streams, and to take summary action in case of disputes arising between water users and Water Commissioners.

In May, 1905, State Engineer Chandler resigned to accept a more lucrative position as Engineer of Land and Legal Matters in Field for the United States Reclamation Service, his successor being Mr. Henry Thurtell, appointed by Governor Sparks on May 1, 1905.

During the administration of Mr. Thurtell priorities to vested rights were established and determined in Muddy Valley, Lincoln County; and to the waters of the Muddy River, one hundred and twenty-one certificates were issued to consumers, the titles to water rights being satisfactorily settled and adjusted. In 1906 the area of cultivated lands in this locality comprised 4,000 acres of bottom lands, and it is without doubt the most valuable agricultural land in the entire State, producing semi-tropical fruits such as figs, almonds, peanuts, apricots, cotton, melons, corn, sweet potatoes, five to seven crops of alfalfa per year, and all kinds of vegetables and grains. It was indeed fortunate for the water users of this community that their rights had been determined and established, as the construction of the San Pedro, Los Angeles and Salt Lake Railroad through this vicinity brought this fertile section prominently before the public, causing an appreciation in both water and land values.

During the years 1906 and 1907, the forces of the office being concentrated upon the work of determining the rights of the Muddy and Walker Rivers, only limited attention could be given to the collection of proofs of the use of waters of the Humboldt River. About twenty proofs, however, were filed in the office during these two years, notwithstanding the fact that many of the customers were non-residents, and it was therefore difficult to locate them.

On May 1, 1907, State Engineer Thurtell resigned to accept a position as Railroad Commissioner of Nevada. The incumbent, Mr. Frank R. Nicholas, was appointed by Governor Sparks as his successor, Mr. J. R. Van Nagell having been appointed Assistant State Engineer.

It would seem that by the passage of the Act of 1907 the Legislature had made ample provisions for the office of State Engineer, but the volume of business has accumulated to such an extent that the limited office force and appropriation for carrying the law into effect have shown themselves to be inadequate to insure due attention to those applying to secure permits for unappropriated waters. On January 1, 1907, there were 323 applications for unappropriated water, and these have increased up to December 31, 1908, to 1,230 applications. This increase of about four hundred per cent can be accounted for by the unusual activity of the last two years along all lines of water appropriation, and it can there-

fore be readily appreciated that if the rights of water consumers and appropriators are to be conserved and protected, suitable modifications and amendments to existing laws, together with sufficient appropriation, should be enacted.

THE HUMBOLDT RIVER.

The Humboldt River has its source in the Ruby and Independence Mountains in Elko County, and traverses nearly six hundred miles through Elko, Eureka, Lander, and Humboldt Counties. There are approximately some four hundred users of water from this stream, the majority of whose rights conflict and are confusing, and they must eventually be settled and adjusted through the office of the State Engineer. Disputes in the past have caused endless litigation, in which thousands of dollars have been expended by litigants, and it is evident that, before there can be any just system of distribution of the water of the river upon lands now irrigated, the rights to the use thereof must be fully determined and established.

For convenience the Humboldt River has been divided into three districts:

District No. 1, extending from Humboldt Lakes to Winnemucca.

District No. 2, extending from Winnemucca to Elko, including its South Fork and tributaries.

District No. 3, being the main or North Humboldt River and its tributaries.

Proofs of appropriation for the first district of the Humboldt River are herewith given, showing the owners of ditches, their names, and when proofs were filed:

Owner.	Ditch.	Proofs Filed.
Anker, Peter	Union Canal	Oct. 24, 1906
Bailey, R. S.	Pitt	Oct. 22, 1906
Bastian, Mrs. G.	Reed	Oct. 27, 1906
Biggs, C. E.	Pitt	Dec. 24, 1906
Booth, Sarah A.	St. Mary's	May 11, 1908
Burnk, E. E.	Old Graveyard D. and S.	Oct. 19, 1906
Carpenter, L. N.	Rogers and Irish-American	Aug. 24, 1908
Christensen, Julius	Southwest and Old Channel	May 21, 1908
Damm, Hans	Young	Nov. 4, 1906
Damm, Hans	Pitt	Nov. 4, 1906
Damm, J. C.	Lake Shore	Nov. 4, 1908
Damm, Jurgen	Reed	Oct. 11, 1906
Dumas, Joseph	Lake Shore	Nov. 15, 1906
Elgis, Wm.	Pitt	Apr. 9, 1908
Engle, W. A.	Reed	Oct. 16, 1906
Feliz, A.	Southwest	Jan. 14, 1907
Fenton, Ellen, Estate, J. O'Kane, Administrator	Union Canal	Aug. 11, 1908
First Nat. Bank, Winnemucca	Sloan Ditches Nos. 1 and 2	Aug. 29, 1908
Friss, Henry W.	Union Canal	Dec. 10, 1906
Hansen, Andrew	Lake Shore	Nov. 8, 1906
Hanson, Chris	Reed	Oct. 11, 1906
Hanson, Ingvert	Lake Shore	Oct. 16, 1906
Hatton, W. C.	Old Channel	Nov. 5, 1906
Helwinkel, D.	Young	Nov. 12, 1906
Henrickson, J. A.	Reed	Dec. 15, 1906

Owner.	Ditch.	Proofs Filed.
Hill, Andrew C.	Union Canal	Aug. 18, 1908
Holmgreen, Alex.	Tunnel	Nov. 26, 1906
Holmstrom, Emil	Pitt	Oct. 27, 1906
Holmstrom, H.	Young	Nov. 26, 1906
Holmstrom, Jno.	Young	Oct. 31, 1906
Humphrey & Moffat	Southwest	Aug. 14, 1908
Jensen, Hans	Reed	Oct. 24, 1906
Johnson, L. P.	Old Channel	Oct. 27, 1906
Johnson, Paul	Lake Shore	Oct. 27, 1906
Killebrew, Rachel	Killebrew	Dec. 17, 1906
Kofoed, Martin	Reed	Oct. 16, 1906
Kruse, H. P.	Young	Nov. 2, 1906
Larson, Henry	Union Canal	Feb. 2, 1907
Loorz, Wm.	Pitt	Nov. 20, 1906
Lovelock Land and Development Company	Highflyer	Aug. 17, 1906
Marzen, Joseph	Marzen	Jan. 23, 1906
Mortensen, Conrad	Reed	Oct. 13, 1906
Munk, L.	Union Canal and Lake Shore	Mar. 6, 1907
Munk, N. C.	Reed	Oct. 24, 1906
Nixon & Lee Cattle Co.	Sloans Ditches Nos. 1 and 2	Aug. 29, 1906
Nordman, John	Young	Jan. 2, 1907
O'Donnell, Thomas C.	O'Donnell	Apr. 28, 1906
O'Kane, John	Irish-American	Aug. 11, 1908
O'Kane, John	Irish-American	Mar. 26, 1907
Olson, Andrew	Olson	Dec. 5, 1906
O'Neal, Sophia	Southwest	Aug. 25, 1906
Ostrander, Geo. W.	Young	Feb. 21, 1907
Pacific Live Stock Co.	Young	May 29, 1906
Pitt, Geo. L.	Last Chance, Irish-American	Nov. 7, 1906
Pitt, Geo. L.	Old Channel	Nov. 7, 1906
Pitt, W. C.	Old Channel	Oct. 24, 1906
Pitt, W. C.	Southwest	Oct. 24, 1906
Riverside Ranch	Rogers	Aug. 24, 1906
Robinson, Mrs. L. D.	Meacham Nos. 1 and 2	June 12, 1906
Ruddehl, W. C.	Irish-American	Aug. 24, 1906
Sebbas, Vic	Young	Dec. 28, 1906
Smith, W. O.	Irish-American	Aug. 22, 1906
Sommer, E. W.	Highflyer	Oct. 25, 1906
Stoker, Geo. C.	Pitt	Apr. 27, 1906
Stoker, Geo. C.	Old Channel	Dec. 19, 1906
Stoker, Geo. C.	Old Channel	Dec. 19, 1906
Stoker, H.	Pitt	Apr. 27, 1906
Stoker, H.	Old Channel	Dec. 19, 1906
Stoker, H.	Old Channel	Dec. 19, 1906
Stoker, H.	Old Channel	Dec. 19, 1906
Taylor, John G.	Old Channel	Jan. 14, 1907
Taylor, John G.	Irish-American	Mar. 15, 1907
Torrey, Eben L.	Union Canal	Dec. 15, 1906
Trousdale, A. F.	Trousdale Ditches	May 9, 1906
Uniacke & McDonald	Southwest	Jan. 12, 1907
Westfall, Andrew	Lake Shore	Oct. 24, 1906
Young, S. R.	Young	Aug. 14, 1906

The foregoing include all water users who filed their proofs of appropriation in accordance with law.

There are approximately twenty-five water users located between Winnemucca and Lovelock, many of whom are non-residents. The

priorities of vested rights for this district should be determined and established as soon as possible, and especially by April 15, 1909, when appropriators commence using the water for irrigation purposes.

It is of paramount interest to the water users that the settlement and adjustment of priorities of their vested rights along the river be adjudicated without unnecessary delay, and to that end the work in the second and third districts will be taken up with such dispatch as is consistent with other current matters, and given due consideration.

TRUCKEE RIVER CLAIMS.

In the latter part of August, 1908, Mr. Morris Bien, Chief of Land and Legal Matters, Mr. A. E. Chandler, Engineer in Charge of Land and Legal Matters in the Field, and Mr. Thomas R. Means, Project Engineer Carson-Truckee Project, representing the United States Reclamation Service, called upon the State Engineer in behalf of this project.

This project, as is evident, and as was fully explained by them, depends for its water supply upon the Truckee and Carson Rivers, after all priorities therefrom have been satisfied.

It seems that the priorities upon these rivers, on account of the inadequate force at the command of this office, have not as yet been fully determined and compiled. The gentlemen stated that before the Carson-Truckee Project could proceed with any degree of certainty, it is paramount for the Government they represent to know from actual measurements the amount of the water of these rivers that is held by priority of use, so that the Government may be able to ascertain the volume of water available for this project, the success of which, it is evident to all, will be of inestimable benefit to the people of this State.

They therefore urged the State Engineer to proceed immediately to ascertain and compile these priorities that the Government may not be delayed in its work or frustrated in its plans.

The State Engineer admitted the necessity and urgency of their request, and only regretted that the funds at his disposal would not permit this office to give the matter referred to the required attention. This Truckee-Carson Project and its priorities are subjects which should engage the serious and favorable consideration of the Legislature.

RIO VIRGIN RIVER CLAIMS.

The matter of adjudicating the priorities of certain interstate canals located on Nevada-Arizona State line, whose water supply is from the Rio Virgin River, has been referred to this office for settlement.

It is of the utmost importance that this office determine the rights thereto, as the lands cultivated from these canals are probably the most valuable cultivated lands in the State, and are largely used for the growing of raisins, grapes and citrus fruits.

It will be necessary for this office to cooperate with the State Engineer of Arizona in determining such priorities; also to establish and determine the present existing rights on said stream.

APPLICATIONS FOR APPROPRIATIONS OF WATER.

Herewith is given a tabulated statement showing the increase of applications for permits for the diversion and use of the water of the State:

1905.		1906.	
May	3	January	9
June	1	February	10
July	5	March	12
August	3	April	29
September	6	May	17
October	2	June	35
November	6	July	25
December	5	August	28
		September	20
Total	31	October	52
		November	32
		December	22
		Total	231

1907.		1908.	
January	30	January	35
February	25	February	38
March	36	March	50
April	36	April	55
May	51	May	42
June	42	June	45
July	49	July	41
August	64	August	36
September	43	September	23
October	21	October	28
November	19	November	36
December	31	December	32
Total	447	Total	461

During the years 1907 and 1908 there were 92 applications protested. Of these, 22 were granted and 26 denied. The remaining 44 are still under advisement, due largely to the fact that neither the State Engineer nor his Assistant has been able to examine existing conditions and report thereon.

It has been found by experience that documentary evidence adduced is often misleading and exaggerated, and that true conditions cannot be determined without a personal investigation of the proposed diversion and use.

Although this system may be the cause of delay to some applicants, it has been found to be more just to all and that it reduces litigation to a minimum. Hearings on protested applications to determine the facts in controversy will be held whenever desired.

Thirty-two applications of beneficial use were received, for which twenty-six certificates have been issued; six applications being still under consideration and will have to be personally inspected before certificates are issued.

One hundred and sixty-two certificates were issued during 1907 and 1908. Of these, 116 were for the waters of the Muddy River; 46 being for waters in various portions of the State, 20 of which were issued to water users who had filed proofs of appropriation to small parcels of lands throughout the State.

The total number of applications for water rights filed in this office since 1905 was 1,230. Of this number, 272 applications were denied, canceled and withdrawn, 458 are still under consideration, and permits have been granted for 500, as follows:

PERMITS GRANTED.

No.	Name.	Stream.	Purpose.	Estimated cost.	Approved.
1	A. C. Pratt	East Carson	Power	\$100,000	July 18, 1905
2	Dangberg Land and Livestock Company	East Carson	Irrigation	10,000	Oct. 10, 1905
3	H. C. Dangberg	East Carson	Irrigation	5,000	Oct. 12, 1905
4	Reno Power Light and Water Company	Truckee	Irrigation	100,000	Oct. 15, 1905
5	Griffin & Tallman	Amargosa	Milling	50,000	Oct. 21, 1905
6	Chown & Gates	Amargosa	Milling	20,000	Oct. 21, 1905
17	John G. Taylor	China Wolf and Chimney Creek	Irrigation	10,000	Mar. 24, 1906
18	John G. Taylor	Chino Creek	Irrigation	1,000	Mar. 24, 1906
19	W. T. Jenkins Company	Rock Creek	Irrigation	2,000	Mar. 24, 1906
20	F. L. Griffin	Amargosa River	Mining	10,000	Jan. 19, 1906
21	Ely Bath Company	Warm Springs	Laundry	200	Nov. 28, 1906
23	R. L. Harper	Springs	Milling	100,000	Apr. 13, 1906
24	W. D. Lawton	Amargosa	Milling	20,000	Mar. 22, 1906
27	C. L. Hyde, et al.	Springs	Milling	50,000	Apr. 13, 1906
28	C. Mack Mining Company	Amargosa River	Smelting	500	Apr. 13, 1906
30	J. P. Atwill	Muddy River	Irrigation	2,000	June 6, 1906
31	Nevada L. and L. S. Company	Galena Creek	Mining	4,000	May 10, 1906
33	C. W. Clapp	Spring	Mining	20,000	Nov. 3, 1906
40	H. P. Jansen, et al.	Bald Mountain Spring	Mining	30,000	June 26, 1906
41	C. B. Smith	Blue Jacket Creek	Milling	10,000	May 28, 1906
42	E. P. and S. A. Walker	Spring	Milling	8,000	May 2, 1906
43	D. P. Hargis	Spring	Milling	5,000	June 6, 1906
48	Bert Kopenhaver	Park Canyon Creek	Milling	10,000	July 10, 1906
53	Pittman & Martin	Spring	Power	50,000	July 10, 1906
56	Pittman & Martin	Spring	Irrigation	500	Aug. 1, 1906
59	Mrs. J. W. Fapp	Amargosa	Milling	50,000	Aug. 1, 1906
62	Bullfrog Water, Light and Power Company	Jet Canyon	Power	5,000	Sept. 11, 1906
64	Tonopah Extension Company	Shipley Canyon	Power	5,000	July 10, 1906
65	Tonopah Extension Company	Duck Creek	Mining	20,000	Aug. 22, 1906
66	Cumberland Ely Copper Company	McGill Springs	Mining	10,000	Aug. 22, 1906
67	Cumberland Ely Copper Company	Berry Creek	Smelting	15,000	Aug. 22, 1906
68	Cumberland Ely Copper Company	The Pools	Mining	10,000	Aug. 22, 1906
70	Cumberland Ely Copper Company	Timber Creek	Milling	25,000	Aug. 22, 1906
72	Cumberland Ely Copper Company	Berry Creek	Milling	12,000	Aug. 22, 1906
73	Cumberland Ely Copper Company	Berry Creek	Milling	5,000	Aug. 22, 1906
75	Cumberland Ely Copper Company	Springs	Milling	25,000	Aug. 22, 1906
78	W. W. Williams	Middle West and East Gate Springs	Milling	5,000	Aug. 1, 1906
82	Wm. Hunter	Humboldt River	Irrigation	2,000	Sept. 28, 1907

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PERMITS GRANTED--Continued.

No.	Name.	Stream.	Purpose.	Estimated cost.	Approved.
88	Pittman & Martin	Pablo Creek	Power	\$15,000	July 10, 1906
87	W. O. Temple	Willow Creek	Irrigation	10,000	Nov. 21, 1906
90	W. N. McMill	Water Canyon	Mining	1,000	Oct. 12, 1906
92	W. P. Jenney	Springs	Milling	50,000	Dec. 29, 1906
93	W. P. Jenney	Springs	Milling	50,000	Dec. 29, 1906
94	J. A. Fester	Springs	Irrigation	10,000	Mar. 1, 1907
95	J. A. Fester	Watson Springs	Domestic	10,000	Mar. 1, 1907
96	Manuel Mining Company	Wild Cat and Clay Gulches	Mining	25,000	July 30, 1907
99	Mrs. A. C. Cleveland	McCoy Creek and Springs	Power	10,000	Aug. 1, 1906
100	Mrs. A. C. Cleveland	Bassett Creek and Springs	Power	10,000	Aug. 1, 1906
101	Alfred Leater, et al.	Three Springs	Mining	10,000	Aug. 27, 1906
104	W. L. Irvine, et al.	Water Canyon	Mining	300,000	Aug. 27, 1906
105	P. H. Hebb	Barrel Springs	Mining	3,000	Nov. 1, 1906
110	Silver Peak V. and G. M. Company	Spring	Irrigation	15,000	Aug. 22, 1906
112	R. L. Douglass	Horse Creek and tributaries	Power	10,000	Nov. 1, 1906
113	J. K. Judd	Eldorado Canyon Creek	Irrigation	10,000	Sept. 1, 1906
114	J. K. Judd	Antelope Canyon Creek	Irrigation	300	Sept. 1, 1906
115	J. K. Judd	Black Canyon	Irrigation	500	Sept. 1, 1906
120	Jos. Urquhart	Indian Canyon	Mining	60,000	Jan. 22, 1907
121	Jos. Urquhart	Mission Canyon	Mining	60,000	Jan. 22, 1907
122	Jos. Urquhart	Wall Canyon	Mining	2,000	Oct. 4, 1906
123	John Melvin	Hot Springs	Irrigation	2,000	Oct. 4, 1906
126	Taylor Simmons, et al.	Sage Hen Creek	Domestic	5,000	Dec. 1, 1906
130	John McAllister	Jefferson Creek	Mining	2,000	Oct. 12, 1906
131	C. E. Mayne	Mariposa Canyon Springs	Mining	5,000	Oct. 12, 1906
132	Cumberland Ely Copper Company	East Creek and Middle Creek	Milling	5,000	Nov. 1, 1906
133	A. G. McAllister	Slaughter House Canyon	Mining	1,000	Oct. 31, 1906
134	J. R. Ward	Antelope Creek	Mining	500	Dec. 20, 1906
137	A. J. Woodward, et al.	Wall Spring	Mining	2,000	Nov. 1, 1906
139	J. B. Menard, et al.	Mill Creek	Mining	50,000	Dec. 1, 1906
142	Jos. L. Giroux	Springs	Mining	25,000	Nov. 21, 1906
143	J. Henry, et al.	Mgan Canyon	Mining	10,000	Oct. 12, 1906
145	Wm. Ashton	Springs and seepage	Transportation	35,000	July 20, 1907
150	G. B. Williams	Skull and Road Canyons	Irrigation	2,000	Nov. 1, 1906
153	Jos. Urquhart	Spanish Canyon	Mining	40,000	Jan. 22, 1907
154	R. L. Harper	Four Springs	Mining	100,000	Oct. 4, 1906
155	Joe Bruner	Opbir and Wisconsin Creeks	Power	150,000	Dec. 8, 1906
156	G. R. Williams	Park Springs	Watering stock	200	Nov. 1, 1906

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No.	Name.	Stream.	Purpose.	Estimated cost.	Approved.
158	Mrs. L. E. Walker	Thelle and Big Rock Springs	Irrigation	400	July 2, 1907
159	A. D. McLeod	Cedar Springs	Irrigation	500	Nov. 1, 1906
160	Chas. Lakman, et al.	Nine Springs	Mining	2,000	Oct. 12, 1906
161	G. G. Davis, et al.	Springs	Mining	5,000	Dec. 1, 1906
163	Jos. Taylor	Duck Creek	Power	50,000	May 3, 1907
166	Orrin H. Snow	Water Canyon Creek	Mining	1,500	Nov. 10, 1906
167	Perry L. Smith	Cold Creek	Irrigation	10,000	Dec. 20, 1906
168	Cumberland Ely Copper Company	Berry Creek	Power	150,000	Dec. 20, 1906
173	O. C. Nelson, et al.	Tom Dick Canyon	Mining	3,000	Oct. 12, 1906
174	Geo. Emerson	Barrel Springs	Milling	50,000	Dec. 1, 1906
179	P. H. Hebb	Walker River	Irrigation	15,000	Dec. 20, 1906
182	C. H. Asbury	Bird Creek	Reduction	150,000	Dec. 20, 1906
183	Cumberland Ely Copper Company	Timber Creek	Power	200,000	Nov. 28, 1906
184	O. C. Nelson, et al.	Cleveland Creek	Power	10,000	Dec. 20, 1906
186	E. D. Morton	Jefferson Creek	Power	150,000	Dec. 8, 1906
187	Dixon & Stebbins	Last Chance Creek	Reduction	100,000	Dec. 20, 1906
180	C. C. Spicer	Pettis Springs	Reduction	10,000	Dec. 20, 1906
191	Tramp Consolidated Mining Company	Indian Springs	Mining	1,000	May 4, 1907
192	C. P. Rigney, et al.	Indian Springs	Mining	1,000	May 4, 1907
195	Walter L. Bell	Cottonwood Creek	Irrigation	5,000	Jan. 15, 1907
199	Lone Mountain Gold Mining Company	Spring	Mining	250	Dec. 20, 1906
202	L. L. Goodman	Silver Creek Springs	Irrigation	10,000	May 3, 1907
205	J. W. Murphy, et al.	Amargosa River	Mining	45,000	Jan. 28, 1907
208	Osceola Placer Mining Company	East Side Ditch	Power	55,000	Jan. 28, 1907
209	Osceola Placer Mining Company	West Side Ditch	Power	55,000	Jan. 28, 1907
211	John Yelland	Nigger Creek	Power	2,000	Mar. 16, 1907
212	James F. Byer	Spring	Irrigation	500	Aug. 3, 1907
213	Pat Keegan	Blue Mass Creek	Irrigation	500	Aug. 3, 1907
216	J. C. Tognini	Big Warm Springs	Irrigation	6,000	Dec. 29, 1906
218	J. A. Carr	Shoshone Creek	Mining	2,000	Feb. 7, 1907
220	G. R. Raymond	Raymond Springs	Milling	150,000	Jan. 22, 1907
221	L. O. Ray	Spring	Mining	150,000	Jan. 22, 1907
222	L. O. Ray	Spring	Mining	20,000	Mar. 19, 1907
223	L. O. Ray	Spring	Mining	20,000	Mar. 19, 1907
225	W. J. Caruthers	Reese River	Milling	500,000	Apr. 9, 1907
227	Chas. J. Kuebel	Spring	Reduction	50,000	Jan. 19, 1907
228	A. G. Smith	1, 2, 3d Creeks	Mining	500	Mar. 19, 1907
230	W. D. Cavell, et al.	Paymaster Spring	Power	2,000	Jan. 28, 1907
231	W. O. Temple	Spring Creek	Power	10,000	Mar. 19, 1907
233	W. O. Temple	Springs	Irrigation	250	June 26, 1907
240	Earl Welch	Big Cottonwood Creek	Irrigation	6,000	Apr. 17, 1907
242	W. P. Pearson	Dutchman Creek	Milling	2,400	Mar. 1, 1907
243	R. A. Falkenberg, et al.	Dutchman Creek	Milling	2,400	Mar. 1, 1907
254	W. G. Douglass	Putchman Creek	Milling	3,100	Aug. 3, 1907

PERMITS GRANTED—Continued.

No.	Name.	Stream.	Purpose.	Estimated cost.	Approved.
262	R. C. Moore	Willow Creek	Milling	\$4,000	May 8, 1907
269	A. L. Lidwell	Spring	Milling	5,000	Mar. 4, 1907
273	C. J. Kuebel	Reese River	Power		Apr. 9, 1907
274	R. A. Falkenberg, et al.	Cottonwood Creek	Mining	500	Mar. 1, 1907
276	H. S. Abbott	Walker River	Power	140,000	Jan. 16, 1907
278	L. A. L. Green, et al.	Willow Canyon	Mining	500	May 4, 1907
279	L. A. L. Green, et al.	Penrod Canyon	Mining	500	May 4, 1907
281	H. S. Abbott	Walker River	Power	100,000	Jan. 16, 1907
282	Johnny Consolidated Gold Mining Company	Willow Springs	Mining	1,000	Feb. 7, 1907
283	Johnny Consolidated Gold Mining Company	Springs	Mining	10,000	Feb. 7, 1907
284	Johnny Consolidated Gold Mining Company	Grapevine Springs	Mining	2,000	Feb. 7, 1907
285	P. A. Johnson	Springs	Mining	1,000	Feb. 7, 1907
286	P. A. Johnson	Springs	Mining	1,000	Feb. 7, 1907
287	P. A. Johnson	Springs	Mining	1,000	Feb. 7, 1907
288	F. E. Hunter	Copper Springs	Domestic	5,000	May 3, 1907
289	M. K. Toohy, et al.	Coyote Springs	Power	5,000	June 15, 1907
291	L. A. Ruppe	Springs	Irrigation	200	Mar. 16, 1907
292	L. A. Ruppe	Springs	Irrigation	200	Mar. 16, 1907
296	Tonopah Liberty Mining Company	Springs	Mining	5,000	Feb. 7, 1907
297	H. P. Millett	Antelope Basin	Irrigation	500	May 3, 1907
298	W. G. Colter	Long Street Springs	Mining	20,000	May 3, 1907
299	Cumberland Ely Copper Company	Holt Creek	Power	50,000	Apr. 9, 1907
300	Cumberland Ely Copper Company	Springs	Milling	1,000	June 24, 1907
302	T. L. Oddie, et al.	Cottonwood Springs	Mining	5,000	Aug. 3, 1907
303	W. H. Stevens	Bench Creek	Power	100,000	Sept. 15, 1908
304	Chas. A. Fulstone	Carson River	Irrigation	3,000	Mar. 20, 1907
306	J. Harrell	White Rose Springs	Domestic	5,000	Sept. 15, 1908
307	J. B. Griffin	Springs	Milling	5,000	Oct. 10, 1907
308	Henry Goud	Charlestown Creek	Power	100,000	Oct. 10, 1907
310	C. H. Wise	Pine Creek	Power	150,000	Sept. 4, 1907
311	E. J. Campbell	Springs	Transportation	5,000	Sept. 15, 1908
312	E. J. Campbell	Eight Mile Creek	Power	10,000	Mar. 18, 1907
313	W. D. Campbell	Steptoe Slough	Irrigation	4,000	Mar. 18, 1907
316	R. L. Harper	Underground waters	All and any	100,000	Apr. 11, 1907
320	Lincoln Stone Company	Willow Springs	Power	60,000	Aug. 1, 1907
321	J. A. Magnuson	Indian Creek	Irrigation	1,000	Mar. 20, 1907
322	S. A. Borland, et al.	Seven Troughs Springs	Milling	100,000	May 2, 1907
323	Banner Mines Company	Amargosa River	Milling	20,000	Apr. 9, 1907

326	J. Hill	Stone House Springs	Milling	3,000	May 1, 1907
327	S. B. Hill	Burnt Canyon Springs	Domestic	3,000	May 1, 1907
331	P. Y. Gilson	Horse Creek	Domestic	5,000	June 16, 1907
332	Chas. R. Price	Amargosa River	Power	21,000	May 4, 1907
335	E. A. McDermaid	Williams Creek	Power	50,000	Aug. 3, 1907
337	Nevada United Mining Company	Tule Canyon	Milling	5,000	May 2, 1907
338	Ely Townsite Company	Murry Creek	Irrigation	4,000	May 4, 1907
340	W. B. Wyrick	Rose Bud Canyon	Mining	5,000	June 15, 1907
341	H. S. Abbott	Walker River	Power	200,000	Apr. 17, 1907
342	H. S. Abbott	Walker River	Power	100,000	Apr. 17, 1907
343	W. H. Eddards	Springs	Power	200	Nov. 14, 1907
344	St. Lawrence Mining Company	Gold Canyon	Mining	5,000	July 27, 1908
347	White Pine Gold Mining and Milling Company	Walker River	Milling	5,000	May 6, 1907
348	H. S. Abbott	White River	Milling	50,000	Apr. 17, 1907
349	Preston Irrigation Company	Rabbit Hole Springs	Irrigation	15,000	June 26, 1907
350	Spencer & Spencer	Martin Creek	Mining	2,000	May 1, 1907
354	T. L. Oddie, et al.	Martin Creek	Mining	100,000	May 18, 1907
355	T. L. Oddie, et al.	Martin Creek	Power	100,000	May 18, 1907
357	J. Romow	Meadow Valley Wash	Irrigation	1,000	Jan. 2, 1908
358	Sloan & Sloan	Muddy Springs	Mining	250,000	May 18, 1907
359	L. B. McCormick	Franktown Creek	Power	20,000	Oct. 10, 1907
360	J. J. Cusick	Indian Creek	Mining	30,000	May 8, 1907
362	Mines Development Company	Reids Canyon	Milling	2,000	May 2, 1907
364	J. Glendenning, et al.	Brown Springs	Mining	2,000	Oct. 10, 1907
371	F. O. Dolson	Pablo Creek	Mining	25	Aug. 7, 1907
373	H. A. Cummings	Moster Springs	Irrigation	25	May 18, 1907
374	H. A. Cummings	Tonamaloe Springs	Mining	1,000	Aug. 7, 1907
376	F. J. McMullen, et al.	Bucktail Springs	Irrigation	2,000	June 6, 1907
379	H. E. Mathews, et al.	Whispering Ben Springs	Irrigation	2,000	Oct. 10, 1907
382	John Ackley, et al.	Yellow Jacket Springs	Mining	5,000	Sept. 15, 1908
383	M. D. Judah	Egbert Canyon	Mining	5,000	Aug. 3, 1907
384	J. E. Hayes, et al.	Sainon River	Power	740,000	June 13, 1908
385	T. E. Bangs	Willow Springs	Domestic	500	Nov. 14, 1908
386	T. E. Bangs	Poker Brown Springs	Milling	600	Nov. 14, 1908
387	A. C. Ellis	Fairview Springs	Reduction	2,000	Oct. 10, 1907
388	E. and F. Mining Company	k. and F. Springs	Reduction	100,000	Oct. 10, 1907
390	W. P. Wilson, et al.	Peavine Springs	Irrigation	3,000	Aug. 3, 1907
392	E. W. Hendsch	Big Timber Springs	Irrigation	3,000	Sept. 15, 1908
393	M. E. Paris, et al.	Shoshone Springs	Milling	30,000	Oct. 10, 1907
394	J. A. Bush	Wilson Creek	Milling	50,000	Nov. 14, 1907
395	J. A. Bush	Eagle Canyon	Power	20,000	Nov. 14, 1907
396	A. Swallow	Springs	Power	100	July 5, 1907
401	Steptoe Valley Smelting and Mining Company	Duck Creek	Irrigation	25,000	May 4, 1907
402	Steptoe Valley Smelting and Mining Company	Duck Creek	Power	25,000	Apr. 21, 1907
404	F. O. Dolson	Twin River	Power	225,000	July 11, 1907

PERMITS GRANTED—Continued.

No.	Name.	Stream.	Purpose.	Estimated cost.	Approved.
409	D. S. Dickerson	Springs	Power	\$20,000	June 26, 1907
410	D. S. Dickerson	Springs	Milling	10,000	June 26, 1907
412	C. A. Humphrey	Silver Creek	Milling	1,000	Sept. 15, 1907
413	Nevada Copper Mining, Milling and Power Co.	Salmon River	Power	100,000	Nov. 25, 1907
419	J. A. Magnuson	Ferguson Springs	Reduction	2,000	Aug. 21, 1907
420	Cumberland Ely Copper Company	Bird Creek	Reduction	5,000	Aug. 21, 1907
421	Stephens Valley S. M. Co.	The Pools	Reduction	10,000	Oct. 11, 1907
422	Z. B. Drum, et al.	Spring	Mining	5,000	Aug. 23, 1907
423	Z. B. Drum, et al.	Spring	Mining	5,000	Oct. 11, 1907
424	Sheba Gold and Silver Mining Company	Star Canyon	Power	75,000	July 15, 1907
426	I. J. Wilson	Kelly Creek	Irrigation	200	Aug. 3, 1907
426	I. J. Wilson	Gold Canyon Spring	Irrigation	500	Aug. 3, 1907
427	C. H. Smith	Spring	Irrigation	500	Feb. 1, 1908
428	P. Samuelson	Peavine Creek	Irrigation	500	Oct. 11, 1907
429	J. L. Bray	Cucomongo Springs	Milling	1,500	Sept. 11, 1907
430	J. H. Andregg	Cow Creek	Milling	50,000	Oct. 16, 1907
435	H. Rallow	Saw Mill Canyon	Milling	3,000	Oct. 5, 1907
436	G. W. Goudor	Snake Creek	Power	20,000	Oct. 5, 1907
437	H. Henderson	Humboldt River	Power	50,000	Aug. 23, 1907
438	H. Henderson	Humboldt River	Power	20,000	Aug. 23, 1907
439	H. Henderson	Humboldt River	Power	40,000	Aug. 23, 1907
440	H. Henderson	Keckner Canyon	Power	30,000	Aug. 23, 1907
441	H. Henderson	Long Canyon	Power	30,000	Aug. 23, 1907
442	C. A. Humphrey	Spanish Bell Springs	Milling	1,500	Oct. 16, 1907
443	New York Valley Gold Mining Company	Deer Creek	Mining	2,000	Oct. 16, 1907
445	G. W. Hendsch	Crystal Springs	Mining	250	Oct. 16, 1907
446	T. C. Davidson	Ohio Springs	Irrigation	1,000	July 2, 1907
449	United Mining Company	Erasser Spring	Mining	500	Oct. 16, 1907
451	G. F. McCardy, et al.	Spring Creek	Irrigation	500	Oct. 16, 1907
452	B. C. & G. L. Gallagher	Five Mile Point Spring	Milling	20,000	Oct. 2, 1907
454	C. L. Roe	Five Mile Point Spring	Steaming	500	Aug. 16, 1907
456	J. F. Trotter	Mississippi Creek	Milling	5,000	Oct. 16, 1907
459	E. F. Jones	Mounts Creek	Milling	2,000	Oct. 17, 1907
460	Otto Olson	Carson River	Irrigation	200	Oct. 17, 1907
461	J. T. Sanderson	White Rock Creek	Mining	3,000	Sept. 14, 1907
462	J. T. Sanderson	Gold Creek	Mining	3,000	Sept. 14, 1907
465	Potosi Zinc Lead Mining Company	Potosi Spring	Mining	5,000	Dec. 19, 1907
467	W. O. Pray	Horse River	Power	210,000	Oct. 17, 1907

469	Nevada Amargosa Mining Company	Cooper Creek	Reduction	10,000	Oct. 17, 1907
470	Nevada Amargosa Mining Company	Badger Creek	Reduction	1,000	Oct. 17, 1907
472	B. F. Taylor, et al.	Mexican Spring	Milling	75,000	Dec. 9, 1908
473	G. S. Robinson	Strawberry Creek	Irrigation	1,000	Apr. 6, 1908
476	J. T. Sanderson	Clear Creek	Milling	1,000	Oct. 17, 1907
478	F. I. Gummel	Gilbert Springs	Reduction	1,000	Aug. 3, 1907
479	F. I. Gummel	Bell-Mare Springs	Reduction	1,000	Aug. 3, 1907
480	F. I. Gummel	Blue Bird Springs	Reduction	1,000	Aug. 3, 1907
481	Geo. M. Dwyer, et al.	Muney Creek	Power	5,000	Jan. 10, 1908
483	San Pedro, Los Angeles and Salt Lake Railroad	Big Spring	Transportation	20,000	Oct. 17, 1907
486	H. Loose, et al.	Charcoal Canyon	Milling	50,000	Aug. 23, 1907
489	H. Henderson	Keckner Lake	Power	30,000	Aug. 23, 1907
490	Stephens Valley Smelter and Mining Company	McCall Springs	Reduction	5,000	Oct. 18, 1907
491	Shuman & Shuman	Georgia Bell Springs	Milling	1,000	Oct. 18, 1907
504	I. L. Winters	Twin Springs	Stock	250	Oct. 18, 1907
505	Mrs. A. C. Cleveland	Stephens Creek	Power	5,000	Oct. 2, 1907
508	C. Norton, et al.	Willow Lake	Irrigation	1,500	Sep. 6, 1907
510	C. Norton, et al.	Willow Lake	Irrigation	1,500	Sep. 6, 1907
512	Z. B. Drum, et al.	Burnt Lake	Mining	500	Oct. 18, 1907
513	Rosebud E. E. and L. Company	Spring	Domestic	1,000	Oct. 18, 1907
514	T. J. Commins	Rosebud Springs	Irrigation	1,000	Feb. 17, 1908
515	J. B. Yount	Eagle Gulch	Irrigation	300	Oct. 19, 1907
516	F. J. Commins	Deer Creek Springs	Irrigation	300	Feb. 17, 1908
518	J. Callahan	White River	Power	500	Apr. 6, 1907
519	Wm. Rickman	Willow Creek and Spring	Mining	200	Sep. 28, 1907
520	H. W. Bruner, et al.	Truckee River	Power	250,000	Oct. 7, 1907
521	H. W. Esden, et al.	Snow Water	Irrigation	300	Sep. 16, 1908
525	E. A. Hendricks	Eagle Creek	Irrigation	100	Sep. 14, 1907
526	C. E. Miller	Horse Creek	Power	25,000	Sep. 16, 1908
527	S. F. Palmer	Coyote Springs	Mining	15,000	Feb. 17, 1908
528	C. C. Higgins	Overland Creek	Power	225,000	Sep. 16, 1908
531	National Development Company	Overland Creek	Power	225,000	Sep. 16, 1908
532	National Development Company	East Creek	Reduction	15,000	Sep. 16, 1908
533	Stephens Valley Smelter and Mining Company	Duck Creek	Reduction	5,000	Mar. 9, 1908
534	Stephens Valley Smelter and Mining Company	Bird Creek	Reduction	50,000	Nov. 19, 1908
535	Stephens Valley Smelter and Mining Company	Jefferson Creek	Power	50,000	Apr. 16, 1908
536	Round Mountain Hydraulic Mining Company	Cottonwood Creek	Power	3,000	Feb. 17, 1908
538	G. G. Davis	Alum Creek	Milling	10,000	Oct. 30, 1907
541	John Harlan	Waahoe Lake	Milling	7,000	Nov. 2, 1907
544	F. J. Allen	Hot Creek	Milling	100	Oct. 16, 1907
549	Harris Mill and Mining Company	Salt Springs	Irrigation	5,000	Oct. 29, 1907
550	Mrs. E. A. Page	Salt Springs	Reduction	5,000	Oct. 29, 1907
551	J. A. Magnuson	Spring Valley	Power	2,000	Sep. 16, 1908
552	C. W. Patterson, et al.				

PERMITS GRANTED—Continued.

No.	Name.	Stream.	Purpose.	Estimated cost.	Approved.
554	Grant Snyder	Lehman Creek	Power	\$150,000	Oct. 2, 1907
556	M. Cohen, et al.	Spring	Irrigation	50,000	Sept. 16, 1904
557	Steptoe Valley Mill and Mining Company	Duck Creek	Change point of diversion	100,000	Oct. 2, 1907
558	Steptoe Valley Mill and Mining Company	E. N. and Middle Creek	Change point of diversion	100,000	Oct. 2, 1907
559	Grant Snyder	Strawberry Creek	Power	400,000	Oct. 2, 1907
560	Grant Snyder	William Creek	Power	700,000	Oct. 2, 1907
563	A. F. Dixon	Maud Springs	Domestic	200	Oct. 29, 1907
566	A. F. Dixon	Quartz Springs	Domestic	100	Oct. 29, 1907
567	A. F. Dixon	Price Springs	Domestic	150	Oct. 29, 1907
568	B. Rush	Deep Creek	Power	300,000	Feb. 17, 1908
570	Virginia and Truckee Railway Company	Corn Creek	Transportation	5,000	Dec. 30, 1907
575	G. A. Lane	Boyd Creek	Mining	2,500	Oct. 11, 1907
576	G. A. Lane	Bryan Creek	Mining	1,500	Oct. 29, 1907
578	J. W. Puett	Sylvia Springs	Mining	1,000	Oct. 2, 1907
582	H. G. McCollough, et al.	Springs	Domestic	25,000	June 19, 1908
585	Goldfield Consolidated Water Company	School House Springs	Irrigation	150	Oct. 30, 1907
586	W. N. McGill	Chalk Springs	Mining	300	Sept. 16, 1908
590	J. E. Kerr	Copper Creek	Irrigation	25,000	Sept. 30, 1907
591	J. M. Prunty, et al.	Chalk Creek	Irrigation	500,000	Sept. 16, 1908
597	National Development Company	Battle Creek	Power	500,000	Sept. 16, 1908
598	National Development Company	Smith Creek	Power	15,000	Sept. 16, 1908
599	J. P. Kane, et al.	Truckee River	Power	300,000	Sept. 16, 1908
601	National Development Company	Mayhew Creek	Power	750,000	Sept. 16, 1908
602	National Development Company	Overland Creek	Power	5,000	Dec. 17, 1907
603	B. G. McBride	Springs	Mining	750,000	Sept. 16, 1908
606	National Development Company	Latts Creek	Power	400,000	Sept. 16, 1908
608	National Development Company	Egan Creek	Power	1,000,000	Sept. 16, 1908
600	National Development Company	Robinson Creek	Power	25,000	Sept. 16, 1908
610	C. R. Evans	Martinsville Creek	Milling	1,000	Sept. 16, 1908
615	H. P. Griffith, et al.	Springs	Mining	500,000	Sept. 16, 1908
619	National Development Company	Gold Canyon	Power	4,000	Sept. 18, 1908
620	G. E. Geopfert	Queen Canyon	Irrigation	3,000	June 15, 1908
621	T. S. Wolcott, et al.	Marble Falls	Mining	10,000	Nov. 14, 1908
622	Mrs. A. C. Cleveland	McJoy Creek	Power	5,000	Nov. 9, 1907
625	Sunlight M. & F. Co.	Cottonwood Canyon	Reduction	250,000	Sept. 18, 1908
626	E. C. Smith	Griawold Creek	Power		

628	E. C. Smith	Smith's Creek	Reduction	75,000	Sept. 18, 1908
629	E. C. Smith	Vaughn's Creek	Reduction	100,000	Sept. 18, 1908
630	E. C. Smith	Moore's Creek	Reduction	150,000	Sept. 18, 1908
631	E. C. Smith	Dawleys	Reduction	150,000	Sept. 18, 1908
632	E. C. Smith	Hawkins Creek	Reduction	500,000	Sept. 18, 1908
633	E. C. Smith	Latts Creek	Irrigation	250,000	Sept. 18, 1908
634	E. C. Smith	Withensons Creek	Irrigation	250,000	Sept. 18, 1908
635	E. C. Smith	Gedney Creek	Power	500	Jan. 17, 1908
640	E. K. Reid	Reid Canyon	Milling	1,000	Mar. 14, 1908
641	J. T. Reid	Grunes Canyon	Milling	2,000	Feb. 4, 1908
642	Rice & Rice	Melvin Creek	Irrigation	100	Sept. 18, 1908
646	J. B. Griffin	Spring	Domestic	300,000	Nov. 8, 1907
647	Nevada Utah Irrigation Development Company	Padranagata Lakes	Irrigation	2,000	Dec. 17, 1907
654	Caliente and Pioche Railroad Company	Condor Canyon	Transportation	15,000	Dec. 18, 1908
650	Utavaca Copper Company	Big Mitchell Springs	Reduction	500	Dec. 7, 1907
655	E. R. Keen	Six Mile Springs	Irrigation	100	Sept. 18, 1908
662	H. C. Sproule	Point Springs	Domestic	200	Mar. 6, 1908
664	S. Wilson, et al.	Hot Creek	Irrigation	3,000	Mar. 9, 1908
668	C. Agular	Grand Trunk Canyon	Mining	10,000	Sept. 18, 1908
671	A. Schmitt	Big Creek	Reduction	50,000	May 27, 1908
672	A. Schmitt	Salmon River	Irrigation	450,000	Sept. 18, 1908
674	P. Schillerstrom	Salmon River	Power	300,000	Sept. 18, 1908
675	P. Schillerstrom	Humboldt River	Power	200,000	Feb. 18, 1908
676	P. Schillerstrom	Humboldt River	Power	200,000	Feb. 18, 1908
677	P. Schillerstrom	Rattlesnake Creek	Power	200,000	Feb. 18, 1908
687	W. H. Patterson	Rye Patch Creek	Irrigation	10,000	Jan. 24, 1908
688	W. H. Patterson	Tuledad Creek	Irrigation	10,000	Jan. 24, 1908
689	W. H. Patterson	Lost Creek	Irrigation	400	Mar. 14, 1908
691	F. Morrison, et al.	Morrison Springs	Domestic	1,000	Dec. 18, 1907
692	J. A. Fessler	Springs	Irrigation	2,000	Dec. 17, 1907
693	Nevada Utah Development Company	Springs	Irrigation	20,000	Feb. 25, 1908
694	Jas. Cavender, et al.	Cane Springs	Mining	2,000	Jan. 6, 1908
696	J. L. Giroux	Willow Springs	Mining	150,000	June 18, 1908
697	H. H. Blackwell	Bastion Creek	Power	100,000	Aug. 1, 1908
702	S. M. Levy	Baker Creek	Power	75,000	Aug. 6, 1908
703	S. M. Levy	Baker Creek	Power	20,000	June 26, 1908
704	Steptoe Valley S. and M. Company	Duck Creek	Reduction	5,000	Dec. 19, 1908
707	E. L. Fletcher	Kalamazoo Creek	Power	20,000	Mar. 14, 1908
711	C. H. Snow	Mountain Springs	Milling	5,000	Jan. 20, 1908
712	Steptoe Valley S. and M. Company	Seeley Creek	Reduction	50,000	Sept. 19, 1908
714	G. A. Boyce	Kvence Creek	Reduction	300	Mar. 14, 1908
722	A. L. J. Clark	Spring	Irrigation	20,000	Mar. 14, 1908
723	A. B. Tutthill	North Creek	Power	75,000	Sept. 19, 1908
726	G. W. Gaby, et al.	Strawberry Creek	Power		

REPORT OF STATE ENGINEER.

PERMITS GRANTED—Continued.

No.	Name.	Stream.	Purpose.	Estimated cost.	Approved.
727	G. W. Gabby, et al.	Lehman Creek	Power	\$75,000	Sept. 19, 1908
728	G. W. Gabby, et al.	Saw Mill Creek	Power	75,000	Sept. 19, 1908
729	G. W. Gabby, et al.	Big Pine Creek	Irrigation	4,000	Sept. 19, 1908
730	G. W. Gabby, et al.	Williams Creek	Power	75,000	Sept. 19, 1908
731	G. W. Gabby, et al.	Burnt Hill Creek	Power	75,000	Sept. 19, 1908
732	G. W. Gabby, et al.	Pine Creek	Placer Mining	50,000	Sept. 19, 1908
733	G. W. Gabby, et al.	Shingle Creek	Placer Mining	50,000	Sept. 19, 1908
734	G. W. Gabby, et al.	Williams Creek	Placer Mining	50,000	Sept. 19, 1908
735	G. W. Gabby, et al.	Cleveland Creek	Placer Mining	50,000	Sept. 19, 1908
736	Floriston P. and P. Company	Bell Creek	Flushing	3,000	Sept. 19, 1908
737	O. G. Arnot	Smith Creek	Irrigation	10,000	July 25, 1908
742	E. L. Roberts	Cave Springs	Power	47,000	Aug. 25, 1908
745	Mrs. Della Crose	Art Well	Irrigation	3,000	Mar. 14, 1908
746	H. Gentry	Rio Virgin	Irrigation	10,000	Mar. 14, 1908
748	B. O. Throwl	Burbank Canyon	Irrigation	2,000	Feb. 25, 1908
750	A. E. Murphy, et al.	Massacre Lake	Irrigation	40,000	Aug. 1, 1908
752	Gohan G. Buzzetti	Gold Canyon Creek	Mining	150	Mar. 14, 1908
753	J. M. Cordray	Mariposa Creek	Milling	75,000	Mar. 14, 1908
756	Clark Drown	Stoddard Canyon Creek	Irrigation	2,000	Sept. 21, 1908
757	J. J. Regan	Hot Springs	Irrigation	200	Mar. 14, 1908
759	Verdi Lumber Company	Truckee River	Power	250,000	Mar. 9, 1908
760	A. D. Daniel	Sage Hen Creek	Reduction	59,000	Mar. 14, 1908
764	J. M. Cordray	Jet Creek	Power	50,000	Apr. 24, 1908
765	G. R. Hayden	Smith Creek	Irrigation	500	Mar. 15, 1908
768	C. Olmsted	Marshall Creek	Reduction	50,000	May 4, 1908
770	E. H. Savage	Rio Virgin	Irrigation	10,000	Mar. 3, 1908
771	Conrad Helms	White River	Irrigation	600	Sept. 21, 1908
772	C. R. Hayden	Jack's Springs	Irrigation	1,000	Sept. 1, 1908
774	T. Drew, et al.	Main Big Creek	Mining	1,100	June 11, 1908
778	S. Smith	Ferguson Springs	Power	75,000	Apr. 6, 1908
779	W. Johnston	Cyclone Springs	Irrigation	200	Nov. 21, 1908
780	J. Ryan	Amarogosa River	Stock	1,500	Mar. 15, 1908
781	Montgomery Shoshone Mines Company	Queen Canyon	Reduction	25,000	Sept. 21, 1908
783	J. B. Scott	Stone Cabin Springs	Irrigation	300	Sept. 21, 1908
784	J. L. Giroux	Save Home Springs	Mining	1,000	Aug. 1, 1908
785	R. H. Hingston	Jones Springs	Mining	300	Apr. 8, 1908
791	E. G. Dickenson	Ash Springs	Irrigation	200	Mar. 17, 1908
792	P. K. Smith		Milling	225	Sept. 21, 1908

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793	H. E. Dickenson	Red Rock	Irrigation	1,200	Mar. 25, 1908
794	E. C. Dickenson	Red Rock	Irrigation	1,200	Mar. 25, 1908
796	A. T. Johns, et al.	Stone House Creek	Milling	5,000	Sept. 21, 1908
797	P. Ryan	Ryth Springs	Stock	1,200	Sept. 2, 1908
798	J. Conway	Bain of Gilend Springs	Stock	15,000	Sept. 25, 1908
799	G. G. Davis	Cherry Creek	Power	1,200	Oct. 30, 1908
800	I. Morasco	Barrel Springs	Milling	1,200	Oct. 30, 1908
801	H. A. Agre	Wiseman Creek	Irrigation	1,000	Oct. 30, 1908
802	C. Olson	Osborn Spring	Stock	300	May 11, 1908
808	P. Hellman	Carlson River	Irrigation	1,000	Oct. 30, 1908
810	M. C. Britt	Bullion Springs	Domestic	2,000	Oct. 20, 1908
811	S. O. Kirkery	Lake	Irrigation	1,000	Sept. 21, 1908
813	Kirkely & Fox	Dry Creek	Irrigation	300	Sept. 21, 1908
814	Kirkely & Fox	Lincoln Canyon	Irrigation	1,200	Sept. 21, 1908
816	J. A. Miller, Jr.	Pine Creek	Power	130,000	Oct. 5, 1908
818	T. L. Oddie	Crane Canyon	Irrigation	5,000	Oct. 30, 1908
819	T. T. Oddie	Tuckers Creek	Irrigation	5,000	Oct. 30, 1908
820	T. L. Oddie	Widow Smiths Creek	Irrigation	5,000	Oct. 30, 1908
821	T. L. Oddie	Stephens Creek	Reduction	75,000	Oct. 30, 1908
825	H. R. Plate	Stephens Creek	Irrigation	1,500	June 30, 1908
828	Fly Water Company	Springs	Irrigation	600	Oct. 30, 1908
833	A. L. Murphy	New York Creek	Milling	1,500	Oct. 30, 1908
834	H. C. Briggs	Piermont Creek	Irrigation	200	Oct. 30, 1908
835	R. A. Millick	Seepage	Reduction	200	Oct. 30, 1908
836	W. H. Millick	Mabegany Creek	Irrigation	1,000	July 14, 1908
837	C. S. Wheeler	Mabegany Creek	Irrigation	200	July 14, 1908
838	C. S. Wheeler	Mabegany Creek	Irrigation	200	July 14, 1908
839	C. S. Wheeler	Snow Creek	Irrigation	500	July 14, 1908
840	C. S. Wheeler	Snow Creek	Irrigation	2,000	July 14, 1908
841	C. S. Wheeler	Donlin Creek	Irrigation	100,000	July 14, 1908
842	T. L. Oddie	Pine Creek	Power	1,000	Aug. 13, 1908
844	Wild Horse M. and M. Company	Cottonwood Creek	Power	300,000	May 26, 1908
852	E. H. Whitacre	Walker River	Power	400,000	June 3, 1908
853	C. S. Floyd & Company	Wild Horse Canyon	Milling	30,000	Oct. 30, 1908
854	Ch Tomono	Springs	Irrigation	200	Oct. 5, 1908
855	M. A. Jones	Shady Run Springs	Reduction	50,000	Oct. 13, 1908
856	D. G. Doubleday	Cassell Tomb Spring	Milling	2,000	Oct. 30, 1908
858	H. W. Lane	Springs	Power	15,000	Oct. 30, 1908
863	Valley V. M. Co.	Springs	Reduction	10,000	Oct. 30, 1908
871	J. W. Campbell	Springs	Milling	3,000	Oct. 30, 1908
874	R. W. Cannon	Springs	Mining	200	Oct. 30, 1908
876	R. W. Cannon	Rome Yard Creek	Power	5,000	Oct. 30, 1908
877	J. H. Sisson	Springs	Placer Mining	2,000	Oct. 30, 1908
880	W. Schmitter, et al.	Bonita Springs	Milling	1,000	Oct. 30, 1908
881	V. G. Shepherd	Mud Springs	Milling	2,000	Oct. 30, 1908

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PERMITS GRANTED—Continued.

No.	Name.	Stream.	Purpose.	Estimated Cost.	Approved.
889	Angello Depoall	Spring	Irrigation	700	Oct. 30, 1908
893	E. H. Francis, et al.	Sceptoe Creek	Domestic	100	Oct. 30, 1908
899	H. R. Plate	Cave and Steptoe	Reduction	50,000	June 30, 1908
905	Kly E. Company	Butcher Springs	Power	10,000	June 18, 1908
906	E. Johnson, et al.	Spring	Mining	300	Oct. 30, 1908
907	H. C. Sproule	Spring	Irrigation	200	Oct. 30, 1908
908	J. M. Moore	Salmon River	Milling	2,000	Oct. 30, 1908
909	A. V. Todd	Granite Springs	Power	250,000	June 15, 1908
913	D. Clarke	McDonald Spring	Mining	500	Oct. 30, 1908
916	J. Bernhart	Ervin Canyon	Milling	2,000	Oct. 30, 1908
923	P. Ervin	Plute Springs	Milling	2,000	Oct. 30, 1908
925	Lodi Mines Co.	Spring	Reduction	7,000	June 15, 1908
927	T. Campbell, et al.	Antelope Creek	Irrigation	50	Oct. 30, 1908
930	J. E. Thornton	Black Canyon Creek	Milling	5,000	Oct. 30, 1908
931	J. E. Thornton	Eldorado Canyon	Milling	10,000	Oct. 30, 1908
932	J. E. Thornton	Monte Christo Spring	Power	12,000	Oct. 30, 1908
933	W. J. Stewart	Spring	Milling	5,000	Oct. 30, 1908
938	G. J. Myers	Spring	Irrigation	1,500	Oct. 30, 1908
939	Rosedale M. Company	Morrison Creek	Mining	400	Oct. 30, 1908
942	David Morrison	Spring	Irrigation	1,200	Oct. 30, 1908
943	Henry Heidenreich	Little Creek	Milling	3,000	Oct. 30, 1908
945	G. E. Sharp, et al.	Bonita Spring	Milling	2,000	Oct. 30, 1908
947	F. E. Clark	Cordwood Creek	Milling	300	Oct. 30, 1908
952	Bedmark & Norton	Blind Spring	Irrigation	300	Oct. 30, 1908
956	Alice A. Tippett	Spring	Stock	100	Oct. 30, 1908
959	F. E. Clark	Spring	Irrigation	100	Oct. 30, 1908
960	F. E. Clark, et al.	Rock Creek	Domestic	100	Oct. 30, 1908
962	M. Christopher	Summit Creek	Milling	100	Oct. 30, 1908
969	P. W. Dargin	Deadman's Canyon	Milling	1,000	Oct. 30, 1908
967	Walker Lake Gold Mining and Milling Company	Willow Canyon	Milling	1,000	Aug. 6, 1908
968	Walker Lake Gold Mining and Milling Company	Salmon River	Power	5,000	Oct. 30, 1908
971	A. V. Todd	Cottonwood Creek	Reduction	300,000	Aug. 15, 1908
975	G. B. Clendenin	Lone Cabin Spring	Milling	600	Oct. 3, 1908
976	J. F. Gurney	Gem Canyon	Milling	5,000	Oct. 30, 1908
977	H. H. Shelden	Spring	Milling	1,000	Aug. 1, 1908
978	Wm. Henford	Burnt Canyon	Irrigation	50	Oct. 30, 1908
979	Ed. Sheppard, et al.	Start Creek	Milling	2,000	Oct. 30, 1908
979	E. C. Riddell	Start Creek	Irrigation	100	Oct. 30, 1908

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988	J. Bird	Spring	Milling	300	Oct. 30, 1908
991	Wm. Ryan	Spring	Irrigation	250	Oct. 30, 1908
993	H. W. Bruner	Willow Creek	Mining	200	Oct. 30, 1908
996	H. H. Corvell	Signal Creek	Irrigation	700	Oct. 30, 1908
999	P. W. Chase	Cottonwood Creek	Irrigation	75	Oct. 30, 1908
1043	J. E. Hayes, et al.	Salmon River	Irrigation	800,000	Nov. 30, 1908
1045	Goldfield Consolidated Water Company	Martin Spring	Domestic	15,000	Nov. 30, 1908
1069	Eureka Live Stock Company	Roberts Creek	Irrigation	2,000	Nov. 27, 1908
1085	R. A. Millick	Piermont Creek	Reduction	200,000	Nov. 30, 1908

APPLICATIONS DENIED, CANCELED, AND WITHDRAWN.

1907.		1908.	
January	5	January	4
February	3	February	4
March	2	March	12
April	5	April	14
May	16	May	13
June	9	June	3
July	13	July	11
August	7	August	50
September	1	September	53
October	0	October	42
November	2	November	2
December	1	December	0
Total for 1907	64	Total for 1908	208

DISTRIBUTION OF WATER.

In the spring of 1907, owing to the heavy snows and prevailing rains, the three western rivers of the State having their sources on the eastern slope of the Sierra Nevada Mountains were augmented by an unusual volume of flood waters.

It was approximately estimated that the flow of the Truckee River itself was 25,000 second-feet, or five times the volume of the usual maximum flow during the flood season; and the same relative conditions prevailed on both the Carson and Walker Rivers.

At this time, there being an ample and abundant water supply for all consumers in this section of the State, no Water Commissioners were appointed by the State Board of Irrigation.

However, this abundance of flood waters did not exist on the Muddy River, in Lincoln County, where the supply is principally from flowing springs, and the maximum volume thereof rarely exceeds 200 second-feet. All the water of this river being fully appropriated, and a shortage thereof occurring, it became expedient in the summer of 1907 to appoint a Water Commissioner to control and regulate the volume according to established priorities, thus insuring to those entitled thereto an equable pro rata of the supply.

Pursuant to the provisions of law, upon the receipt of petitions signed by a sufficient number of consumers praying for the appointment of Water Commissioners, this office refers the same, with necessary recommendations, to the State Board for summary action.

The following were appointed Commissioners:

Mr. S. A. Angell, for Water District No. 5, embracing lands irrigated from the Muddy River, who served for the season of 1907.

Mr. Frederick A. Hussman and Mr. Frederick Hanson, for Water District No. 1, embracing lands irrigated from the East Carson, who served during the months of July, August, and September, 1908.

Mr. H. H. Allerman, for Water District No. 2, embracing lands irrigated by the West Carson River, who served for the season of 1908.

Mr. Martin Canonica was appointed Water Commissioner on August 11, 1908, to allot and apportion the water of Genoa Creek, and to serve as assistant for Mr. Allerman in District No. 2.

Mr. Ute V. Perkins, for Water District No. 5, embracing the lands irrigated by the Muddy River, who served during the season of 1908.

These men rendered effective and valuable service to their respective

communities by regulating and controlling the quantity of water taken into each ditch, apportioning the stream into a limited number of ditches and allotting to each user a full head of water in the sequence of priority, instead of allowing the stream to be segregated and separated through a number of ditches without sufficient head or quantity to satisfactorily irrigate the land.

In the latter part of July, 1908, complaint was made to the State Engineer that the waters of the Humboldt River in Lovelock Valley were not being used in accordance with the decrees of courts of competent jurisdiction. Upon investigation it was found that owing to conflicting measurements the lower appropriators were not receiving the volume permitted by such judicial adjudications.

As the priorities of vested rights have not been fully determined, it was found necessary to prepare in tabulated forms a partial statement of the claims of users who had filed proofs of appropriation in accordance with the irrigation law, in order that the Water Commissioners might have data upon which to equitably apportion the stream.

Mr. John Ellis was appointed Water Commissioner for District No. 1, embracing lands irrigated by the Humboldt River, and rendered excellent service in this capacity.

The compensation allowed Water Commissioners by the Board of Irrigation is five dollars per diem, which includes hire of saddle horse.

GAGING OF STREAMS.

In August, 1907, the Director of the Geological Survey appointed the State Engineer Field Hydrographer for Nevada, and in that capacity he had to some extent charge of the stream-gaging stations in the State for the Geological Survey. No compensation was allowed for this service, but the State Engineer received from the United States Geological Survey his actual subsistence per diem when away from his office, during the months of April to October, inclusive.

During 1907, and up to June 30, 1908, stream-gaging stations were maintained as previously stated in this report, with the exception of the Muddy River, which was discontinued in 1906.

After considerable correspondence with Mr. E. C. La Rue, District Hydrographer for Utah, Nevada, and Idaho, it was deemed advisable that this office discontinue its connection with the United States Geological Survey, as sufficient funds were not available in this office, nor through the office of the United States Geological Survey, for the further maintenance of this valuable department. Consequently no regular measurements of rivers have been taken in this State since June 30, 1908. Subsequent measurements of rivers, creeks and ditches, numbering 210, have been taken by the office as required, the records of which are on file.

THE TRUCKEE-CARSON RECLAMATION PROJECT.

It is of paramount importance to prospective homeseekers to know that the Truckee-Carson Reclamation Project, constructed by the United States Government, has reclaimed an area of 100,000 acres of arid lands situated in the Carson Basin; and there has been expended up to the present time the amount of \$3,951,000 in the construction of this, the initial project of the Government.

At the present time water rights have been sold for approximately

40,000 acres of land, and the demand for new land is increasing to an encouraging extent. There are approximately 400 families residing on farms under cultivation, where there were but 72 farms in this valley three years ago.

Ditches are now constructed to deliver water to approximately 100,000 acres of land, 40,000 acres of which are already taken, the remaining 60,000 acres being unsettled. Of this, 50,000 acres are held in railroad and private ownership, the remaining 10,000 acres in Government ownership.

The best of the Government lands are now homesteaded, although a number of acres of desirable lands remain open for entry.

At the request of the Reclamation Service, this office has secured proofs of appropriation to vested water rights in the Lower Carson River, a tabulated statement of which is herewith given:

LIST OF ORIGINAL WATER USERS OWNING VESTED WATER RIGHTS SETTLED BY AGREEMENT WITH THE TRUCKEE-CARSON RECLAMATION PROJECT.

Owner.	Acres.	Proofs Filed.
Allen, Chas. L.	224	Not received
Allen, Lemuel	680	June 9, 1908
Barger, Chas. C.	8	Not received
Beeghly, Calvin M.	302	Not received
Brander, Samuel A.	160	Apr. 10, 1908
Brown, Barbara, et al.	152	Not received
Burton, G. E.	62	Aug. 22, 1908
Cirac, Chas. P.	70	Apr. 27, 1908
Cushman, J. J. and Elizabeth	390	Apr. 30, 1908
Cushman, R. D.	85	Not received
Dalton, Fred A.	118	Not received
Danielson, May V., J. W. and J. E.	296	Not received
Danielson, J. E.	54	Not received
Dempsey, Geo. L.	12	Not received
Dolf, Thos.	342	May 27, 1908
Douglass, R. L.	2,640	Not received
Downs, Lewis L.	18	Not received
Drummond, Charlotte	5	May 16, 1907
Drummond, T. R.	123	Not received
Dunbar, Edward F.	4	Not received
Ernst, Geo. D.	200	Not received
Ferguson, A. L.	10	Not received
Ferguson, John B.	45	Not received
Ferguson, Elizabeth, et al.	246	May 6, 1908
Ferguson, John W.	68	Apr. 28, 1908
Ferguson, Ella	17	May 29, 1908
Frazier, Wm. E.	150	Not received
Galloway, Robert	4	May 27, 1908
Gates, Herbert W.	13	Not received
Hardy, Lewis, et al.	113	Not received
Harmon, William A.	170	June 17, 1908
Harrigan, Frances A.	33	Nov. 25, 1908
Harriman, Edwin S.	145.2	June 24, 1908
Heppner, Albert H.	285	Not received
Huben, G. W. and Toomy, Thos.	155	Apr. 15, 1908
Inman, F. W.	40	Apr. 18, 1908
Jeffrey, Jessie H.	68	May 27, 1908
Johnson, Chas. F.	40	June 29, 1908

Owner.	Acres.	Proofs Filed.
Johnson, Wm. R.	30	Not received
Kaiser, Wm. F.	75	June 16, 1908
Krummes, Alice	10	Not received
Larson, Wm. A.	57	June 2, 1908
Lee, D. A.	30	Not received
Lee, W. R. & Son.	320	Apr. 23, 1908
Leet, James	54	June 24, 1908
Leet, Oswald J.	76	June 26, 1908
Lofthouse, Jas. C.	250	Not received
Mitchell, Geo. H.	55	May 18, 1908
Morrison, Morton	20	Not received
Murphy, Wm.	160.95	Apr. 21, 1908
Oar, Frank	55	May 29, 1908
Owings, G. W.	8	Not received
Peterson, Frank G.	67	Not received
Petree, Thos. J.	23	June 24, 1908
Phillips, H. W., W. A., and Gibbs, Frank E.	219	Not received
Seekt, Herman	21	Not received
Sifford, Wm. H.	300	Not received
Smith, Edgar C.	40	July 27, 1908
Spooner, Jason	60	Not received
Taylor, C. V. and I. A.	105	Mar. 31, 1908
Theelan, Rachel, et al.	250	June 12, 1908
Toomy, Thos. R.	280	Not received
Trolson, A. M.	73	May 20, 1908
Van Drielen, Thos. E.	133	Not received
Vaughan, Roger C.	5	Not received
Verplank, J. B.	10	Not received
Whitney, Chas. P.	67	June 15, 1908
Williams, Wm. R.	183	Not received
Williams, Warren W.	600	Not received

LIST OF VESTED WATER RIGHTS NOT SETTLED (JANUARY 1, 1907) BY AGREEMENT WITH UNITED STATES TRUCKEE-CARSON RECLAMATION PROJECT.

Owner.	Acres.	Proofs Filed.
Bailey, John A.	245	May 20, 1908
Bristol, James	10	Not received
Eason, J., and Oats, J.	240	May 20, 1908
Freeman Co., The J. W.	1,500	Not received
Grimes, W. C.	850	June 17, 1908
Kent, I. H.	1,214	Not received
Krummes, Sam.	140	Not received
Markwell, P. T.	129	Not received
McLane, H. F.	70	Aug. 22, 1908
Mills, C. E.	170	July 3, 1908
Oats, John	170	May 16, 1908
Smart, S. B.	170	June 10, 1908
Verplank, C. W.	30	Not received
Wightman, Chas.	292	Apr. 17, 1908
Wightman, Fred, and Downs, L.L.	1,160	Not received

PROPOSED PROJECT OF NEVADA-UTAH DEVELOPMENT COMPANY
LINCOLN COUNTY, NEVADA.

The lands of the proposed reclamation project of the Nevada-Utah Irrigation Development Company are situated in Township 13 and 14 south, Range 65 and 66 east, Lincoln County, State of Nevada, and

embrace an acreage of 23,643.79 acres of rich alluvial soil. The above-named company proposes to reclaim this acreage under the provisions of "The Carey Act," passed by Congress in 1894, the purposes of said act being "to aid the public land States in the reclamation of the desert lands therein."

By the terms of this act each of the arid States of the West and Northwest could have segregated and withdrawn from public entry a total of 1,000,000 acres of government lands lying within its borders, necessary representations having been made to the Honorable Secretary of the Interior to the effect that the State was in a position to assure the Federal Government that the necessary diversion works would be constructed for the irrigation and reclamation of lands applied for segregation.

The above-named company, by proper application through the State of Nevada, has had this tract of land withdrawn from public entry, and the same will be held for a period of ten years, with five more years if necessary, for reclamation by irrigation, and subject to selection and entry under the provisions of said Act of Congress.

The settler desiring to file upon land under the provisions of "The Carey Act" must first purchase a water right from the construction company (or enter into a contract to do so) for sufficient water to irrigate all the lands he intends to file upon, at the contract price per acre agreed upon between the State and the construction company.

The different "Carey Act" enterprises throughout the Western States have various prices and terms of payment for water rights, varying in accordance with cost of construction, soil, climate, and location.

Neither the United States nor the State of Nevada makes any charge for the lands thus segregated. The lands selected for entries must be taken in legal subdivisions of not less than forty nor more than one hundred and sixty acres.

The source of water supply for the project will be obtained from the watershed tributary and contiguous to Pahranaagat Valley, Pahranaagat and Mainard Lakes, and the intervening valley known as Muddy River Wash, between said lakes and the reservoir of said company, a distance of about twenty miles, comprising in all a total watershed area of approximately one hundred and fifty square miles.

These lakes have been appropriated by said company as conserving and storage reservoirs, to be used as feeders for its main reservoir when the waters thereof are required; the only outlet to this watershed being through a narrow and precipitous canyon, one and one-half miles in length and of a minimum width of from eighteen to forty feet on the bottom, the sides being almost perpendicular and rising to a height of approximately four hundred feet.

The proposed dam will be 185 feet high, and the span across the canyon at the top will be 62 feet wide; the base of the structure 22 feet wide on bottom.

The structure will be built of concrete, curving convexly toward the reservoir, and having a high factor of safety in order to eliminate the possibility of failure or weakness due to pressure, and to fully protect the lives and property of settlers and the railroad situated in the valley below. The type of dam will be similar in design to those now in process of construction by the Reclamation Service of the Government.

The proposed reservoir covers an area of three and one-half square

miles, and will impound a body of water approximating 110,000 acre-feet. It is proposed by the above-named company to reclaim 55,000 acres of land on the basis of two acre-feet per acre per annum to irrigate the same.

The main line of the San Pedro, Los Angeles and Salt Lake Railway traverses this project for a distance of some twelve miles.

LONG VALLEY IRRIGATION DEVELOPMENT COMPANY.

A corporation known as the Long Valley Irrigation Development Company has recently acquired by purchase from the State of Nevada about 23,000 acres of land, situated in the northern portion of Washoe County, which they propose to irrigate from the waters of Massacre, Middle, and Western Lakes.

A reservoir site has also been purchased which will contain when completed approximately 15,000 acre-feet of water. This will be supplied by means of flood and storm waters which overflow the above-named lakes. Engineers are now in the field preparing the preliminary data and locating the legal subdivisions of land.

WELLS RECLAMATION PROJECT.

A private irrigation project financed by Eastern capitalists proposes to utilize certain lands in the vicinity of Wells, Nevada, for reclamation purposes. It is proposed to conserve and impound the flood waters of Bishop Creek by the construction of reservoirs, thereby making possible the reclamation of 100,000 acres of arid lands now owned partly by railroad, government and private ownership. This project is still in its incipency, and the plans thereof have not yet been brought to a well-defined state.

STATE IMPROVEMENTS CONSTRUCTED UNDER THE SUPERVISION OF THE STATE ENGINEER'S OFFICE.

In 1907, at the request of the State Board of Capitol Commissioners, surveys and investigations of the State water supply were made by this office, the plan of which was for the development and enlargement, with the idea in view of developing and improving the service; increasing if possible, by the enlargement thereof, the pressure and volume of water for the State supply.

To this end plans and specifications were prepared and submitted to the Board for consideration.

A contract was let providing for the construction of a concrete reservoir 100 feet long, 50 feet wide, and 10 feet in depth, having a capacity of 500,000 gallons. The reservoir was so designed and divided into compartments that either side could be closed and still maintain an abundant supply of water for domestic, fire, and other purposes.

In addition to the construction of the main reservoir, a smaller reservoir was constructed in Veasey Canyon which served as a filter and settling tank for the main and lower reservoir.

In connection with this work, 5,000 feet of 8-inch "Converse" lock-joint pipe was laid towards the City of Carson for the purpose of augmenting and increasing the pressure.

The water now supplied the State buildings is thoroughly filtered, pure, clear, and of the best quality.

Plans and specifications were also prepared by this office for the construction of a power plant, laundry, cold-storage plant, and an

electric lighting system for the Nevada Hospital for Mental Diseases at Reno, all of which have been installed and are now in successful operation.

ASSISTANT STATE ENGINEER.

Mr. B. E. Corlett served as Assistant State Engineer from January 1, 1905, to July 1, 1905.

Mr. Claude L. Smith served as Assistant State Engineer from July 1, 1905, to November 1, 1906.

Mr. Thomas A. Lotz served as Assistant State Engineer from November 22, 1906, to April 1, 1907.

Mr. John R. Van Nagell served as Assistant State Engineer from April 1, 1907, to the present time.

DISBURSEMENTS OF STATE ENGINEER'S OFFICE FOR 1907 AND 1908.

Owing to the greatly increased and heavy volume of business transacted through the office of the State Engineer for the years 1907 and 1908, and also to the fact that acceptance of free transportation from the railroads was prohibited by law, a heavy additional expense was incurred for transportation on railroads throughout the State.

It can be readily seen that such expense reduced the original appropriation of \$15,000 to approximately \$12,000, making necessary the observance of the utmost economy in the administration of the office, so that work could be properly continued to the end of the year 1908.

Herewith is appended a statement of the expenditures of the State Engineer's office for the years 1907 and 1908.

EXPENDITURES OF STATE ENGINEER'S OFFICE DURING 1907-1908.

Months.	Transportation.	Office expenses.	Services.	Totals.
<i>1907.</i>				
January.....	\$59.35	\$58.45	\$300.00	\$417.80
February.....	128.45	93.25	300.00	522.30
March.....	120.65	74.00	350.00	544.65
April.....	218.90	77.60	350.00	646.50
May.....	147.50	132.50	350.00	630.00
June.....	170.90	183.40	350.00	704.30
July.....	254.80	73.35	350.00	678.15
August.....	265.73	188.20	350.00	803.93
September.....	248.45	92.00	350.00	690.45
October.....	130.23	101.00	350.00	581.23
November.....	91.90	117.10	350.00	559.00
December.....	229.90	102.25	350.00	682.15
Total for 1907.....	\$2,066.76	\$1,293.70	\$4,100.00	\$7,460.46
<i>1908.</i>				
January.....	\$49.00	\$140.50	\$350.00	\$539.50
February.....	70.85	86.30	350.00	507.15
March.....	237.05	231.60	350.00	818.65
April.....	219.20	89.50	350.00	658.70
May.....	185.25	114.20	350.00	649.45
June.....	157.60	175.05	350.00	682.65
July.....	173.75	78.70	350.00	602.45
August.....	96.40	152.00	350.00	598.40
September.....	134.10	93.10	350.00	577.20
October.....	149.00	82.50	350.00	581.50
November.....	144.40	78.30	350.00	572.70
December.....	80.50	320.69	350.00	751.19
Total for 1908.....	\$1,697.10	\$1,642.44	\$4,200.00	\$7,539.54

RECOMMENDATIONS CONCERNING NEW LEGISLATION.

It is respectfully recommended that Section 8 of the Irrigation Law, approved February 26, 1907, be amended to read as follows:

and shall receive a salary not exceeding thirty-six hundred dollars (\$3,600) per annum, payable, etc.

It is respectfully recommended that Section 11 be amended to read as follows:

The State Engineer shall have power to employ one Assistant Engineer at a salary of twenty-four hundred dollars (\$2,400) per annum, payable in equal monthly installments; two stenographers and one clerk at a salary of nine hundred dollars (\$900) per annum each, payable in equal monthly installments; three Field Engineers at a salary of one hundred and fifty dollars (\$150) per month each; and nine field men, at a compensation not exceeding two dollars and fifty cents (\$2.50) per diem.

It is respectfully recommended that Section 12 be amended to read as follows:

When the State Engineer, the Assistant Engineer, Field Engineers or field men are called away from the office in the performance of their duties, they shall be entitled to their actual traveling and other expenses, which shall be paid out of any money appropriated for the maintenance of the office, on the certificate of the State Engineer, approved by the State Board of Examiners.

It is respectfully recommended that the office of the State Engineer be placed upon a fee basis for the services rendered, and that the moneys collected therefrom be deposited with the State Treasurer once a week to the credit of the General Fund. The fees to be charged shall be as follows:

(1) For filing application for permit, \$25, which shall include the expense of publication and issuance of permit, if the same shall issue, and such expense of publication shall be fixed by law in the sum of ten (\$10) dollars.

(2) For filing proof of beneficial use, \$2, which shall include certificate therefor, if the same shall issue.

(3) For filing each transfer, agreement, assignment, deed, affidavit other than proofs of appropriation, or other papers, \$1.

The reasons why this recommendation is made are many, some of which are:

The functions of this office are to conserve and protect the private rights of individuals in the appropriation and use of the public waters, and in the past, no matter how valuable these private rights may have been, this State has paid all expense for the maintenance and operation of this office.

All Western States have adopted a fee basis under irrigation laws. If objection could be made to this feature, objections could be made with equal propriety to the provisions of law requiring payment by individuals for filing deeds with County Recorders or suits with County Clerks, as prescribed by law.

This suggestion would not operate harshly upon applicants for appro-

priation of water nor upon others having business with this office, for the proposed fees would be such as would only pay for the services rendered in insuring these valuable rights to individuals.

Moreover, by the enactment of this system it could be truly said that the policy of this State is to treat all citizens alike, and that when any class of citizens desire services rendered by the State they would be required by law to pay the value of the same, and not, as is now legally permissible in this office, be receiving services so valuable in themselves without charge.

In view of the fact that the business of this office has increased over four hundred per cent during the past two years, and is still increasing, it is respectfully recommended that there be appropriated for conducting this office during the years 1909 and 1910, according to the lines laid down, the sum of thirty thousand dollars (\$30,000), to be apportioned as follows: \$2,500 for maintenance of stream-gaging stations, ditches and rivers; \$2,500 for determination of priorities on the Truckee River; \$5,000 for determination of priorities on the Humboldt and Rio Virgin Rivers; \$20,000 for current office and field work.

It is lastly respectfully recommended that appropriate legislation be had requiring all persons, associations, or corporations who now divert or may hereafter divert waters from the public streams of this State to erect and maintain measuring weirs of a standard and according to plans provided by the State Engineer at the points of supply thereof, and that upon failure so to do such person, association, or corporation shall be guilty of a misdemeanor, and upon conviction thereof shall be punished by fine or imprisonment, or both.

CONCLUSION.

This report may seem to be of unusual length, yet many details have been omitted which might detract from the importance of the matters included.

From the interest displayed in the conduct and operation of the State Engineer's office by appropriators and the people at large, and the finality with which the rulings of the State Engineer have been acquiesced in, together with the increase of the business of the office, it is evident that this department has become a factor throughout the State and an inestimable benefit to all.

It is an acknowledged fact that upon the lands of this State there can be successfully cultivated an abundance and variety of grains, fruits, and garden vegetables, and that it is not so much the supply of water as the equitable distribution thereof without surplus waste that is the main question to be considered; and this equitable distribution has been and is the policy of the State Engineer, thus diverting any surplus which would be otherwise wasted to new appropriators and at the same time protecting the many without injury to the few. This increase of appropriators naturally means an increase of production throughout the entire State.

By legislative enactment, mines and the mining industry has been designated as a public interest, which is highly proper; yet with equal propriety can it be stated that the Legislature should give due and favorable consideration to the agricultural possibilities of the State by providing through suitable laws that the State Engineer shall be given

all necessary assistance to conserve surplus waste and to equably distribute the waters of the State among the many applicants therefor.

The productions of the farms of the State are permanent and stable, and we need no argument to be convinced that the land with prosperous farmers is the land that will endure.

PROPERTY OF
NEVADA STATE ENGINEER

APPENDIX

STATE IRRIGATION ACT OF 1903, AS AMENDED 1907.

An Act to provide for the appropriation, distribution and use of water, and to define and preserve existing water rights, to provide for the appointment of a State Engineer, an Assistant State Engineer, and fixing their compensation, duties and powers, defining the duties of the State Board of Irrigation, providing for appointment of Water Commissioners and defining their duties.

Approved February 26, 1907—Statutes 1907, p. 30.

Appropriation of Certain Waters for Public Use.

SECTION 1. All natural watercourses and natural lakes, and the waters thereof which are not held in private ownership, belong to the State and are subject to appropriation for beneficial uses.

Existing Rights To Be Respected.

SEC. 2. All existing rights to the use of water, whether acquired by appropriation, or otherwise, shall be respected and preserved, and nothing in this Act shall be construed as enlarging, abridging or restricting such rights.

None but Usufructuary Rights To Be Acquired.

SEC. 3. There is no absolute property in the waters of a natural watercourse or natural lake. No right can be acquired to such waters, except an usufructuary right—the right to use it, or to dispose of its use for a beneficial purpose. When the necessity for the use of water does not exist, the right to divert it ceases, and no person shall be permitted to divert or use the waters of a natural watercourse or lake, except at such times as the water is required for a beneficial purpose.

No Waste of Water Permitted.

SEC. 4. No person shall be permitted to divert or use any more of the waters of a natural watercourse or natural lake than sufficient, when properly and economically used, to answer the purpose for which the diversion is made; nor shall any person be permitted to waste any such water, and all surface water remaining after use, unavoidable wastage excepted, shall be returned to the channel by the persons diverting the same, without unreasonable delay or detention.

Maximum Quantity Named.

SEC. 5. The maximum quantity of water which may hereafter be appropriated for irrigation purposes in the State of Nevada shall not exceed three acre-feet per year for each acre of land supplied.

Standard of Measurement.

SEC. 6. In all measurements of water in this State a cubic foot of water per second of time shall be the standard of measurement.

Prior Right, How Acquired.

SEC. 7. The prior right to the use of the unappropriated waters of the natural watercourses and natural lakes, as defined in this Act, may be acquired in the manner provided in this Act, and not otherwise.

Office of State Engineer Created—Salary, Duties and Qualifications.

SEC. 8. The office of State Engineer is hereby created. He shall be appointed by the Governor, and shall receive a salary not exceeding twenty-four hundred (\$2,400) dollars per annum, payable in equal monthly installments by the State Treasurer upon warrants drawn by the State Controller. He shall keep his office at the State Capitol. No person shall be appointed as such State Engineer who does not have such training in hydraulic engineering and such practical skill and experience as shall fit him for the position. He shall hold his office at the pleasure of the Governor, but his successor shall, in all cases, have the foregoing qualifications and recommendations.

Oath and Bond of State Engineer.

SEC. 9. Before entering upon the duties of his office the State Engineer shall take and subscribe an official oath, such as is provided by law for State officers, before some officer authorized by the law of the State to administer oaths, and shall file with the Secretary of State said oath and his official bond in the penal sum of five thousand dollars, with not less than two sureties, to be approved by the Governor of the State, and conditioned for the faithful discharge of his official duties, and for the delivery to his successor, or other person appointed by the Governor to receive the same, all moneys, books, and other property belonging to the State then in his hands and under his control, or with which he may be chargeable as such officer.

Further Duties of State Engineer.

SEC. 10. The State Engineer shall perform such duties as are prescribed herein. He shall become conversant with the State and the needs of the State as to irrigation matters, and in his reports to the Governor he shall make such suggestions as to the amendment of existing laws, or the enactment of new laws, as his information and experience shall suggest; and he shall keep in his office full and proper records of his work, observations and calculations; all of which shall be the property of the State. He shall cooperate with the Secretary of the Interior in all work of construction, operation, maintenance and management of irrigation works constructed by the Secretary of the Interior in and for the benefit of Nevada, under an Act of Congress of the United States, approved June 17, 1902, entitled "An Act appropriating the receipts from the sale and disposal of public lands in certain States and Territories to the construction of irrigation works for the reclamation of arid lands," and shall in every way facilitate the work of the Secretary of the Interior in carrying out the provisions of said Act in the State of Nevada.

Assistant State Engineer—Salary—Other Assistants.

SEC. 11. The State Engineer shall have the power to employ one Assistant Engineer at a salary not to exceed \$1,800 per annum, and to employ other assistants at a total additional expense not to exceed \$1,000 per annum; such Assistant Engineers and such additional assistants to be paid out of the money appropriated for that purpose, on the certificate of the State Engineer and the approval of the State Board of Examiners. He may also appoint as Assistant Engineers and as additional assistants such persons in the service of the United States Geological Survey as may be designated by the Secretary of the Interior, or the Director of the United States Geological Survey; but such

Assistant Engineers and such additional assistants shall be entitled to no compensation from the State of Nevada and no expense shall be incurred therefor, except as hereinbefore provided.

Expenses of State Engineer and Assistant.

SEC. 12. When the State Engineer, or his Assistant Engineer, is called away from his office he shall be entitled to his actual traveling expenses, which shall be paid out of any money appropriated for that purpose, on the certificate of said State Engineer approved by the State Board of Examiners.

To Make Reports.

SEC. 13. The State Engineer shall prepare and render to the Governor, biennially, and oftener if required, full and true reports of his work, touching all the matters and duties devolving upon him by virtue of his office, which report shall be delivered to the Governor on or before the 31st day of December of the year preceding the regular session of the Legislature.

Method of Appropriation—What Statement Must Include.

SEC. 14. Such State Engineer shall prepare for each stream in the State of Nevada a list of the appropriations of water according to priority, and in order to make such list, he shall enclose to each person having a claim to the waters of such stream a blank form, on which said claimants shall present in writing all the particulars showing the amounts and dates of appropriations to the use of water of said stream to which he lays claim; the said statement to include the following:

His best information concerning:

The name and address of the claimant.

The nature of the use on which the claim for an appropriation is based.

The time of the commencement of such use, and if distributing works are required.

The year of beginning of survey.

The year of beginning of construction.

The year when completed.

The year of beginning and completion of enlargements.

The dimensions of the ditch as originally constructed and as enlarged.

The year when water was first used for irrigation or other beneficial purposes, and if used for irrigation, the amount of land reclaimed or irrigated the first year; the amount in subsequent years, with the dates of reclamation, and the amount of land such ditch is capable of irrigating. The character of the soil and the kind of crops cultivated, and such other facts as will show a compliance with the law in acquiring the appropriation and the rank of priority claimed.

Oath of Claimants.

SEC. 15. Each of said claimants shall be required to certify to his statements under oath, and any officer authorized to administer oaths is hereby authorized to administer such oaths.

Claimant Must Make Statement Within Ninety Days.

SEC. 16. The failure of any claimant to make such a sworn statement within ninety days after notice that such statement is required by

the State Engineer, shall be punishable as a misdemeanor on the complaint of the State Engineer or any of his assistants.

Method of Determining Lands Susceptible of Irrigation.

SEC. 17. It shall be the duty of the State Engineer, or some qualified assistant, as soon as practicable, to make an examination of such stream and the works diverting therefrom, said examination to include the measurements of the discharge of said stream unless adequate proof is available from the measurements made by the United States Government, and of the carrying capacity of the various ditches and canals diverting water therefrom; an examination of the irrigated lands, and an approximate measurement of the lands irrigated, or susceptible of irrigation, from the various ditches and canals, which said observations and measurements shall be reduced to writing, and made a matter of record in his office, and it shall be the duty of the State Engineer to make or cause to be made a map or plat, on a scale of not less than one inch to the mile, showing, with substantial accuracy, the course of said stream, the location of each ditch or canal diverting water therefrom, and the legal subdivisions of lands which have been irrigated or which are susceptible of irrigation from the ditches and canals already constructed. In performing such work the State Engineer or his assistant may avail himself of the works, records and information of the United State Geological Survey.

State Engineer To Issue Certificate Giving Names, etc., of Appropriators.

SEC. 18. Within thirty days after the preparation of the list of priorities of appropriation of the use of waters of any stream, it shall be the duty of the State Engineer to issue to each person, association or corporation, represented in such list, a certificate to be signed by the State Engineer, setting forth the name and postoffice address of the appropriator, the priority number of such appropriation, the amount of water appropriated and the amount of prior appropriations, and if such appropriations be for irrigation, a description of the legal subdivisions of the lands to which said water is to be applied. And he shall also send such certified list, by registered mail, to the County Recorder of the county in which such appropriations shall have been made, as well as to the County Recorder of the county in which the waters appropriated are used, and it shall be the duty of said County Recorder, within ten days after the receipt of such certificate, to record the same in a book specially prepared and kept for that purpose, and the fee for such record shall be fixed by the Governor, and shall be allowed and paid by the Board of Examiners out of funds in the treasury applicable thereto.

Aggrieved Parties May Bring Action.

SEC. 19. Any party, or number of parties acting jointly, who may feel themselves aggrieved by the determination of the State Engineer, may bring an action in any court having jurisdiction against such State Engineer and all persons having interests adverse to the party or parties bringing the action, to have their respective rights determined. Such action must be brought within one year after the record of such list of priorities of appropriation has been recorded. Such action shall be tried as speedily as possible, and the court is hereby authorized to employ a hydraulic engineer or other expert to examine and make report under oath upon any subject-matter in controversy,

the cost of such employment to be equitably apportioned by the Court and charged against the parties to the suit as costs.

Water Commissioners To Apportion Water.

SEC. 20. The Water Commissioners hereafter provided shall make apportionment of the waters of such stream according to the list of priorities recorded as aforesaid, unless such list be corrected by the judgment of some court having jurisdiction of the subject-matter.

State Engineer a Member and Secretary of State Board of Irrigation.

SEC. 21. The State Engineer shall be a member of the State Board of Irrigation created by an Act of the Legislature of the State of Nevada, approved March 16, 1901, entitled "An Act to provide for the measurement of streams, the survey of reservoir sites, the determination of irrigation possibilities, and for the best methods of controlling and utilizing the water resources of the State of Nevada in cooperation with the United States Geological Survey and the United States Department of Agriculture, and the Nevada Experiment Station." The said State Engineer shall be the Secretary of said Board of Irrigation, and shall keep the record thereof in his office.

Powers and Duties of Said Board.

SEC. 22. The said Board of Irrigation shall divide the State of Nevada into such water divisions or water districts as seem to it advisable, and may change the same from time to time. It may appoint Water Commissioners, whose duty it shall be to measure and divide amongst the appropriators the water of such streams according to priority of right and the amount to which each is entitled. It may make such rules and regulations as it shall deem advisable for the proper and economical administration of the waters of such streams.

Number and Compensation of Water Commissioners.

SEC. 23. The Board of Irrigation shall determine the number and compensation of the Water Commissioners appointed under this Act, and said Water Commissioners shall be and act under the direction of the State Engineer. The compensation of said Water Commissioners shall be paid, upon the approval of the Board of Irrigation, by the county in which the work of such Commissioners is performed, in the same manner as other county bills are presented and allowed.

Appropriators To Obtain Permission from State Engineer - Application To Contain - Certain Conditions.

SEC. 24. Any person, association or corporation desiring to appropriate any of the public waters, or to change the place of diversion or manner of use of water now appropriated, shall before performing any work in connection with such appropriation make an application to the State Engineer for permission to make the same. Said application shall set forth the name and postoffice address of the applicant, the source from which said appropriation shall be made, the amount thereof, location of proposed works in connection therewith, the purpose for which the appropriation is desired, and if for irrigation a description of the land to be irrigated and the area thereof, and any additional facts required by the State Engineer. On receipt of this application, which shall be of a form prescribed by the State Engineer and to be furnished by him without cost to the applicant, it shall be his duty to make a record thereof in his office, and to carefully examine

the same to ascertain whether it sets forth all facts necessary to determine the nature and amount of the proposed appropriation. If the application be defective it shall be the duty of the State Engineer to return the same to the applicant for correction, and sixty days shall be allowed for the refile thereof. If refiled, corrected in proper form, within such time, the application shall, upon being accepted, take priority as of date of original filing subject to compliance with the further provisions of the law and the regulations thereunder.

Publication, When Necessary—Vested Rights Never To Be Lost.

SEC. 25. If not corrected as required, no further proceedings shall be had on such application, but when filed in compliance with this Act, the State Engineer shall within thirty days at the expense of the applicant, to be paid in advance, publish or cause to be published in some newspaper having a general circulation within the boundaries of the river system or water system or water source from which said appropriation is to be made, a notice of the application, showing by whom made; the quantity of water sought to be appropriated; the stream from which the appropriation is to be made, and at what point on the stream; the use for which it is to be appropriated, and by what means, which notice shall be published once a week for four weeks. Any person, corporation or association interested may at any time within thirty days after completion of the publication of said notice, file with the State Engineer a written protest against the granting of said application, stating the reasons therefor, which shall be duly considered by said Engineer. He may, in his discretion, hear evidence in support of or against such application and shall take such action thereon as he may deem proper and just. But vested rights to the use of such waters shall in nowise be lost, prejudiced or impaired by failure to protest against an application to appropriate the same under this Act.

State Engineer To Refuse Application, When—To Approve Application, When.

SEC. 26. If there is no unappropriated water in the source of supply or if such change of place of diversion or manner of use will in any substantial way invade or impair the rights of other appropriators the State Engineer shall refuse such appropriation, endorse his refusal upon the application, make a record of his refusal and endorsement in his office, and return the application so endorsed to the applicant, who shall not prosecute the work under his application so long as such refusal shall be in force, under penalty of being deemed guilty of and punished for a misdemeanor. If there is unappropriated water in the source of supply named and the appropriation is not detrimental to the public welfare or the proposed change of place of diversion and manner of use will not invade or impair the rights of other appropriators, the State Engineer shall approve the application and set a date prior to which work of diversion and appropriation must be begun and a date prior to which such work must be completed, endorse such approval upon the application, make a record of such approval and endorsement in his office, and return the application so endorsed to the applicant, who shall, on receipt thereof, be authorized to take such measures as may be necessary to perfect such appropriation; *provided, however,* that the State Engineer may approve an application for a less amount of water than that named in the application. Any person changing his place of diver-

sion or manner of use as specified in this Act shall not thereby lose any priority of right upon the stream he may have heretofore acquired.

Aggrieved Parties May Bring Suit, When—May Appeal.

SEC. 27. Any party feeling himself aggrieved by the action of the State Engineer in refusing his application in whole or in part, or in allowing such application against his protest, may bring an action, in any court having jurisdiction of the matter, against the State Engineer to compel him to reverse or modify his decision, and all persons having interests adverse to the party or parties bringing such action shall be joined therein with the State Engineer as defendants. Such action must be commenced within sixty days after notice in writing of the decision by the State Engineer complained of, and shall be begun and prosecuted in all respects like the ordinary civil action in this State, and shall be tried *de novo* by the court. Any party feeling himself aggrieved by the decision of the court may have the same reviewed, in any court having appellate jurisdiction of such decision, by appeal or writ of error in the manner provided by law.

Applicant Must Furnish Map.

SEC. 28. Upon approval of an application in whole or in part, the applicant shall send to the State Engineer within six months thereafter a map on a scale of not less than two inches to the mile, showing the location of the works necessary to perfect the appropriation, the source of appropriation, and if for irrigation, the land upon which the water is to be applied, which map shall be filed in his office.

Engineer To Issue Certificate—Fee for Recording.

SEC. 29. Upon satisfactory proof being made to the State Engineer that any application to appropriate water has been perfected in accordance with the provisions of this Act, said State Engineer shall issue to the applicant a certificate setting forth the name of the appropriator, date, source, purpose and amount of the appropriation, and if for irrigation, a description of the land to be irrigated, which certificate shall within thirty days after its issuance be recorded in the county in which the point of diversion of the appropriation is, as well as in the county where the water is used, in books specially kept for that purpose, and the fee for such records shall be one dollar (\$1), payable by the party in whose favor the certificate is issued. The priority of such new appropriation shall date from the filing of the application in the State Engineer's office.

Misdemeanor for Interfering with Water Officers.

SEC. 30. Any person interfering with, obstructing or resisting the State Engineer, Assistant Engineer or any Water Commissioner, in the performance of his duty or duties as prescribed by this Act, or by the rules or regulations adopted by the Board of Irrigation, shall be deemed guilty of a misdemeanor.

Punishment.

SEC. 31. Any act which is made a misdemeanor by this statute shall be punishable by fine not exceeding five hundred dollars (\$500), or by imprisonment in the county jail not more than three (3) months, or by both such fine and imprisonment in the discretion of the court.

Repeal of Previous Acts.

SEC. 32. Chapter IV of the Statutes of the State of Nevada entitled "An Act providing for the cooperation of the State of Nevada with the Secretary of the Interior of the United States in the construction and administration of irrigation works for the reclamation of arid lands in the State of Nevada, for the measurement, appropriation and distribution of water, determination of water rights, preserving and certifying records thereof, creating officers for the enforcement hereof, defining the tenure of office, powers and duties and fixing their compensation; providing for penalties for infringements hereof, and enacting a standard measure of water and conferring upon the Secretary of the Interior such rights and powers under the laws of Nevada as are necessary to enable him to carry out and execute an Act of the Congress of the United States, approved June 17, 1902, entitled 'An Act appropriating the receipts from the sale and disposal of public lands in certain States and Territories to the construction of irrigation works for the reclamation of arid lands'" (approved February 16, 1903), and Chapter XLVI of the Statutes of the State of Nevada entitled "An Act amendatory of and supplemental to an Act entitled 'An Act providing for the cooperation of the State of Nevada with the Secretary of the Interior of the United States in the construction and administration of irrigation works for the reclamation of arid lands in the State of Nevada, for the measurement, appropriation and distribution of water, determination of water rights, preserving and certifying records thereof, creating officers for the enforcement hereof, defining the tenure of office, powers and duties and fixing their compensations; providing for penalties for infringements hereof, and enacting a standard measure of water, and conferring upon the Secretary of the Interior such rights and powers under the laws of Nevada as are necessary to enable him to carry out and execute an Act of the Congress of the United States, approved June 17, 1902, entitled 'An Act appropriating the receipts from the sale and disposal of public lands in certain States and Territories to the construction of irrigation works for the reclamation of arid lands;'" approved February 16, 1903" (approved March 1, 1905), and all Acts and parts of Acts in conflict with this Act, are hereby repealed.

Appropriation.

SEC. 33. The sum of fifteen thousand dollars is hereby appropriated to carry out the provisions of this Act.

In Effect.

SEC. 34. This Act shall take effect from and after its passage and approval.

WATER RIGHTS AND PRIORITIES AS ESTABLISHED BY STATE ENGINEER.

EAST CARSON RIVER.

Peter Anderson, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch (original construction commenced April, 1869, and completed to length of one-half mile in May, 1869—extended 518 rods in 1873) to irrigate 4 acres in NW cor. of NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 32, T. 13 N., R. 20 E. Entire tract was first irrigated in 1878.

H. Behrman, Gardnerville, Nevada, claims water through Hert Ditch (commenced March 15, 1874, and completed April 1, 1874) to irrigate 1 acre in NE cor. of NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 6, T. 12 N., R. 20 E. Land was first irrigated in 1898.

Chas. W. Brown, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch (see claim of Peter Anderson above) to irrigate one-half acre in SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E. Water was first used on land in 1879.

George J. Brown, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch (see claim of Peter Anderson above) to irrigate Gardnerville Lot of 2 acres in SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E. Water was first used on land in 1878.

T. J. Brown, Gardnerville, Nevada, claims water through Lampe Cottonwood Slough Ditch (commenced and completed in spring, 1871) to irrigate 3 $\frac{1}{2}$ acres in N part of NW $\frac{1}{4}$, Sec. 4, T. 12 N., R. 20 E. Land was first irrigated in spring in 1871.

Victor Bull, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch (see claim of Peter Anderson above) to irrigate Gardnerville Lot of $\frac{3}{4}$ acres in NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 32, T. 13 N., R. 20 E. Land was first irrigated in 1879 by John Gardner.

Henry Cordes, Gardnerville, Nevada, claims water through the Louis Heitman Company Ditch (commenced and completed in spring, 1875, to length of 128 chains and extended to length of 236 $\frac{1}{2}$ chains June 16, 1889) to irrigate 22 acre tract in SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 18, T. 12 N., R. 20 E. (lying E of road) and 87 acre tract in SE $\frac{1}{4}$, Sec. 18, T. 12 N., R. 20 E. (lying E and N of road).

24 acres lying E of road in SE $\frac{1}{4}$, Sec. 18, were irrigated by Henry Heitman in 1878.

63 acres SE $\frac{1}{4}$, Sec. 18 were irrigated in 1881. 22 acres in SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 18 were irrigated in 1881.

NOTE: Henry Cordes also claims water through the Herman Heitman Ditch in conjunction with the Louis Heitman Company Ditch to irrigate his land described above.

Fritz Cordes, Gardnerville, claims water through Winkelman East Ditch (in spring, 1864, this ditch was taken out on S side of Hogrefe Slough. Point of diversion was changed to N side of Slough in 1867) to irrigate 10 acres lying N of Hogrefe Slough in SW cor. of SE $\frac{1}{4}$, Sec. 7, T. 12 N., R. 20 E. and 38 acres lying N of Hogrefe Slough in SW $\frac{1}{4}$, Sec. 7, T. 12 N., R. 20 E.

The 38 acre tract was first irrigated by John Winkelman in 1867 and the 10 acre tract by Dick Hogrefe in 1867.

Fritz Cordes, Gardnerville, Nevada, claims water through Heise Company Ditch to irrigate 60 acres lying N of Hogrefe Slough in SE $\frac{1}{4}$ of Sec. 7, and 20 acres in NE cor. of SW $\frac{1}{4}$, Sec. 7, T. 12 N., R. 20 E. (Heise Company Ditch was commenced and completed in 1862 to length of 73 $\frac{1}{2}$ chains, and was extended to length of 117 $\frac{1}{2}$ chains in 1864.)

Dickens irrigated 15 acres lying N of Slough in SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 7 in 1863 from small ditch from Hogrefe Slough. Balance of land described above was irrigated in 1864.

Fritz Cordes, Gardnerville, Nevada, claims water through Herman Heitman Ditch to irrigate 3 acre tract lying S of Hogrefe Slough in SE $\frac{1}{4}$, Sec. 7, T. 12 N., R. 20 E. Tract was first irrigated in 1879.

C. F. W. Dangberg, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville Lot of $\frac{3}{4}$ acres in NW cor. of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E. Lot was first irrigated by John Gardner in 1879.

H. C. Dangberg, Gardnerville, Nevada, claims water through Allerman Ditch to irrigate 85 acres of land as follows: All in T. 12 N., R. 20 E.; 30 acres in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 11; 18 acres SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 11; 14 acres NE cor. of NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 10; 23 acres in SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 10. Above land was first irrigated in 1879.

NOTE: Allerman Ditch was commenced and completed in 1861 to length of 2 $\frac{1}{2}$ miles. It was extended 1 $\frac{1}{2}$ miles in 1876, and again extended in 1903.

H. C. Dangberg irrigated 60 acres in NW $\frac{1}{4}$, Sec. 2, in 1904 from Allerman extension made in 1903.

H. C. Dangberg, Gardnerville, Nevada, claims water through Upper Field Ditch (commenced and completed in 1866) and Old Virginia Ditch to irrigate 84 acres in T. 12 N., R. 20 E. as follows: 84 acres NW $\frac{1}{4}$, Sec. 10, N and E of East Fork and Cottonwood Slough, and S and W of road.

Nelson irrigated 40 acres in N $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 10, in 1866. Balance of tract was irrigated by H. C. Dangberg in 1875.

H. C. Dangberg, Gardnerville, Nevada, claims water through the Old and New Virginia Ditches, Allerman Ditch and Buckeye Ditch to irrigate 365 acres in T. 12 N., R. 20 E., as follows: 22 acres in SW cor. of NE $\frac{1}{4}$, Sec. 10, S and W of County road; 95 acres in NE $\frac{1}{4}$, Sec. 10, N and E of County road; 152 acres in W part of E $\frac{1}{4}$, Sec. 3; 96 acres in E part of W $\frac{1}{4}$, Sec. 3.

Nolan irrigated 47 acres in W $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 10; 63 acres in S $\frac{1}{4}$, Sec. 3; and 47 acres in E $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 3, in 1864; 25 acres in NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 3, were irrigated in 1875; 48 acres between Old Virginia and New Virginia Ditches in NE $\frac{1}{4}$, Sec. 10, were irrigated by H. C. Dangberg in 1877; 63 acres between Old and New Virginia Ditches in Sec. 3, were irrigated by H. C. Dangberg in 1877; 50 acres lying between Old and New Virginia Ditches in N $\frac{1}{2}$, Sec. 3, were irrigated in 1881; 22 acres in SW cor. of NE $\frac{1}{4}$, Sec. 10, S and W of road were irrigated by H. C. Dangberg in 1878.

Wm. Dangberg, Gardnerville, Nevada, claims water through Island Slough Ditch (commenced and completed in 1861) to irrigate 41 acres lying immediately N and E of West Carson River in NW $\frac{1}{4}$, Sec. 1, T. 12 N., R. 19 E.; 73 acres lying S and W of West Carson River in NW $\frac{1}{4}$, Sec. 1, and 19 acres in NW $\frac{1}{4}$, Sec. 1, and NE $\frac{1}{4}$, Sec. 1, T. 12 N., R. 19 E., lying between West Fork Carson River and Island Slough.

The 41-acre tract was irrigated in 1862, and balance of land described above was irrigated in 1864.

Wm. Dangberg, Gardnerville, Nevada, claims water through St. Louis Ditch (commenced fall, 1865, and completed spring, 1866) to irrigate 141 acres being all of the N $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 1, T. 12 N., R. 19 E., lying E of Rocky Slough, and all of the S $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 1, lying E of Island Slough.

Prior to 1866, above land was irrigated by means of dams in Rocky Slough, which irrigation began in 1864.

Wm. Dangberg, Gardnerville, Nevada, claims water from Rocky Slough, by means of dams in same, to irrigate 40 acres, lying between Rocky Slough and Island Slough Ditch in N $\frac{1}{4}$, Sec. 1, T. 12 N., R. 19 E.

Land was first irrigated in 1862.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through the Wheeler Slough Ditch (constructed in 1859) to irrigate 90 acres in SW $\frac{1}{4}$, Sec. 14, T. 12 N., R. 20 E.

Land was irrigated in 1859.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through Allerman Ditch to irrigate 192 acres in T. 12 N., R. 20 E., as follows: 14 acres in NW cor. of SE $\frac{1}{4}$, Sec. 14; 104 acres in NE $\frac{1}{4}$, Sec. 14; 8 acres in NE cor. of NW $\frac{1}{4}$, Sec. 14; and 66 acres in S $\frac{1}{4}$, Sec. 11, E of County road. 14 acres in NW cor. of SE $\frac{1}{4}$, Sec. 14, and 26 acres SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 14, were irrigated in 1861; 40 acres in center of W $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 14, were irrigated in 1875.

Balance of land described above was irrigated in 1880.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through the Berning Ditch (construction commenced in 1865 and completed in 1866) to irrigate 100 acres in T. 12 N., R. 20 E., as follows: 5 acres in NW cor. of SW $\frac{1}{4}$, Sec. 14; 3 acres in SW cor. of NW $\frac{1}{4}$, Sec. 14; 4 acres in NE cor. of SE $\frac{1}{4}$, Sec. 15; 63 acres in NE $\frac{1}{4}$, Sec. 15; 25 acres in S part of SE $\frac{1}{4}$, Sec. 10.

Land was irrigated in 1866.

In the following claims of the Dangberg Land and Livestock Company the land for which water is claimed is stated by sections, and the dates of first irrigation immediately follow the statement of the number of acres.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through the Virginia, Allerman, Buckeye and Ezell ditches, to irrigate the following:

Sec. 34, T. 13 N., R. 20 E.: 100 acres in NW $\frac{1}{4}$ were irrigated in 1884; 47 acres in SW $\frac{1}{4}$ were irrigated in 1887; 13 acres in NE $\frac{1}{4}$ of SW $\frac{1}{4}$ were irrigated in 1903.

Sec. 27, T. 13 N., R. 20 E.: 14 acres in SW corner of SW $\frac{1}{4}$ of Sec. 27 were irrigated in 1883.

Sec. 33, T. 13 N., R. 20 E.: 160 acres in NE $\frac{1}{4}$ were irrigated in 1879.

Sec. 28, T. 13 N., R. 20 E.: 40 acres in W $\frac{1}{4}$ of E $\frac{1}{4}$ of SE $\frac{1}{4}$ were irrigated from Ezell Ditch in 1877. 40 acres in SW $\frac{1}{4}$ of SE $\frac{1}{4}$ were irrigated in 1879; 64 acres in SE $\frac{1}{4}$ were irrigated in 1883; 26 acres in SW $\frac{1}{4}$ of NE $\frac{1}{4}$ were irrigated in 1883.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through the Virginia, Allerman, Buckeye and Ezell ditches, to irrigate the following:

Sec. 33, T. 13 N., R. 20 E.: 138 acres in NW $\frac{1}{4}$ were irrigated in 1878.

Sec. 28, T. 13 N., R. 20 E.: 320 acres in W $\frac{1}{4}$, Sec. 28, were irrigated in 1877.

Sec. 21, T. 13 N., R. 20 E.: 120 acres in SW $\frac{1}{4}$, Sec. 21, were irrigated in 1877.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through the Virginia, Allerman, Buckeye, Ezell, Emigrant, Ezell and McFanning, Banning and McFanning, and Millerville Ditches, to irrigate the following:

Sec. 32, T. 13 N., R. 20 E.: 104 acres in NE $\frac{1}{4}$ Sec. 32 were irrigated in 1866, partly from Emigrant Ditch and partly from Martin Slough; 20 acres in NW $\frac{1}{4}$ Sec. 32 were irrigated from Martin Slough in 1877; 20 acres in NW $\frac{1}{4}$ were irrigated from the Ezell and the

McFanning Ditch in 1897; 2-acre strip in SE $\frac{1}{4}$ Sec. 32 were irrigated from Ezell and McFanning Ditch in 1878.

Sec. 29, T. 13 N., R. 20 E.: 80 acres in SE $\frac{1}{4}$ were irrigated from Banning and McFanning Ditch in 1862; 60 acres in SE $\frac{1}{4}$ irrigated in 1877; 40 acres in SW $\frac{1}{4}$ N and E of Martin Slough irrigated in 1877; 27 acres in SW $\frac{1}{4}$ N and E of Martin Slough were irrigated in 1881; 83 acres in SW $\frac{1}{4}$ S and W of Martin Slough were irrigated in 1881; 160 acres in NE $\frac{1}{4}$ were irrigated in 1878.

Sec. 30, T. 13 N., R. 20 E.: 39 acres in S $\frac{1}{4}$ of SE $\frac{1}{4}$ N and E of County road were irrigated in 1882 from the Ezell and McFanning Ditch. This tract, as well as all S and W of Martin Slough, in Secs. 29 and 32, have been irrigated from the Millerville Ditch since 1898—up to that time having been irrigated from Ezell and McFanning Ditch.

Sec. 20, T. 13 N., R. 20 E.: 150 acres in SE $\frac{1}{4}$ were irrigated in 1877; 150 acres in SW $\frac{1}{4}$ were irrigated from Emigrant Ditch in 1866.

Sec. 19, T. 13 N., R. 20 E.: 160 acres in SE $\frac{1}{4}$ Sec. 19 were irrigated from Emigrant Ditch in 1866; 120 acres in SW $\frac{1}{4}$ were irrigated from Emigrant Ditch in 1866; 320 acres in N $\frac{1}{2}$ Sec. 19 were irrigated from Emigrant Ditch in 1865.

Sec. 18, T. 13 N., R. 20 E.: 140 acres in S $\frac{1}{4}$ of S $\frac{1}{4}$ Sec. 18 irrigated from Emigrant Ditch in 1867; 173 acres in N $\frac{1}{4}$ of S $\frac{1}{4}$ were irrigated in 1888; 76 acres in W $\frac{1}{4}$ of NE $\frac{1}{4}$ irrigated in 1888; 160 acres in NW $\frac{1}{4}$ were irrigated in 1888.

Sec. 7, T. 13 N., R. 20 E.: 55 acres in SW $\frac{1}{4}$ S and E of county road were irrigated in 1888.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through the Klauber, Cottonwood Slough, Milk Ranch and Emigrant Ditches to irrigate the following:

Sec. 20, T. 13 N., R. 20 E.: 290 acres in W $\frac{1}{4}$ were irrigated by Klauber ditch and dams in sloughs in 1860. (This land lies N and E of river.) 10 acres in SW cor. of SW $\frac{1}{4}$ S and W of river were irrigated from dams in river and sloughs in 1858.

Sec. 31, T. 13 N., R. 20 E.: 58 acres in NW $\frac{1}{4}$ N and E of East Carson River were irrigated in 1858, by means of dams in sloughs.

Sec. 25, T. 13 N., R. 19 E.: 70 acres in NE $\frac{1}{4}$ N and E of East Carson River were irrigated by means of dams in river and sloughs in 1858-59.

Sec. 24, T. 13 N., R. 19 E.: 160 acres in SE $\frac{1}{4}$ were irrigated in 1858-59; 80 acres in W $\frac{1}{4}$ NE $\frac{1}{4}$ were irrigated in 1858-59; 62 acres in SW $\frac{1}{4}$ were irrigated in 1858-59; 135 acres in NW $\frac{1}{4}$ were irrigated in 1858-59; 80 acres in E $\frac{1}{4}$ of NE $\frac{1}{4}$ were irrigated in 1896.

Sec. 13, T. 13 N., R. 19 E.: 160 acres in SW $\frac{1}{4}$ were irrigated in 1858-59; 60 acres in SE $\frac{1}{4}$ were irrigated in 1870; 100 acres in SE $\frac{1}{4}$ were irrigated in 1895.

Sec. 14, T. 13 N., R. 19 E.: 84 acres in SE $\frac{1}{4}$ Sec. 14, lying E of East Fork, were irrigated in 1859.

Sec. 23, T. 13 N., R. 19 E.: 13 acres in NE cor. of NE $\frac{1}{4}$, E of East Fork, were irrigated in 1859.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through the Lightle, Mast, Corral, Island, Garden, Old Flume, Side, Pocket No. 1, 2 and 3, Cohn East Fork, Klauber N. Fork No. 2, Noteware, Home Ranch No. 1 and 2, and Boundary Ditches and dams in river, Rocky Slough and other sloughs, to irrigate as follows:

Sec. 6, T. 12 N., R. 20 E.: 80 acres in N $\frac{1}{4}$ of NW $\frac{1}{4}$ were irrigated from Lightle Ditch in 1860; 80 acres in S $\frac{1}{4}$ of NW $\frac{1}{4}$ were irrigated by dams in Rocky Slough in 1863.

Sec. 31, T. 13 N., R. 20 E.: 47 acres in SE $\frac{1}{4}$ S and W. of East Carson River were irrigated in 1860 from Lightle Ditch and dams in river and sloughs; 255 acres in W $\frac{1}{4}$ of Sec. 31, S and W of East Carson River were irrigated from dams in sloughs in 1858.

Sec. 36, T. 13 N., R. 19 E.: 310 acres in E $\frac{1}{4}$ were irrigated by Dangberg and Mast by placing dams in sloughs in 1858; 157 acres in NW $\frac{1}{4}$ ditto to above; 32 acres in SE $\frac{1}{4}$, N and W of slough, same as above.

Sec. 25, T. 13 N., R. 19 E.: 570 acres, being all of section S and W of East Carson River, irrigated in 1854-59.

Sec. 35, T. 13 N., R. 19 E.: 32 acres in NE $\frac{1}{4}$ of NE $\frac{1}{4}$ were irrigated by Dangberg and Mast in 1858.

Sec. 26, T. 13 N., R. 19 E.: 231 acres in E $\frac{1}{4}$ E of slough irrigated in 1858-59.

Sec. 24, T. 13 N., R. 19 E.: 123 acres in W $\frac{1}{4}$, S and W of East Carson River were irrigated in 1858-59.

Sec. 23, T. 13 N., R. 19 E.: 370 acres being all of section E of West Carson River and W of East Carson River were irrigated in 1854-59.

Sec. 14, T. 13 N., R. 19 E.: 165 acres in S $\frac{1}{4}$ W of East Carson River were irrigated in 1859.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through Topping Ditch to irrigate the following:

Sec. 31, T. 13 N., R. 20 E.: 42 acres in S $\frac{1}{4}$ of SE $\frac{1}{4}$, N and E of river were irrigated from Topping Ditch in 1863.

The following table shows the dates of construction of the ditches enumerated above in the claims of the Dangberg Land and Livestock Company:

Ditch.	Commenced.	Completed.
Berning	1865	1866
Allerman (extension completed, 1876)	1861	1861
Wheeler Slough	1859	1859
Old Virginia	1863	1864

Ditch.	Commenced.	Completed.
New Virginia	1876	1876
Upper Field	1866	1866
Ezell	September, 1876	April, 1877
Banning and McFanning	1862	1862
Emigrant	1864	1865
Topping	1863	1863
Klauber	1860	1860
Cottonwood Slough	1862	1862
Milk Ranch	1876	1876
Lightle	April, 1860	April, 1860
Mast	1860	1861
Corral	1858	1859
Island	1859	1860
Garden	1865	1866
Old Flume	1860	1860
Side	1865	1866
Pocket No. 1	1863	1863
Pocket No. 2	1863	1863
Pocket No. 3	1859	1859
Cohn E. Fk.	1860	1860
Klauber M. Fk. 2	1862	1862
Noteware	1860	1860
Home Ranch No. 1	1875	1875
Home Ranch No. 2	1877	1877
Brockliss No. 1	1863	1863
Brockliss No. 2	1865	1865
Brockliss No. 3	1864	1864
Supply	1863	1863
Home and Haines	1862	1862
Boundary	1862	1862
Home Ditch, 3	1862	1862
Home Ditch, 4	1860	1860
West Fork	1861	1861

Henry C. Elges, Gardnerville, Nevada, claims water through Elges Ditch (began and completed in spring of 1883) to irrigate 34 acres lying S and W of Cottonwood Slough in NE $\frac{1}{4}$, Sec. 4, T. 12 N, R. 20 E. Land was first irrigated from Elges Ditch in 1883, but was irrigated by waste water from Napoleon Ditch since 1861.

Henry C. Elges, Gardnerville, Nevada, claims water through Company Ditch (surveyed March 25, 1864, construction commenced April 6, 1864, and completed May 15, 1864, to length of 575 rods and extended in spring, 1866, to length of 635 rods) to irrigate 120 acres in NE $\frac{1}{4}$, Sec. 4, T. 12 N, R. 20 E, lying N and E of Cottonwood Slough.

Frank Wolf irrigated 20 acres in SE cor. of NE $\frac{1}{4}$, Sec. 4, in 1864. Balance of 120 tract described above, with the exception of 10 acres in NE cor., was irrigated little by little until all was under irrigation in 1873. The remaining 10 acres were first irrigated in 1876.

Henry C. Elges, Gardnerville, Nevada, claims water through H. C. Elges Upper Ditch (commenced and completed in 1897) to irrigate 25 acres in NW $\frac{1}{4}$, Sec. 10, T. 12 N, R. 20 E.

H. C. Elges first irrigated this tract in 1885, from ditch that headed in river below Hogrefe Slough.

L. S. Ezell, Gardnerville, Nevada, claims water through Ezell Ditch (commenced in 1876, and completed in 1877) to irrigate 32 acres in NE cor. of SW $\frac{1}{4}$, Sec. 33, and also in conjunction with water from Company Ditch to irrigate 30 acres in SE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N, R. 20 E.

Part of this tract was irrigated in 1877 and all was under irrigation in 1880.

L. S. Ezell, Gardnerville, Nevada, claims water through Company Ditch (see claim of Henry C. Elges above) to irrigate 80 acres in W $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 33, and 30 acres in E $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N, R. 20 E.

L. S. Ezell irrigated 8 acres in SW cor. of SE $\frac{1}{4}$, Sec. 33, and 8 acres in SE cor. of SW $\frac{1}{4}$, Sec. 33, in 1864; 12 acres in SW cor. of SE $\frac{1}{4}$, Sec. 33, and 30 acres in SE cor. of SW $\frac{1}{4}$, Sec. 33, were irrigated little by little until all were under irrigation in 1869. 40 acres in SW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 33, were under irrigation in 1871. 40 acres in NW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 33, were irrigated in 1877.

L. S. Ezell, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch (see claim of Peter Anderson above) to irrigate tract of 48 acres in NW part of SW $\frac{1}{4}$ of Sec. 33, T. 13 N, R. 20 E. Entire tract was irrigated by L. S. Ezell in 1869.

Mrs. Louise Frantzen, Gardnerville, Nevada, claims water through Company Ditch (see claim of Henry C. Elges above) to irrigate fractional tract of 74 acres in SW $\frac{1}{4}$, Sec. 3, T. 12 N, R. 20 E, lying N and E of road.

Henry Parrish irrigated 10 acres in SW $\frac{1}{4}$ in Sec. 3, in 1864. Balance of tract described above, was irrigated little by little until whole tract with exception of 25 acres in NW cor. of tract was under irrigation in 1872. The remaining 25 acres were irrigated in 1884.

Fritz Fricke, Gardnerville, Nevada, claims water through Heitman Company Ditch to irrigate 15 acres in N part of NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 9, T. 12 N, R. 20 E. Land was first irrigated in 1864.

Fritz Fricke, Gardnerville, Nevada, claims water through Christensen and Hussman Ditch (began in winter, 1877, and completed in spring, 1878) to irrigate 18 acres in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 9, and 14 acres lying S of Christensen Slough in E $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 9, T. 12 N, R. 20 E. The 18-acre tract was irrigated from old ditch through old Joel Smith place in 1864. The 14-acre tract was first irrigated in 1889.

Fritz Fricke, Gardnerville, Nevada, claims water through Fricke Ditch (constructed in spring, 1899) to irrigate 11 acres lying along N side of Hogrefe Slough, in SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 9, T. 12 N, R. 20 E. This tract was first irrigated through Christensen and Hussman Co. Ditch in 1889.

Fritz Fricke, Gardnerville, Nevada, claims water through Christensen Ditch (constructed in spring, 1900) to irrigate 2 acres in SW cor. of SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 9, T. 12 N, R. 20 E. Tract first irrigated in 1900.

Fritz Fricke, Gardnerville, Nevada, claims spring waters through Fricke South No. 1 Ditch (constructed winter, 1902) and Fricke South No. 2 Ditch (constructed spring, 1900) to flood 17 acres in NW $\frac{1}{4}$ of SE $\frac{1}{4}$ and NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, T. 12 N, R. 20 E.

Bernhard Glock, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville Lot of 2 acres in SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 32, and SW part of SW $\frac{1}{4}$, Sec. 33, T. 13 N, R. 20 E.

Land was first irrigated in 1878.

Andrew Hansen, Gardnerville, Nevada, claims water through Heise Company Ditch (see claim of Fritz Cordes above) to irrigate 80 acres in N half of NW $\frac{1}{4}$, Sec. 8, and 40 acres in NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 8, T. 12 N, R. 20 E.

William McKinney irrigated 20 acres in NE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 8, in 1864; Chas. Brodt irrigated balance of NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 8, and NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 8 in 1870; Chris Larsen irrigated NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 8, in 1881.

Oley O. Haughner, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville Lot of $\frac{1}{2}$ acre in SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N, R. 20 E.

Land was first irrigated in 1879.

Fred Heise, Gardnerville, Nevada, claims water through Heise South Ditch (commenced and completed in 1878) to irrigate 5 acre tract lying S of Hogrefe Slough in E half of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 7, T. 12 N, R. 20 E.

Land was first irrigated in 1878.

Fred Heise, Gardnerville, Nevada, claims water through Heise Company Ditch (see claim of Fritz Cordes above) to irrigate 40 acres in SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 8; 80 acres S $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 8; 121 acres in SW $\frac{1}{4}$, Sec. 8, being all of said $\frac{1}{2}$ N of Hogrefe Slough; 78 acres in S $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 7; 37 acres in N $\frac{1}{4}$ of N $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 7; 10 acres in SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 7; 15 acres in E $\frac{1}{4}$ of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 7, N of Hogrefe Slough. All in T. 12 N, R. 20 E.

Sanders and Dickens irrigated 20 acres in W $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 8, N of Slough, and 31 acres in SE $\frac{1}{4}$, Sec. 7, N of Slough, in 1862, and balance of F. Heise land in SW $\frac{1}{4}$, Sec. 8, and SE $\frac{1}{4}$, Sec. 7, N of Slough, in 1863. S $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 7, was irrigated in 1863. SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 8, and E $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 8, were irrigated in 1864. SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 8, was irrigated in 1871. SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 8, was irrigated in 1880.

Hammond Heitman, Gardnerville, Nevada, claims water through Ezell and Martin Ditch to irrigate Gardnerville Lot of one acre in central part of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N, R. 20 E. Land was first irrigated in 1878.

Henry Heitman, Gardnerville, Nevada, claims water through Heitman Company Ditch (began in 1862 and completed in 1863) to irrigate 68 acres in E $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 5, and 50 acres in W $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 4, T. 12 N, R. 20 E, lying S of East Carson River.

George Buist irrigated NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 5, and 10 acres in W $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 4, in 1863. All of Henry Heitman land S of East Carson River was irrigated in 1865, with the exception of strip of 40 acres running east and west across southern portion of land. Balance of tract now irrigated, with the exception of 5 acres, described below, was irrigated in 1871; 5 acre tract in SW cor. of E $\frac{1}{4}$, Sec. 5, was irrigated in 1877.

Henry Heitman, Gardnerville, Nevada, claims water through Hussman Co. Ditch (commenced and completed in 1861) to irrigate 16 acres lying N of E Carson River, and S and W of County road, in NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 4, and SW cor. of NW $\frac{1}{4}$, Sec. 4, T. 12 N, R. 20 E. Land was first irrigated in 1867.

Peter Heitman, Gardnerville, Nevada, claims water through Peter Heitman Ditch (commenced in fall, 1859, and completed in spring, 1860) to irrigate 10 acres in NW cor. of NW $\frac{1}{4}$, Sec. 25; 6 acres in SW cor. of SW $\frac{1}{4}$, Sec. 24; 33 acres in N portion of NE $\frac{1}{4}$, Sec. 26; 94 acres lying between bluff and river in S $\frac{1}{4}$, Sec. 23; 19 acres in N $\frac{1}{4}$, Sec. 23. All in T. 12 N, R. 20 E.

John Comer and Gray irrigated 40 acres in SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 23, T. 12 N, R. 20 E, in 1860. The land at present under irrigation was irrigated little by little until all was under irrigation in 1864.

Peter Heitman also claims water from Millich or Long Valley Creek, to supplement flow from river to give sufficient water for irrigation of all this land described above.

Peter Heitman, Gardnerville, Nevada, claims water through Heitman Mill Ditch

(began January, 1895, and completed May, 1896) to the capacity of twenty-six cubic feet per second, to furnish power for flour mill. After passing through mill, water is returned to river.

Water was first used in July, 1895.

Fred Hellwinkel, Gardnerville, Nevada, claims water through Heitman Company Ditch (commenced 1862, completed 1863) to irrigate 30 acres in southern part of NW $\frac{1}{4}$, Sec. 5, T. 12 N., R. 20 E.

Peter Lincoln first irrigated part of this tract in 1866. And entire tract was under irrigation in 1870.

Fred Hellwinkel, Gardnerville, Nevada, claims water through Hellwinkel Corner Ditch (commenced and completed in the spring of 1872) to irrigate 36 acres lying South of East Caason River, in NW $\frac{1}{4}$, Sec. 5, T. 12 N., R. 20 E.

Part of this tract was first irrigated from Heitman Company Ditch by Peter Lincoln in 1866, and all was under irrigation from Heitman Company Ditch in 1870.

Fred Hellwinkel, Gardnerville, Nevada, claims water through Hussman Company Ditch (commenced and completed in spring of 1861) to irrigate 84 acres lying N of East Fork of Carson River, in NW $\frac{1}{4}$, Sec. 5, T. 12 N., R. 20 E.

Merritt first irrigated part of above tract in 1863, and entire tract was under irrigation by 1867.

C. C. Henningsen, Gardnerville, Nevada, claims water through the Lightle Ditch to irrigate 155 acres in NE $\frac{1}{4}$, Sec. 6, T. 12 N., R. 20 E.

Peter Lightle irrigated 100 acres in NE $\frac{1}{4}$, in spring and summer of 1860. Balance of tract was irrigated in 1861 and 1862.

C. M. Henningsen, Gardnerville, Nevada, claims water through C. M. Henningsen Ditch to irrigate 57 acres in W $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 5, and 121 acres in SW $\frac{1}{4}$, Sec. 5, T. 12 N., R. 20 E.

J. Rodenbah irrigated 40 acres in S part of SW $\frac{1}{4}$, Sec. 5, in 1864, from Old Henningsen Ditch. 30 acres in N part of W $\frac{1}{4}$ of SE $\frac{1}{4}$ of Sec. 5, were irrigated little by little until all were under irrigation by 1868.

Tract of 22 acres in N part of SW $\frac{1}{4}$, Sec. 5, was irrigated little by little until all was under irrigation in 1868, and all of SW $\frac{1}{4}$, Sec. 5, now irrigated, was under irrigation in 1870. Balance of 57 acres, now irrigated, in W $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 5, was irrigated in 1875.

Note: C. M. Henningsen Ditch was commenced and completed in the spring of 1865. Old Henningsen Ditch was a branch of the Brodt Ditch (commenced February 10, 1864, and completed April 15, 1864).

C. M. Henningsen, Gardnerville, Nevada, claims water through the Frevert Ditch (commenced May 1, 1865, and completed May 15, 1865) to irrigate 145 acres in SE $\frac{1}{4}$, Sec. 6, and 74 acres in N $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 7, T. 12 N., R. 20 E.

F. A. Frevert irrigated part of SW $\frac{1}{4}$, Sec. 6, in 1865, and whole quarter was under irrigation by 1868. H. Tillman irrigated 10 acres in N $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 7, in 1864, and balance of N $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 7, was irrigated little by little until all was under irrigation by 1868.

Chas. S. Hunt, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville Lot of 2 $\frac{1}{4}$ acres in East part of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 32, and West part of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E. Land was first irrigated by John Gardner in 1879.

George G. Hussman (for Estate of Fred Hussman), Gardnerville, Nevada, claims water through the L. M. Christensen Company Ditch (commenced in winter, 1877, and completed in spring, 1878) to irrigate tract of 25 acres, being all of NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 9, T. 12 N., R. 20 E., lying S of Heitman Company Ditch.

William Hussman irrigated 14 acres of the above tract in 1878. Balance of tract was irrigated by 1890.

George G. Hussman (for Estate of Fred Hussman), Gardnerville, Nevada, claims water through Heitman Company Ditch (commenced in 1862, and completed in 1863) to irrigate tract of 10 acres, being all of NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 9, T. 12 N., R. 20 E., lying N of Heitman Company Ditch, and tract of 64 acres, being all of E $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 4, and SE $\frac{1}{4}$, Sec. 4, T. 12 N., R. 20 E., lying W and S of East Carson River.

All of above tract was irrigated in 1863, except 10 acre tract in SE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 4, which was irrigated in 1894, and also except 10 acre tract in N part of SE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 4, which was irrigated in 1873.

George G. Hussman (for Estate of Fred Hussman), Gardnerville, Nevada, claims water through Upper Field Ditch (commenced and completed in 1866) to irrigate 34 acre tract lying W and S of County road, in SW $\frac{1}{4}$, Sec. 3, T. 12 N., R. 20 E., and also 28 acre tract lying E of Cottonwood Slough in E side of SE $\frac{1}{4}$, Sec. 4, T. 12 N., R. 20 E.

J. Shackles irrigated above tract in 1867.

George G. Hussman (for Estate of Fred Hussman), Gardnerville, Nevada, claims water through Hussman Cottonwood Slough Ditch and Hussman Company Ditch (both ditches commenced and completed in 1861) to irrigate tract of 141 acres, being all of E $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 4, and SE $\frac{1}{4}$, Sec. 4, T. 12 N., R. 20 E., lying between Cottonwood Slough and East Carson River.

J. Shackles irrigated above tract in 1862.

William Hussman, Gardnerville, Nevada, claims water through Heise Ditch to irrigate 17 acres lying S of Hogrefe Slough, in SW $\frac{1}{4}$, Sec. 8, T. 12 N., R. 20 E.

Hogrefe irrigated 8 acres of above tract in 1879, and balance of tract was irrigated in 1885.

William Hussman, Gardnerville, Nevada, claims water through Louis Heitman Company Ditch (commenced and completed in spring, 1875, to length of 128 chains and extended June 16, 1889, to length of 236 $\frac{1}{2}$ chains) to irrigate 66 acres in NW $\frac{1}{4}$, Sec. 17; 20 acres in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 17; 13 acres in SW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 8; and 8 acres in SE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 8. All in T. 12 N., R. 20 E.

Louis Heitman irrigated 13 acre tract in SE $\frac{1}{4}$, Sec. 8, in June, 1889; 8 acre tract in SW $\frac{1}{4}$, Sec. 8, was irrigated in spring, 1891; 15 acre tract in NE cor. of NW $\frac{1}{4}$, Sec. 17, was irrigated in 1890; 12 acre tract in SE cor. of SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 17, was irrigated in 1891; 12 acre tract in E $\frac{1}{2}$ of SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 17, was irrigated in 1894; 12 acre tract in W $\frac{1}{2}$ of SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 17, was irrigated in 1896; 10 acres in W $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 17, were irrigated in 1900; 5 acres in SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 17, were irrigated in 1901; 20 acres in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 17, were irrigated in 1900.

William Hussman, Gardnerville, Nevada, claims water through Herman Heitman Ditch (began and completed in 1865) to irrigate 60 acres in NE $\frac{1}{4}$, Sec. 18, and 67 acres in W $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 17, T. 12 N., R. 20 E. 20 acres in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 17, and 20 acres in NE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 18, were irrigated in 1865.

H. Heitman irrigated 22 acres in W $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 17, and 40 acres in NE $\frac{1}{4}$, Sec. 18, in 1877. Remaining 25 acres in NW $\frac{1}{4}$, Sec. 17, were irrigated by H. Heitman in 1880.

Sam Imelli, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville Lot of 2 $\frac{1}{4}$ acres in N $\frac{1}{2}$ of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E.

Lot was first used for reservoir by L. S. Ezell, in 1883. In 1893, lot was filled in and irrigated.

M. Jacobsen, Gardnerville, Nevada, claims water through Company Ditch (see claim of Henry C. Elges above) to irrigate 78 acres in E $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E.

L. S. Ezell irrigated S $\frac{1}{2}$ of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 33, in 1872; L. S. Ezell irrigated N $\frac{1}{2}$ of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 33, in 1873; J. P. Pettegrew irrigated NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 33, in 1878.

Peter Jacobsen, Gardnerville, Nevada, claims water through Company Ditch (see claim of Henry C. Elges above) to irrigate tract of 55 acres in W $\frac{1}{2}$ of Sec. 3, T. 12 N., R. 20 E. (including SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 3).

William Foster first irrigated 30 acres in SE cor. of above tract in 1871; 3 acres more in SW cor. of tract were irrigated in 1881. And balance of tract was irrigated in 1882.

Betram Jepson, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville Lot of $\frac{1}{4}$ acre in NE cor. of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 32, T. 13 N., R. 20 E.

Lot was first irrigated by John Gardner in 1879.

M. Jepsen, Gardnerville, Nevada, claims water through the John Gardner Ditch (commenced and completed in 1865) to irrigate tract of 43 acres, being all of SE $\frac{1}{4}$, Sec. 32, T. 13 N., R. 20 E., lying S and W of Cottonwood Slough.

John Gardner irrigated 10 acres in S part of SE $\frac{1}{4}$, Sec. 32, in 1865. Balance of tract was irrigated little by little until all was under irrigation in 1872.

M. Jepsen, Gardnerville, Nevada, claims water through Springmeyer and Gardner Ditch to irrigate tract of 40 acres, being all of SE $\frac{1}{4}$, Sec. 32, T. 13 N., R. 20 E., lying between said ditch and Cottonwood Slough (the ditch was commenced February 1, 1873, and completed June 1, 1873).

John Gardner irrigated 20 acres of above tract in 1873, and balance of tract was under irrigation in 1875.

M. Jepsen, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch (see claim of Peter Anderson above) to irrigate tract of 42 acres, being all of SE $\frac{1}{4}$, Sec. 32, T. 13 N., R. 20 E. (outside of Town of Gardnerville), lying between Ezell and McFanning Ditch and Springmeyer and Gardner Ditch.

John Gardner irrigated 10 acres in E part of above tract, in 1877. Balance of tract was irrigated little by little until all was under irrigation in 1879.

Mathias Jensen, Gardnerville, Nevada, claims water through Thompson Ditch (began and completed in April, 1888) to irrigate tract of 15 acres lying S and E of Hogrefe Slough in NW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 3, T. 12 N., R. 20 E. 10 acres of above tract were irrigated by L. Thompson, in 1888, and balance of tract in 1899.

Mathias Jensen, Gardnerville, Nevada, claims water through Heise Company Ditch to irrigate tract of 5 acres lying N and W of Hogrefe Slough, in NW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 8, T. 12 N., R. 20 E. Tract was first irrigated by A. Wehrman in spring, 1897.

Mathias Jensen, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville lot of $\frac{1}{4}$ acre, lying N of County road, in center of NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 32, T. 13 N., R. 20 E. Lot was first irrigated in 1878.

Andrew Jessen, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate tract of 14 $\frac{1}{2}$ acres in E $\frac{1}{2}$ of NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 32, T. 13 N., R. 20 E.

John Gardner irrigated half of tract in 1874, and balance of tract was first irrigated in 1879.

C. M. Krummes, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville Lot of 1 acre, in central part of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E. Lot was first irrigated in 1878.

William Lampe, Gardnerville, Nevada, claims water through Lampe Slough Ditch (commenced and completed in spring, 1871) to irrigate tract of 26 acres in N $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 4, T. 12 N., R. 20 E.

21 acres were irrigated in spring, 1871, and remaining 5 acres in 1872.

William Lampe, Gardnerville, Nevada, claims water through Hussman Company Ditch (commenced and completed in spring, 1861) to irrigate 118 acres in NW $\frac{1}{4}$, Sec. 4, T. 12 N., R. 20 E.

George Buist irrigated 35 acres in 1862, and whole tract was irrigated either directly or by waste water prior to 1868.

Henry Lange, Gardnerville, Nevada, claims water through Old Henningsen Ditch, now known as Lange and Sill Ditch (commenced and completed in spring, 1864) to irrigate 77 acres in E $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 8, and 55 acres lying N of Hogrefe Slough in W $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 9, T. 12 N., R. 20 E.

25 acres in SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 8, were irrigated in spring, 1864; 20 acres in NE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 8, were irrigated by John Henningsen, in 1876. Balance of land described above was under irrigation in 1880, except 8 acres in S portion of SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 8, which was irrigated in 1892.

Henry Luhrs, Gardnerville, Nevada, claims water through Frevert Ditch (commenced May 1, 1865, and completed May 15, 1865, to length of $\frac{3}{4}$ miles and extended in March, 1874, about $\frac{1}{2}$ of a mile to intersect Brodt Ditch) to irrigate 10 acres in N $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 1, T. 12 N., R. 19 E.; 78 acres in S $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 1, T. 12 N., R. 19 E.; 80 acres in N $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E.; 40 acres in SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E.; 160 acres in NW $\frac{1}{4}$, Sec. 7, T. 12 N., R. 20 E.; 80 acres in S $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 6, T. 12 N., R. 20 E.

F. A. Frevert irrigated NW $\frac{1}{4}$, Sec. 7, and S $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 6, in 1864. Balance of land described above was irrigated little by little until all was under irrigation in 1869.

Note: The Brodt Ditch was first used to supply Henry Luhrs' land. It was commenced February 10, 1864, and completed April 15, 1864.

Henry Luhrs, Gardnerville, Nevada, claims water through Hert Ditch (commenced March 15, 1874, and completed April 1, 1874) to irrigate 25 acres in E part of N $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 6, T. 12 N., R. 20 E.

This land was first irrigated from Frevert Ditch and was all under irrigation in 1869.

Henry Luhrs, Gardnerville, Nevada, claims water through the Trainor Ditch (commenced March 15, 1866, and completed April 1, 1866) to irrigate 48 acres in N $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 6, T. 12 N., R. 20 E., and 69 acres in N $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 1, T. 12 N., R. 19 E.

Land described was irrigated from Treanor Ditch and Frevert Ditch by F. A. Frevert, and was all under irrigation in 1869.

J. H. Martin, Gardnerville, Nevada, claims water through Banning and McFanning Ditch (commenced and completed in 1862) to irrigate 156 acres in NW $\frac{1}{4}$, Sec. 29, and 80 acres in NE $\frac{1}{4}$, Sec. 30, N of Martin Slough, and claims water through Ezell and McFanning Ditch (commenced April, 1869, and completed May 1, 1869, to length of $\frac{1}{2}$ mile and extended to present length in 1873) to irrigate 59 acres, being all of NE $\frac{1}{4}$, Sec. 30, lying S of Martin Slough, and 83 acres in the N $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 30, T. 13 N., R. 20 E.

J. McFanning irrigated 40 acres about Martin Slough in NE $\frac{1}{4}$, Sec. 30, in 1862. The area of irrigated land was extended little by little until the S $\frac{1}{2}$ NW $\frac{1}{4}$, Sec. 29, all of the NE $\frac{1}{4}$, Sec. 30, S of Martin Slough, 25 acres in Northern part of SE $\frac{1}{4}$, Sec. 30, and 40 acres in E $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 30, N of Martin Slough, were under irrigation in 1874. The remainder of N $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 30, was under irrigation in 1879. The NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 29, was irrigated in 1881. The NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 29, was irrigated in 1887. The balance of N $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 30, was irrigated in 1885.

Note: In earlier years land south of Martin Slough, now irrigated by Ezell and McFanning Ditch, was irrigated by Banning and McFanning Ditch.

H. Marquardt, Genoa, Nevada, claims water through Marquardt No. 1 Ditch or Boyd's East Ditch (commenced and completed in spring, 1866) to irrigate tract of 21 acres, being all of NW $\frac{1}{4}$, Sec. 14, T. 13 N., R. 19 E., lying E and N of river; and tract of 65 acres in SW $\frac{1}{4}$, Sec. 11, T. 13 N., R. 19 E., E of river.

Land described above was first irrigated by means of dams in Sloughs, in 1863.

H. Marquardt, Genoa, Nevada, claims water through Marquardt No. 2 or Boyd's West Ditch (commenced and completed in May, 1889) to irrigate 49 acres in NW $\frac{1}{4}$, Sec. 14, T. 13 N., R. 19 E., lying W and S of East Carson River.

Above land was first irrigated by means of dams in Sloughs and River, in 1863.

H. Marquardt, Genoa, Nevada, claims water through Boyd or William's Slough Ditch to irrigate 136 acres E of river in NE $\frac{1}{4}$, Sec. 14; 160 acres in NW $\frac{1}{4}$, Sec. 13; 80 acres in S $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 12; 40 acres in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 12; 97 acres in fractional SE $\frac{1}{4}$, Sec. 11; 80 acres in W $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 1; 160 acres in SE $\frac{1}{4}$, Sec. 2. All T. 13 N., R. 19 E.

Water was spread over land by throwing dams across slough as early as 1860; and all land described above was under irrigation by 1863.

Alexander Miller, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate 6 acres in SW part of NE $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E. Land was first irrigated in 1881.

Louis Nelson, Gardnerville, Nevada, claims water through Schroeder Highland Ditch (date of location and appropriation, December, 1894, construction commenced in spring, 1896, and completed to length of 293 rods. Extended $\frac{1}{2}$ mile in fall of 1901) to irrigate

19 acre tract in triangle of roads in S $\frac{1}{2}$ of N $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 9, T. 12 N., R. 20 E.; 20 acres in E $\frac{1}{2}$ of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, T. 12 N., R. 20 E.; 10 acres in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, and 10 acres in NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 8, T. 12 N., R. 20 E.

Five acres near house in NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, were irrigated by J. H. Schroeder in 1895, and balance of 19 acre tract in triangle of roads in 1896. E $\frac{1}{2}$ of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, was irrigated by J. H. Schroeder in 1897; 10 acres in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, and 5 acres in NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 8, lying on highland were irrigated by Louis Nelson in 1902.

Louis Nelson, Gardnerville, Nevada, claims water through L. Thompson Ditch (begun and completed in April, 1888) to irrigate 3 acres in NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 8, T. 12 N., R. 20 E. Land was first irrigated in spring of 1894, by Louis Nelson.

Louis Nelson, Gardnerville, Nevada, claims water through Louis Nelson Ditch (begun and completed in spring, 1892) to irrigate 6 acres lying S of Stone Slough in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, T. 12 N., R. 20 E.; 17 acres in NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 8, T. 12 N., R. 20 E., lying S of Stone Slough.

Six-acre tract in Sec. 9 was irrigated by Louis Nelson in 1892 and 17-acre tract in Sec. 8 in 1893.

Mrs. S. A. Pettegrew, Gardnerville, Nevada, claims water through Lampe Cottonwood Slough Ditch (commenced and completed in the spring of 1871) to irrigate 1 acre in NW cor. of NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 4, T. 12 N., R. 20 E. Land was first irrigated in 1871.

Peter Robeck, Gardnerville, Nevada, claims water through Ezell and McFanning Ditch to irrigate Gardnerville Lot of $\frac{1}{2}$ acre in SW part of the SW $\frac{1}{4}$, Sec. 33, T. 13 N., R. 20 E. Land was first irrigated in 1878.

Jacob Rodenbah, Gardnerville, Nevada, claims water through Rodenbah flume (pump installed in August, 1899, and flume completed in August, 1899) to irrigate 99 acres in T. 12 N., R. 20 E., as follows: 4 acres in SE cor. of NW $\frac{1}{4}$, Sec. 24; 4 acres in SW cor. of NE $\frac{1}{4}$, Sec. 24; 50 acres in E $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 24; 37 acres in W $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 24; 4 acres in NE cor. of NW $\frac{1}{4}$, Sec. 25.

Half of 4-acre patch in Sec. 25, was irrigated from Old Pump Ditch, in 1880, and remaining half in 1901; 4 $\frac{1}{2}$ acres SW of road in SW $\frac{1}{4}$ of Sec. 24, were irrigated in 1899; 60 acres in SW $\frac{1}{4}$ and SE $\frac{1}{4}$, Sec. 24, were irrigated in 1900. Balance of tract was irrigated in 1901.

Jacob Rodenbah, Gardnerville, Nevada, claims water through Rodenbah Pump Ditch (construction commenced and completed in spring, 1880, and enlarged to present size in 1885) for power to run pump to ditch capacity of 32 cubic feet per second, and also to irrigate 6 acres lying between river and bluff, in NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 25, T. 12 N., R. 20 E. Water was first used for power and irrigation of above tract in 1880.

Mrs. Dora Rohlfis, Gardnerville, Nevada, claims water through Hert Ditch to irrigate Waterloo Lot of 5 acres in NE cor. of SW $\frac{1}{4}$, Sec. 6, T. 12 N., R. 20 E. Lot was first irrigated in 1896.

Fritz Schacht, Genoa, Nevada, claims water through Emigrant Ditch (commenced 1864 and completed 1865) and from Rosser Ditch (constructed in 1891) to irrigate 160 acres in NE $\frac{1}{4}$, Sec. 13, and 88 acres in S part of SE $\frac{1}{4}$, Sec. 12, T. 13 N., R. 19 E.

Half of 136 acre tract lying S of road in NE $\frac{1}{4}$, Sec. 13, was irrigated in 1891, and remaining half in 1892; 24 acre tract lying N of road in NE $\frac{1}{4}$, Sec. 13, and 88 acre tract in SE $\frac{1}{4}$, Sec. 12, were put under irrigation in 1903.

Note: Fritz Schacht also claims waste water in spring of year to run on 232 acres of sagebrush land in E $\frac{1}{2}$ of Sec. 12, and 320 acres in E $\frac{1}{2}$ of Sec. 1, T. 13 N., R. 19 E.

Fritz Schacht, Genoa, Nevada, claims water through Williams Slough Ditch (commenced and completed in 1861) to irrigate 160 acres in NE $\frac{1}{4}$, Sec. 11, and 63 acres in N part of SE $\frac{1}{4}$, Sec. 11, T. 13 N., R. 19 E. Land described above was under irrigation in 1864.

Fritz Schacht, Genoa, Nevada, claims water through Middle Ditch or Frey Extension South (Old Frey Ditch was constructed in 1864-65, and South Extension was constructed in 1897) to irrigate 80 acres in N $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 12; 80 acres in S $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 12; 40 acres in NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 12; 80 acres in E $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 1. All in T. 13 N., R. 19 E.

S $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 12, and N $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 12, were under irrigation by 1864, water having been first used from Williams Slough.

Henry Elges irrigated E $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 1, and NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 12, in 1879.

F. Seeman, Genoa, Nevada, claims water through Boyd or Williams Slough to irrigate tract of 141 acres, being all of NW $\frac{1}{4}$, Sec. 11, N and E of river, and tract of 10 acres in NE cor. of SW $\frac{1}{4}$, Sec. 11, T. 13 N., R. 19 E. Above land was first irrigated by Lawrence Frey and Corral, in 1862.

Arnold Settlemeyer, Gardnerville, Nevada, claims water through the Allerman Ditch (commenced and completed in 1861) to irrigate 25 acre tract lying W and S of county road, in SW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 14, T. 12 N., R. 20 E., and 120 acre tract lying between said ditch and East Carson River, in Sec. 23, T. 12 N., R. 20 E.

Dick Wheeler irrigated 20 acres in W part of N $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 23, in 1861; 15 acres in N $\frac{1}{2}$, Sec. 23, were irrigated in 1862, and balance of land, lying W of fence by orchard, was irrigated in 1863; 10 acres in SW cor. of SW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 14, were irrigated in 1862. Orchard tract was irrigated in 1871. Balance of 25 acre tract, in Sec. 14, was irrigated in 1875; 25 acre tract lying along the road, in N part of NE $\frac{1}{4}$, Sec. 23, was irrigated in 1875.

Arnold Settlemeyer, Gardnerville, Nevada, claims water through Highflyer Ditch

(commenced Nov., 1868, completed Feb., 1869) to irrigate 40 acre tract lying between said ditch and Allerman Ditch in S part of NE $\frac{1}{4}$, Sec. 23, and N part of SE $\frac{1}{4}$, Sec. 23, T. 12 N, R. 20 E. Said tract was irrigated by Diedrich Bartels in 1869.

F. C. Springmeyer, Gardnerville, Nevada, claims water through Wheeler Slough Ditch (laterals first used from slough in 1857) to irrigate 51 acres lying S and W of County road, in S $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 11, and 100 acres W of County road in NW $\frac{1}{4}$, Sec. 14, and 16 acres E of County road in NW $\frac{1}{4}$, Sec. 14, all in T. 12 N, R. 20 E.

Tract of 62 acres in NW $\frac{1}{4}$, Sec. 14, and 33 acres in SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 11, was partially irrigated in 1857, and was all irrigated by 1859. 16 acre tract E of road in NW $\frac{1}{4}$, Sec. 14, was under irrigation by 1860. And balance of land described above was under irrigation by 1864.

H. H. Springmeyer, Gardnerville, Nevada, claims water through Madison Ditch (commenced March 15, 1858, and completed April 15, 1858, and enlarged March 1, 1878) to irrigate 102 acres S of Cottonwood Slough in SW $\frac{1}{4}$, Sec. 32; 61 acres S of Cottonwood Slough in NE $\frac{1}{4}$, Sec. 31; 70 acres N and E of East Carson River, in N $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 31. All in T. 13 N, R. 20 E.

Chas. Topping irrigated all of SW $\frac{1}{4}$, Sec. 32, lying S of Cottonwood Slough, in 1858, and all of Sec. 31, described above, in 1860.

NOTE: H. H. Springmeyer also claims water from Topping Ditch No. 2 to irrigate land in Sec. 31, described above.

H. H. Springmeyer, Gardnerville, Nevada, claims water through Topping Cottonwood Ditch (commenced March 15, 1860, and completed May 1, 1860) to irrigate 34 acres in NE $\frac{1}{4}$, Sec. 31, between Cohn Ditch and Cottonwood Slough; 12 acres in SW cor. of NW $\frac{1}{4}$, Sec. 32, between Cohn Ditch and Cottonwood Slough, and 48 acres in SW $\frac{1}{4}$, Sec. 32, between Cohn Ditch and Cottonwood Slough. All in T. 13 N, R. 20 E.

Chas. Topping irrigated all lands described above, in 1858, by water from what is now Madison Ditch.

H. H. Springmeyer, Gardnerville, Nevada, claims water through Gardner and Springmeyer Ditch (commenced Feb. 1, 1873, and completed to length of 20 chains June 1, 1873, and extended to length of 75 chains June 1, 1876) to irrigate 29 acres S of County road, in SE $\frac{1}{4}$, Sec. 30; 13 acres, S and W of road, in SW cor. of NE $\frac{1}{4}$, Sec. 32; 64 acres N of Cohn Ditch in NE $\frac{1}{4}$, Sec. 31; 102 acres between road and Cohn Ditch, in NW $\frac{1}{4}$, Sec. 32; 15 acres N of Cohn Ditch, in NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 32. All in T. 13 N, R. 20 E.

H. H. Springmeyer irrigated 100 acres in NW $\frac{1}{4}$, Sec. 32, in 1876, 50 acres more in 1877 and balance of land described above in 1878.

NOTE: H. H. Springmeyer also claims water from Reservoir Ditch (commenced Jan. 20, 1878, and completed May 1, 1878) to irrigate land described above.

F. W. Stodieck, Gardnerville, Nevada, claims water through Stodieck Ditch (began in fall, 1865, and completed April, 1866, and enlarged June, 1886) to irrigate 44 acres lying S of Lightle Ditch, in S part of NW $\frac{1}{4}$, Sec. 5, T. 12, N, R. 20 E. Above land was irrigated in April, 1866.

F. W. Stodieck, Gardnerville, Nevada, claims water through Lightle Ditch (commenced and completed, in 1860) to irrigate 81 acres lying between Lightle Ditch and East Carson River, in NW $\frac{1}{4}$, Sec. 5, T. 12 N, R. 20 E. Above land was irrigated in spring of 1860.

Peter Svansen, Gardnerville, Nevada, claims water through the Ezell and McFanning Ditch to irrigate Gardnerville Lot of 5 acres in NW part of SE $\frac{1}{4}$, Sec. 32, T. 13 N, R. 20 E. Land was first irrigated in 1879.

August Syll, Gardnerville, Nevada, claims water through Old Henningsen Company Ditch, now known as Lange and Syll Ditch (began and completed in spring, 1864) to irrigate 12 acres in NE cor. of NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 9, T. 12 N, R. 20 E. Land was first irrigated by John Henningsen in 1876.

Herman Thran, Gardnerville, Nevada, claims water through Winkelman East Ditch (see claim of Fritz Cordes above) to irrigate 7 acre tract lying N of Hogrefe Slough, in SW $\frac{1}{4}$, Sec. 7, T. 12 N, R. 20 E. Land was first irrigated in 1864.

Herman Thran, Gardnerville, Nevada, claims water through Hogrefe Slough Ditch South (constructed in 1897) to irrigate 20 acres S of Hogrefe Slough, in SW $\frac{1}{4}$, Sec. 7, T. 12 N, R. 20 E.

Previous to construction of said Ditch, and ever since 1867, land described above was irrigated from Winkelman East Ditch by means of a flume across Hogrefe Slough, which was removed after Hogrefe Slough Ditch South was constructed.

Dick Wennhold, Gardnerville, Nevada, claims water through L. M. Christensen South East Ditch (commenced and completed in spring, 1862) to irrigate 20 acres in SW cor. of SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 10, T. 12 N, R. 20 E. This land was irrigated by Joel Smith in 1863.

Dick Wennhold, Gardnerville, Nevada, claims water through Christensen, Hussman Co. Ditch (began in winter, 1877, and completed in spring, 1878) to irrigate 9 acres of pasture lying along River and S and W of River, in NW $\frac{1}{4}$, Sec. 10, and 92 acres lying S of River, in NE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 9, and S $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 9, T. 12 N, R. 20 E.

Fifteen acres in NE $\frac{1}{4}$, Sec. 9, were irrigated by Joel Smith in 1863, from L. M. Christensen SE Ditch; 10 acres in NE $\frac{1}{4}$, Sec. 9, were irrigated by L. M. Christensen in 1875, from L. M. Christensen SE Ditch; 20 acres in NE $\frac{1}{4}$, Sec. 9, and 12 acres in SW cor. of NE $\frac{1}{4}$, Sec. 9, were irrigated by L. M. Christensen from L. M. Christensen SE Ditch in 1877.

Balance of land described above was irrigated little by little until all was under irrigation by 1881.

Niels Peter Wilslef, Gardnerville, Nevada, claims water through the Louis Heitman Ditch to irrigate 9 acres in NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, T. 12 N, R. 20 E. Land was irrigated by Hans Johnson in 1896.

Niels Peter Wilslef, Gardnerville, Nevada, claims water through the Niels Wilslef Ditch (began and completed in spring, 1898) to irrigate 8 acres in NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 9, T. 12 N, R. 20 E. Land was first irrigated by Hans Johnson, in 1896.

Thomas N. Wilslef, Gardnerville, Nevada, claims water through Christensen South East Ditch (commenced and completed in spring, 1862) to irrigate 25 acres lying N of Slough in N $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 10, T. 12 N, R. 20 E. 4 acres of above tract was irrigated by Peter Wilslef in 1883. Balance of land was irrigated little by little until all was under irrigation by 1888.

Thomas N. Wilslef, Gardnerville, Nevada, claims water from Wilslef Ditch (commenced and completed in April, 1862) to irrigate 29 acres lying along S side of Stoney Slough in SW $\frac{1}{4}$, Sec. 10, T. 12 N, R. 20 E.

Peter Wilslef irrigated 16 acres of above in 1883. Balance was irrigated in 1885.

Dick Winkleman, Gardnerville, Nevada, claims water through Company Ditch (see claim of Henry C. Elges above) to irrigate 34 acres in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 3, T. 12 N, R. 20 E, and 80 acres in W $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 34, T. 13 N, R. 20 E.

J. B. Chinn irrigated 25 acres in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 3, and W $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 34, in spring, 1866. Balance of W $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 34, was irrigated little by little until all was under irrigation in 1872. NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 3, was abandoned to sagebrush and again irrigated in 1878.

WEST CARSON RIVER.

H. D. Allerman, Genoa, Nevada, claims water through Supply Ditch (commenced and completed in spring, 1863) to irrigate 72 acres in S $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 34, T. 13 N., R. 19 E.

William Cosser first irrigated about 30 acres in N $\frac{1}{4}$ of S $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 34, in 1854, by means of dams in Brockliss Slough. Balance of land was first irrigated in 1863, by Niels Morrison.

Henry Bassman, Fredericksburg, Cal., claims water through Fredericksburg branch of West Carson Company Ditch (begun and completed in 1863) to irrigate 7 acres in NE cor. of NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 6, T. 11 N., R. 20 E. Tract was first irrigated by Capt. Smith in 1864.

H. P. Christensen, Sheridan, Nevada, claims water through Rodger's Ditch (commenced and completed in 1884) to irrigate 45 acres E. of slough in eastern part of S $\frac{1}{2}$ NW $\frac{1}{4}$, Sec. 2, T. 12 N., R. 19 E.

Potter irrigated 45 acre tract through ditch out of dam in Hickey's Field in 1865. Tract has been irrigated through Rodger's Ditch since 1890.

L. M. Christensen, Sheridan, Nevada, claims water through Bart Cary Ditch (commenced and completed in 1855) and East Branch Brockliss Slough to irrigate 135 acres in NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 13; NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 13; SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 13, T. 12 N., R. 19 E.; and SW $\frac{1}{4}$ of NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 18; SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 18; and N triangular strip in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 19, T. 12 N., R. 20 E.

Bart Cary and Hutch irrigated 15 acres in E half of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 18, in 1855. Balance of tract was irrigated little by little until all was under irrigation in 1864.

L. M. Christensen, Sheridan, Nevada, claims water through Park and Bull Ditch (commenced and completed in 1877) to irrigate 75 acres in SW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 13; NE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 24, T. 12 N., R. 19 E.; and a triangular strip in SW cor. of NE $\frac{1}{4}$, Sec. 19, T. 12 N., R. 20 E.

Part of this tract was irrigated by waste water from Squires and Jones Ditch in 1860. Entire tract was under irrigation through Jones Co. Ditch in 1867, and continued under said ditch until 1898, since which time it has been irrigated through Park and Bull Ditch.

Mrs. Mary Cosser, Genoa, Nevada, claims water through supply ditch (commenced and completed in 1863) to irrigate 75 acres in N $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 34; 50 acres in S $\frac{1}{2}$ of S $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 27; 20 acres in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 35; and 15 acres in SW cor. of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 26; all in T. 13 N., R. 19 E.

William Cosser irrigated above tract by water from Brockliss Slough and West Fork of Carson River in 1854.

William Dressler, Sheridan, Nevada, claims water through Dry Ditch (commenced and completed in 1863, Dutch Fred No. 2 Ditch commenced and completed in 1881, Dressler and Sattelmeyer Ditch commenced and completed in 1860 and extended in 1865) and West side, Dressler and Sattelmeyer Ditch (commenced and completed in 1894) to irrigate 712 acres in SW $\frac{1}{4}$, Sec. 32; NW $\frac{1}{4}$, Sec. 32; SW $\frac{1}{4}$, Sec. 29; SE $\frac{1}{4}$, Sec. 30; S $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 30; and NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 30, T. 12 N., R. 20 E. A small part of the above tract was irrigated in 1865. Balance was irrigated little by little until all was under irrigation in 1884.

William Dressler, Sheridan, Nevada, claims water through Tillman and Falk Ditch (commenced and completed in 1879 and extended in 1885) and Milch Ditch to irrigate 214 acres in SW $\frac{1}{4}$, Sec. 21, and S $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 20, and SE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 20, T. 12 N., R. 20 E.

Eighty acres in SW $\frac{1}{4}$, Sec. 21, were irrigated by Falk in 1886. Balance of tract was irrigated little by little until all was under irrigation in 1904.

Note: Mud Lake Reservoir Ditch is known as Milch at head in Woodford's Canyon. This ditch was extended to irrigate present land in 1883.

M. Fay, Sheridan, Nevada, claims water through West Carson Company Ditch (commenced and completed in 1863) to irrigate 339 acres in E $\frac{1}{2}$ of W $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 25; E $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 25; NE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 36; and NE cor. of SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 36, T. 12 N., R. 19 E.; and W $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 31; W $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 30; and SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 30, T. 12 N., R. 20 E. About 100 acres in SE $\frac{1}{4}$, Sec. 25, were irrigated in 1864 by John Olds. Balance of tract was under irrigation in 1865.

William Dressler, Sheridan, Nevada, claims water through William Dressler Ditch (commenced 1860 and completed 1863), Tucke Ditch (commenced and completed spring of 1863), and Dutch Fred No. 3 Ditch (commenced and completed in 1860) to irrigate 98 acres in W $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 32 and W $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 29, T. 12 N., R. 20 E. Part of the above tract was irrigated in 1861 by F. Dressler and Tucke, and all of the tract was irrigated in 1864 by F. Dressler, J. Green and Tucke.

William Dressler, Sheridan, Nevada, claims water through Middle Co. Ditch (commenced and completed in 1860) to irrigate 50 acres in E $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 29, T. 12 N., R. 20 E. Part of tract was irrigated by Selge in 1860 and entire tract by F. Dressler in 1861.

Dick Fricke, Sheridan, Nevada, claims water through Park and Bull Ditch (com-

menced and completed in 1877) to irrigate 9 acres in NE cor. of NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 14, T. 12 N., R. 19 E. Water was first used through said ditch in 1877.

Dangberg Land and Livestock Company, Gardnerville, Nevada, claims water through the Brockliss Slough, Brockliss No. 1, 2 and 3, Supply, Haines Ditches and Dams in West Fork and sloughs, to irrigate the following:

Sec. 35, T. 13 N., R. 19 E.: 288 acres in E $\frac{1}{2}$ were irrigated in 1858.

Sec. 26, T. 13 N., R. 19 E.: 80 acres in W $\frac{1}{2}$ of E $\frac{1}{2}$ were irrigated in 1858; 142 acres in W $\frac{1}{2}$ were irrigated in 1857.

Sec. 27, T. 13 N., R. 19 E.: 21 acres in E part of NE $\frac{1}{4}$ were irrigated in 1857.

Sec. 23, T. 13 N., R. 19 E.: 256 acres being all of section W of West Carson River were irrigated in 1857.

Sec. 22, T. 13 N., R. 19 E.: 110 acres in E $\frac{1}{2}$ were irrigated in 1857.

Henry Godecke, Sheridan, Nevada claims water through West Carson Co. Ditch (commenced and completed in 1863) to irrigate 35 acres in NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 6; 3 acres in SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 6; 40 acres in NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 6; 34 acres in SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 6; and 2 acres in NW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 6, T. 11 N., R. 20 E. Land was first irrigated in 1864.

Andrew Hansen, Gardnerville, Nevada, claims water through Brockliss Ditch (commenced and completed in 1855) to irrigate 7 acres lying N and E of Brockliss Slough in NE cor. of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E. Land was first irrigated in 1857 by Job.

Andrew Hansen, Gardnerville, Nevada, claims water through Hansen's New Ditch to irrigate 34 acres lying S and W of Brockliss Slough in SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E. Land was first irrigated by Parsons in 1871.

Mathias Hansen, Gardnerville, Nevada, claims water through Hansen's New Ditch (commenced and completed in 1902) to irrigate 200 acres in NW $\frac{1}{4}$, Sec. 13, and E $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 14, T. 12 N., R. 19 E.

About 80 acres in SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 14, and S $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 13, were irrigated by Palmer's waste water in 1852, by Duncan and Haines. Tract was irrigated little by little until all was under irrigation in 1863. All water used before 1871, came from waste water through Palmer's field, and from 1871 until 1902 water came through Parson's Ditch.

Mathias Hansen, Gardnerville, Nevada, claims water through Brockliss Ditch (commenced and completed in 1855) to irrigate 39 acres in SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 12; 38 acres in SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 12; 75 acres in W $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 12; 75 acres in E $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 12; 18 acres in E $\frac{1}{2}$ of NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 12; and 8 acres in E $\frac{1}{2}$ of NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 13, T. 12 N., R. 19 E. Part of this tract was irrigated by Job in 1855. Balance of tract was irrigated by 1857.

J. Hickey, Sheridan, Nevada, claims water through Hickey No. 2 Ditch, and Hickey No. 4 Ditch (both constructed in 1863) to irrigate 178 acres lying West of Brockliss Slough in SE $\frac{1}{4}$, Sec. 2, and triangular strip in E $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 2, T. 12 N., R. 19 E.

Most of above tract was irrigated in 1857 and 1858 and all was irrigated by 1863 by D. B. Park.

J. Hickey, Sheridan, Nevada, claims water through Hickey No. 1 Ditch, and Hickey No. 3 Ditch (commenced and completed in 1863) to irrigate 80 acres in W $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 1, T. 12 N., R. 19 E.

Most of this tract was irrigated in 1857-58, and all was irrigated by D. B. Park in 1863.

Chris Johnson, Gardnerville, Nevada, claims water from dam in Brockliss Slough to irrigate 40 acres in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 35, T. 13 N., R. 19 E., and 18 acres in S $\frac{1}{2}$ of NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 35.

John Harvey irrigated above land in 1863 by water brought in flume from Supply Ditch.

Chris Johnson, Gardnerville, Nevada, claims water through Line Center and Lower Ditches (all constructed in 1863) to irrigate 157 acres in NE $\frac{1}{4}$, Sec. 2, T. 12 N., R. 19 E.

William Mullen, irrigated above tract by means of dams in Brockliss Slough in 1850.

Chris Johnson, Gardnerville, Nevada, claims water through Supply Ditch to irrigate 80 acres in S $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 35; 20 acres in N $\frac{1}{4}$ of NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 35; and 18 acres in SE cor. of N $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 35, T. 13 N., R. 19 E.

Israel Mott and sons and son-in-law irrigated above tract in 1854 by means of dams in Brockliss Slough.

H. Johnson, Sheridan, Nevada, claims water through Hansen's New Ditch to irrigate 78 acres in S $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 11, T. 12 N., R. 19 E. Part of tract was irrigated in 1858-59 by Cook. All of tract was irrigated from Parson's Ditch by 1871.

D. R. Jones, Sheridan, Nevada, claims water through Jones Co. Ditch (constructed in 1867) to irrigate 146 acres lying W of Brockliss Slough in S $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 19, and W $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 19, T. 12 N., R. 20 E.

Twenty acres in W $\frac{1}{2}$ of SW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 19, was irrigated in 1858 by D. R. Jones, and balance of above tract was under irrigation by 1863. From 1858 to 1867, above tract was irrigated by Jones West Ditch.

D. R. Jones, Sheridan, Nevada, claims water through Jones West Ditch (constructed in 1858 and enlarged in 1860) to irrigate 75 acres lying between Brockliss Slough and West Carson River in SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 19; fraction of NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 19; and fraction of W $\frac{1}{2}$ of SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 20, T. 12 N., R. 20 E. Part of tract was irrigated in 1858 and entire tract in 1859.

D. R. Jones, Sheridan, Nevada, claims water through Jones East Ditch (constructed in 1862 and enlarged in 1884) and East Company Ditch (constructed in 1875) to irrigate 82 acres in $W\frac{1}{2}$ of $SW\frac{1}{4}$, Sec. 20, T. 12 N., R. 20 E. About 40 acres of this tract was irrigated in 1862 by D. R. Jones. And all of tract was irrigated by 1875.

Warren Mott, Genoa, Nevada, claims waste water from F. Dangberg, Chris Johnson, and John Thompson land, to irrigate 80 acres in $S\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 35, T. 13 N., R. 19 E. Waste water has been used since 1864.

Neddenreip & Helse, Fredericksburg, California, and Gardnerville, Nevada, claims water through West Carson Ditch (constructed in 1863), to irrigate 304 acres in $S\frac{1}{4}$ of Sec. 31, T. 12 N., R. 20 E.; 80 acres in $E\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 6, T. 11 N., R. 20 E.; 30 acres in $NE\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 6, T. 11 N., R. 20 E. and 3 acres in $NE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 36, T. 12 N., R. 19 E.

John Baldwin and I. Livingood irrigated land described above in Sec. 31 and Sec. 36 in 1864. Balance of tract was irrigated in 1873.

Ben Palmer, Sheridan, Nevada, claims water through Park and Bull Ditch (constructed in 1877) and Jones Company Ditch (constructed in 1862) to irrigate 476 acres in $E\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 14; most of $E\frac{1}{4}$, $NE\frac{1}{4}$, Sec. 23; $SW\frac{1}{4}$, Sec. 13; $NW\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 13; $NW\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 24; $N\frac{1}{2}$ of $NW\frac{1}{4}$, Sec. 24; and triangular strip in NW cor. of $S\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 24, T. 12 N., R. 19 E.

Barber and Kinney irrigated a small part of above tract in $SW\frac{1}{4}$, Sec. 13, or $NW\frac{1}{4}$, Sec. 24, in 1854, by dam and river. Balance was irrigated little by little until all was under irrigation in 1864. Prior to construction of Park and Bull Ditch water was used through Jones Company Ditch.

D. B. Park, Genoa, Nevada, claims water through Park and Bull Ditch (commenced and completed in 1877) to irrigate 100 acres in fractions of $E\frac{1}{4}$ of $W\frac{1}{2}$ of $SW\frac{1}{4}$, Sec. 2; $N\frac{1}{2}$ of $NW\frac{1}{4}$, Sec. 11; and $SE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 2, T. 12 N., R. 19 E.

About 60 acres of above tract were irrigated in 1857 by Mott and Pettegrew in $N\frac{1}{2}$ of $NW\frac{1}{4}$, Sec. 11, and $SW\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 2. Balance of tract was first irrigated in 1877. The 60 acres irrigated in 1857 were irrigated from a ditch out of a slough now called Big Ditch and by means of dams in same slough.

D. B. Park, Genoa, Nevada, claims water through Big Ditch (constructed in 1863), Main Ditch of lower field (constructed in 1890), and Park Slough Ditch (constructed in 1890) to irrigate 272 acres in fractions of $NE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 2; $SE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 2; NE cor. of $NE\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 11; $W\frac{1}{2}$ of $NE\frac{1}{4}$, Sec. 11; $N\frac{1}{2}$ of $SE\frac{1}{4}$, Sec. 11; $SE\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 11; and triangular strip in $SW\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 12; and $W\frac{1}{2}$ of $NW\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E. Most of this tract was irrigated by Singleton in 1852, by means of dams and sloughs, and the entire tract was irrigated in 1863.

Hugh Park, Sheridan, Nevada, claims water through Big Ditch (constructed in 1863-64) to irrigate 11 acres in $E\frac{1}{4}$ of $E\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 11, T. 12 N., R. 19 E. This tract was irrigated from slough, now straightened and called Big Ditch, since 185...

Hugh Park, Sheridan, Nevada, claims water through Park and Bull Ditch (constructed in 1877) to irrigate 54 acres lying between Park and Bull Ditch and Big Ditch in $NW\frac{1}{4}$, Sec. 11, T. 12 N., R. 19 E.

Entire tract was irrigated by H. Park in 1877. Previously to 1877, and continuously since 185..., a part of this tract (35 acres) was irrigated from slough now called Big Ditch.

Chris Rabe, Sheridan, Nevada, claims water through Park Ditch (constructed in 1894) to irrigate 50 acres in $NE\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 11, and $N\frac{1}{2}$ of $SW\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E.

Entire tract was irrigated by Sam Singleton in 1857. From 1864 to 1894, tract was irrigated from Rabe Ditch.

Chris Rabe, Sheridan, Nevada, claims water through Rabe Ditch (constructed in 1864) to irrigate 170 acres in $E\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 1; and $N\frac{1}{2}$ of $NW\frac{1}{4}$, Sec. 12; and fraction of $SW\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E.

Sam Singleton irrigated 70 acres of above tract in $W\frac{1}{2}$ of $NW\frac{1}{4}$, Sec. 12, in 1857. Balance of tract was irrigated by Mott in 1858, by dams and river. Land has been irrigated since 1864 by Rabe Ditch.

A. Radloff, Gardnerville, Nevada, claims water through the Bart Cary Ditch (constructed in 1855 and extended in 1861), to irrigate 20 acres in $NE\frac{1}{4}$ of $NW\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18; 15 acres in $SW\frac{1}{4}$ of $NE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18, and 13 acres in $SE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18, T. 12 N., R. 20 E. Bart Cary and Hutch irrigated 10 acres in $S\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18, in 1855. Balance of tract was irrigated little by little until all was under irrigation in 1864.

A. Radloff, Gardnerville, Nevada, claims water through Winkelman Ditch (constructed in 1864 and extended in 1875) to irrigate 25 acres in $NE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18; 15 acres in $W\frac{1}{2}$ of $W\frac{1}{2}$ of $SE\frac{1}{4}$, Sec. 18; 9 acres in $SE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18, T. 12 N., R. 20 E.

Christensen irrigated 10 acres in $NE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18, in 1864. Entire tract was under irrigation in 1869 or 1870.

L. Rubenstroth, Gardnerville, Nevada, claims water through Jones Company Ditch (constructed in 1867) to irrigate 40 acres in $NE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 19; 10 acres in $E\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 19; 15 acres in $SE\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 29; 25 acres in $NW\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 19, and 20 acres in $SW\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 19, all lying W of Brockliss Slough in T. 12 N., R. 20 E.

Part of tract was irrigated by A. P. Squires in 1858 or 59. Entire tract was irrigated by A. P. Squires in 1862. Prior to construction of Company Ditch, water was taken from another ditch constructed in 1858 or 59 and now abandoned.

L. Rubenstroth, Gardnerville, Nevada, claims water through Bart Cary Ditch (constructed in 1855), Squires Ditch (constructed in 1860), East Co. Ditch (constructed in 1875), and Big Ditch (constructed in 1901) to irrigate 255 acres situated as follows: 5 acres in $NE\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 19; 10 acres in $NW\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 19; 20 acres in $SE\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 19; 5 acres in $NW\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 19; 35 acres in $NE\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 19; 150 acres in $NE\frac{1}{4}$, Sec. 19; 20 acres in $S\frac{1}{4}$ of $SE\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 18; 5 acres in $S\frac{1}{4}$ of $SW\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18; 5 acres in $SE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 18; all in T. 12 N., R. 20 E.

A. P. Squires irrigated most of $N\frac{1}{2}$ of $NE\frac{1}{4}$, Sec. 19, in 1858, and all under the Squires Ditch was irrigated in 1860. All land under Bart Cary Ditch was irrigated in 1857. 65 acres in $N\frac{1}{2}$ of $SE\frac{1}{4}$ and $S\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 19, were irrigated as follows: 15 acres in 1875, 30 acres in 1876, and 20 acres in 1877. Triangular strip of 12 acres in N part of $SE\frac{1}{4}$, Sec. 19, were irrigated by 1895, and 5 acres more were irrigated in 1903. 8 acres in SE cor. Sec. 19 were irrigated in 1904. Balance of tract was irrigated little by little until it was all under irrigation in 1904.

Wm. Scheele, Sheridan, Nevada, claims water through Dry Ditch (constructed in 1865) and West Carson Ditch (constructed in 1863) to irrigate 78 acres in $E\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 31; 78 acres in $E\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 30; 40 acres in $SE\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 30; and 3 acres in SW cor. of $SW\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 30, T. 12 N., R. 20 E.

I. Gandy and L. Olds irrigated part of tract in 1866, and entire tract was irrigated by I. Gandy, L. Olds and Sam McGowan in 1868.

Eugene Scossa and Alex. Scossa, Sheridan, Nev., claim water through Jones Co. Ditch (constructed in 1862) to irrigate 164 acres in fractions of $NE\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 23; $S\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 24; $NW\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 24; and $SW\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 24, T. 12 N., R. 19 E. Entire tract was irrigated by Wilson Miller in 1862.

H. W. Settelmeyer, Sheridan, Nevada, claims water from Middle Co. Ditch (constructed in 1860) and E. Co. Ditch (constructed in 1875) to irrigate 110 acres in $N\frac{1}{2}$ of $NW\frac{1}{4}$, Sec. 29; and $SE\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 29, T. 12 N., R. 20 E. Part of tract was irrigated by Selge in 1860. Entire tract was under irrigation by Irwin in 1875.

H. W. Settelmeyer, Sheridan, Nevada, claims water through Settelmeyer and Dressler Ditch (constructed 1860 and extended 1865) and West Side Ditch, to irrigate 72 acres lying W of Brockliss Slough in $NE\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 30; $SW\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 29 and SW cor. of $SE\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 29, T. 12 N., R. 20 E. Entire tract was first irrigated in 1870.

H. W. Settelmeyer, Sheridan, Nevada, claims water through Tillman and Falk Ditch (constructed in 1879 and extended in 1885) to irrigate 75 acres in $N\frac{1}{2}$ of $NE\frac{1}{4}$, Sec. 29, T. 12 N., R. 20 E.; 45 acres in small fractions of $SE\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 29; $NE\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 32; $NW\frac{1}{4}$ of $NW\frac{1}{4}$, Sec. 33; and $SW\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 29, T. 12 N., R. 20 E. and 72 acres in $W\frac{1}{2}$ of $NE\frac{1}{4}$, Sec. 5, T. 11 N., R. 20 E.

M. Laveroni irrigated part of $W\frac{1}{2}$ of $NE\frac{1}{4}$, Sec. 5, in 1879. All of tract in $W\frac{1}{2}$, $NE\frac{1}{4}$, Sec. 5, was irrigated in by 1880, by M. Laveroni; 45 acre tract, described above, was irrigated in 1886; 25 acres in $NE\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 29, were irrigated in 1900. And 75-acre tract in $N\frac{1}{2}$ of $NE\frac{1}{4}$, Sec. 29, was irrigated in 1903.

P. T. Smith, Sheridan, Nevada, claims water through Park and Bull Ditch (constructed in 1877) to irrigate 67 acres in $NW\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 14; $E\frac{1}{4}$ of $SW\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 14; and triangular strip in SW cor. of $E\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 14; T. 12 N., R. 19 E.

Duncan irrigated part of tract in 185... and all tract was under irrigation by 1863. Previous to construction of Park and Bull Ditch land was irrigated from dams in the slough.

L. Springmeyer, Sheridan, Nevada, claims water through Brockliss Ditch (constructed in 1855) to irrigate 7 acres on W side of $E\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 12; and 60 acres in $NE\frac{1}{4}$, Sec. 13, T. 12 N., R. 19 E.

Job irrigated 25 acres in $NW\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 13, and $E\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 13, in 1856. Balance of tract was irrigated little by little until all was under irrigation by 1870.

L. Springmeyer, Sheridan, Nevada, claims water through Winkelman Ditch (constructed in 1864 and extended in 1875), from pond near Centerville, and waste water from Heize lands, to irrigate 73 acres in $E\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E.; 41 acres in $E\frac{1}{4}$ of $NE\frac{1}{4}$, Sec. 13, T. 12 N., R. 19 E.; 40 acres in $W\frac{1}{2}$ of $W\frac{1}{2}$ of $SW\frac{1}{4}$, Sec. 7, T. 12 N., R. 20 E.; and 159 acres in $NW\frac{1}{4}$, Sec. 18, T. 12 N., R. 20 E. 100 acres in $NW\frac{1}{4}$, Sec. 18; 20 acres in $E\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 12; and 15 acres in $W\frac{1}{2}$ of $W\frac{1}{2}$ of $SW\frac{1}{4}$, Sec. 7, were irrigated in 1864 by H. Winkelman. Balance of tract was irrigated little by little until all was under irrigation by 1870, by H. Winkelman. About 5 acres in $SW\frac{1}{4}$, Sec. 7, is irrigated by waste water from Heize land.

W. J. Swail, Sheridan, Nevada, claims water through Park and Bull Ditch and Big Ditch to irrigate 60 acres E of Park and Bull Ditch in $NE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 11; and a small strip in E side of $W\frac{1}{2}$ of $SW\frac{1}{4}$, Sec. 11, T. 12 N., R. 19 E.

Sam Singleton irrigated part of land in $NE\frac{1}{4}$ of $SW\frac{1}{4}$, Sec. 11, in 1858 from slough, now Big Ditch. Entire tract was under irrigation by 1864. Nearly all of water used by claimant comes from springs upon his land and flows into Park and Bull Ditch, from which it is again taken.

Mrs. A. M. Taylor, Genoa, Nevada, claims waste water from F. Dangberg, Chris Johnson and John Thompson land to irrigate 5 acres in $SW\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 34; 15 acres in $NW\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 34, and 30 acres in $SE\frac{1}{4}$ of $SE\frac{1}{4}$, Sec. 34, T. 13 N., R. 19 E. Waste water has been used since 1864.

J. C. Thomson, Sheridan, Nevada, claims water from Rodgers Ditch (construction in 1884) to irrigate 73 acres in N $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 2, T. 12 N, R. 19 E.

Mott irrigated part of N $\frac{1}{2}$ of NW $\frac{1}{4}$ in 1865, by means of dams in river. Balance of tract was irrigated little by little until all was under irrigation by 1878. From 1878 to 1884 it was irrigated by ditch of A. Dias.

Herman Thran, Gardnerville, Nevada, claims water through Winkelman Ditch (constructed in 1864 and extended in 1875) to irrigate tract of 23 acres lying S of Hogrefe Slough in SE cor. of SW $\frac{1}{4}$, Sec. 7, T. 12 N, R. 20 E. Herman Winkelman irrigated said tract in 1875.

Richard Thran, Sheridan, Nevada, claims water through Dry Ditch (constructed in 1865) and waste water from West Carson Company Ditch, to irrigate 159 acres in NE $\frac{1}{4}$ of Sec. 31, T. 12 N, R. 20 E. About 10 acres in NW $\frac{1}{4}$, NE $\frac{1}{4}$ of Sec. 31, were irrigated by Capt. Asher, in 1865. Balance of tract was irrigated little by little until all was under irrigation by 1868.

Mrs. C. Mary Tucke, Sheridan, Nevada, claims water through West Carson Company Ditch (constructed in 1863) to irrigate 29 acres in S part of SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 25, T. 12 N, R. 19 E. Part of tract was irrigated in 1863, and balance in 1864.

Mrs. C. Mary Tucke, Sheridan, Nevada, claims water through Jones Company Ditch (constructed in 1867) to irrigate 171 acres in N $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 25, and N $\frac{1}{2}$ of S $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 25, T. 12 N, R. 19 E; and in N $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 30, T. 12 N, R. 20 E. Part of tract was irrigated in 1864. Entire tract was under irrigation by 1868.

Mrs. Lillies Van Sickle and J. P. Van Sickle claim water through Middle and Upper Ditches (both constructed in 1866) to irrigate 240 acres in T. 13 N, R. 19 E, as follows: 25 acres in SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26; 40 acres in NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26; 30 acres in SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 26; 15 acres in SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 26; 30 acres in SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26; 30 acres in NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 26; 30 acres in NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 35; 20 acres in NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 35; 5 acres in SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27; 10 acres in NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27; and 5 acres in SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27.

Entire tract was irrigated by P. W. Van Sickle from Old Channel of West Carson River, in 1857. Said Channel was used up to 1866, when ditches were constructed.

Casper Tucke, Carson, Nevada, claims water through Jones Company Ditch to irrigate 200 acres situated in SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 19; W $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 19, T. 12 N, R. 20 E; SE $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 24; E $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 24; and NW $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 24, T. 12 N, R. 19 E.

Jones Company Ditch was commenced and completed in 1867, but the 200 acres described above were irrigated since 1864 by means of an old ditch now replaced by Jones Company Ditch.

Casper Tucke also uses waste water from the West Carson Company Ditch to irrigate 80 acres in W $\frac{1}{2}$, SE $\frac{1}{4}$, Sec. 24; NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 24; and NW cor. of NW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 25, T. 12 N, R. 19 E. This use has continued since 1863.

MAIN CARSON RIVER IN DAYTON AND CHURCHILL VALLEYS.

Orlando Cardelli and Tancredi Cardelli, Dayton, Nevada, claim water through Cardelli Ditch (constructed April, 1877) to irrigate 20 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 4; 15 acres in N $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 4; 2 acres in NW cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 4, T. 16 N, R. 22 E; 4 acres in SE cor. SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 33; 30 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 33; 12 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33; 11 acres NW cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33; 9 acres SE cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33; 18 acres NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34; 8 acres E part SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 34; 12 acres in N part SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34, T. 17 N, R. 22 E.

20 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 4; 15 acres N $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 4; 2 acres NW cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 4, T. 16 N, R. 22 E, were irrigated between the years 1881 and 1884, inclusive; 4 acres in SE cor. SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 33; 30 acres SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 33; 10 acres W part SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33, T. 17 N, R. 22 E, were irrigated between the years 1881 and 1884, inclusive; 9 acres in SE cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33; 18 acres NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34, T. 17 N, R. 22 E, were irrigated between the years 1888 and 1889, inclusive; 8 acres in E part SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 34; 6 acres in the NW cor. SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34, T. 17 N, R. 22 E, were irrigated in 1890; 6 acres in N part SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34, were irrigated in 1902; 2 acres in E part SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33; 11 acres in NW cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33, will be irrigated in 1905. All in T. 17 N, R. 22 E.

Orlando Cardelli and Tancredi Cardelli, Dayton, Nevada, claim water through Cardelli Ditch (constructed in 1877) and Cardelli Irrigation Ditch (completed by April 1, 1890) to irrigate 13 acres in S part NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 4; 12 acres in N part NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 4, T. 16 N, R. 22 E; 26 acres in SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33; 20 acres in N part SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34; 17 acres in SE part NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34; 34 acres in NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34; 15 acres in N $\frac{1}{2}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 34; 30 acres in S part SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34; 34 acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34; and 10 acres in S part NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34, T. 17 N, R. 22 E.

Orlando Cardelli and Tancredi Cardelli irrigated 30 acres in S part SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34; 17 acres in S part SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34, between the years 1877 and 1878, inclusive; 13 acres in S part NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 4; 12 acres in N part NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 4, T. 16 N, R. 22 E, were irrigated between the years 1881 and 1884, inclusive; 15 acres in SW part SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33, T. 17 N, R. 22 E, were irrigated between the years 1881 and 1884, inclusive; 10 acres in S part NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34; 17 acres in N part SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34; 15 acres in N $\frac{1}{2}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 34; 14 acres in NE $\frac{1}{4}$ cor. NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34, T. 17 N, R. 22 E, were irrigated between the years 1882 and 1885, inclusive; 17 acres in SE part NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34; 20 acres in N part SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34; 10 acres in W part NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 34, T. 17 N, R. 22 E, were irrigated in 1885; 10 acres in central part NE $\frac{1}{4}$, Sec. 34, T. 17 N, R. 22 E, were irrigated in 1902; 11 acres in E part SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 33, T. 17 N, R. 22 E, will be irrigated in 1905; 5 acres in NE cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 4, T. 16 N, R. 22 E, were irrigated between the years 1880 and 1898 and were then again abandoned to sagebrush. It will be irrigated again either in 1905 or 1906.

Peter Casinelli, Dayton, Nevada, claims water through the Fish and Devenenzi Ditch (constructed in 1862, extended $\frac{1}{4}$ mile in 1882 and connected by a flume to Ophir Ditch in 1887) to irrigate 6 acres in W part NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 25; 30 acres in NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 26; 11 acres in SE cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 26; 15 acres in NW part SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 26; 3 acres in SE cor. SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 26, T. 16 N, R. 21 E. This entire tract of 65 acres was irrigated between the years 1862 and 1864, inclusive.

Herman Davis, Dayton, Nevada, by a lease from the Union Mill and Mining Company, claims water through the Rock Point Ditch (constructed in December, 1859) to irrigate 2 $\frac{1}{2}$ acres in SE cor. SE $\frac{1}{4}$, Sec. 14, T. 16 N, R. 21 E.

This tract of 2 $\frac{1}{2}$ acres was irrigated first in 1860. He also claims water for the mill and cyanide plant. Water for the mill was continuously used from 1860 to 1880 and from 1884 to 1891 and from 1897 to 1904 and he expects to start it again in the spring of 1905. 27 horse-power has been continuously used since 1897 for the cyanide plant.

L. Donati, Dayton, Nevada, claims water through the Houghman and Howard Ditch on N side of river (surveyed January 23, 1877, constructed January, 1878) to irrigate 34 acres in W $\frac{1}{2}$ W $\frac{1}{2}$ NE $\frac{1}{4}$, Sec. 35; 6 acres in SE cor. NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 35; 24 acres in SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 35; 8 acres in NW cor. NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 35; 61 acres in N $\frac{1}{2}$ SW $\frac{1}{4}$, Sec. 35; 11 acres in NE cor. SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 35; 5 acres in SE cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 34; 24 acres in SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 34, T. 17 N, R. 23 E; 9 acres in N $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 3, T. 16 N, R. 23 E.

5 acres in N $\frac{1}{2}$ SW $\frac{1}{4}$, Sec. 35; 6 acres in NE cor. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 35, and 5 acres in SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 34, T. 17 N, R. 23 E, will be irrigated in 1905. All the remainder of the above tracts were put under irrigation between the years 1878 and 1881, inclusive.

L. Donati, Dayton, Nevada, claims water through the Houghman and Howard Ditch on S side of river (surveyed January 23, 1877, and constructed January, 1878) to irrigate 21 acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 3; 4 acres in NW cor. SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 3; 17 acres in NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 3, T. 16 N, R. 23 E; 22 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 35; 7 acres in NW cor. SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 35, T. 17 N, R. 23 E. The entire above tract of land was put under irrigation between the years 1878 and 1881, inclusive.

John Depaoli and Henry Combellick, Dayton, Nevada, claim water through Woodworth Ditch (constructed in July, 1859) to irrigate 9 acres in NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 26; 19 acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 26; 11 acres in W part SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 26; 29 acres in SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 26; 3 acres in SW cor. NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 26, T. 16 N, R. 21 E.

18 acres in central part NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 26, and NW cor. NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 26, T. 16 N, R.

21 E. were irrigated in 1863 by the Pacific Mill and Mining Company; 15 acres in NE cor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26 and in SW cor. SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E., were irrigated in 1880 by the Pacific Mill and Mining Company; 35 acres in E part SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26 and in W part SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E., were irrigated in 1894 and 1895; 3 acres in SW cor. NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E., were irrigated in 1894. They intend to clear off and irrigate this next spring 21 acres in E $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27, 5 $\frac{1}{2}$ acres in SE cor. SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27, and 2 $\frac{1}{2}$ acres in W part SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E. Water has been used for power purposes since 1860.

M. Frugoli, Dayton, Nevada, claims water through the Rock Point or Frugoli Ditch (begun and completed July, 1862, and extended $\frac{1}{2}$ mile in July, 1904) to irrigate 34 acres in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12; 9 acres in W part NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12; 14 acres in NW cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12; 36 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12; 4 acres in SE cor. NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12; 26 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12; and 7 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E.

36 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12; 14 acres in NW cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12; and 9 acres in SW cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, T. 16 N., R. 21 E., were put under irrigation in 1862, by J. Jenero and S. Casereti; 15 acres in E $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, T. 16 N., R. 21 E., were put under irrigation in 1863; 19 acres in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12; 4 acres in SE cor. NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12; and 17 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12, T. 16 N., R. 21 E., were put under irrigation in 1864 and 1865; 7 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13; and 9 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12, T. 16 N., R. 20 E., were irrigated in 1896.

G. Gardella & Co., Dayton, Nevada, claim water through Koch Ditch (constructed in 1863 and replaced by a new one in 1881) to irrigate 30 acres in NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36; 15 acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36; 5 acres in SW cor. SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 10 acres in S part SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 5 acres in NE cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35; 5 acres in W part NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36; 5 acres in E part SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36; and 43 acres in E $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36, T. 17 N., R. 22 E.; 5 acres in NE cor. NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1, T. 16 N., R. 22 E.; 5 acres in NW cor. NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6, T. 16 N., R. 23 E.; 20 acres in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31; 10 acres in N part SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31; 6 acres in SE cor. NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31; 10 acres in SW cor. NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31; and 6 acres in NW cor. SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31, T. 17 N., R. 23 E.

30 acres in NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36; 5 acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36; 5 acres in SW cor. SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 5 acres in S part SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 5 acres in W part NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36; 5 acres in E part SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36; 43 acres in E $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36, T. 17 N., R. 22 E., were irrigated in 1863-64 and 65. 5 acres in NE cor. NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1, T. 16 N., R. 22 E.; 5 acres in NW cor. NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6, T. 16 N., R. 23 E.; 20 acres in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31; 10 acres in N part SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31; 6 acres in SE cor. NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31 and 6 acres in NW cor. SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31, T. 17 N., R. 23 E., were also irrigated in 1863-64 and 65; 10 acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36 and 5 acres in SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36, T. 17 N., R. 22 E., were irrigated in 1888; 5 acres in NE cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35, T. 17 N., R. 22 E., will be irrigated in 1906.

Leopardo Mariani, Dayton, Nevada, claims water through Cardelli Ditch (constructed April, 1877) to irrigate 14 acres in S part NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33; 4 acres in SW cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33; 3 acres in NW cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33, and 24 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33, T. 17 N., R. 22 E. The entire above tract was put under irrigation with water from the river between the years 1877 and 1878 by Orlando Cardelli.

Albert Perkins, Dayton, Nevada, claims water through his upper and lower laterals (constructed in 1893 and 1880, respectively, from Rock Point Ditch) to irrigate 4 acres in E part NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23; 10 acres in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23, T. 16 N., R. 21 E.

5 acres in E part NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23, T. 16 N., R. 20 E., were irrigated in 1880 by J. L. Campbell. Land in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23, T. 16 N., R. 21 E., was irrigated as follows in different years: 2 acres in 1893, 2 acres in 1895, 2 acres in 1898, 2 acres in 1901, and 2 acres in 1904.

Luigi Quilici, Dayton, Nevada, claims water through Cuneo and Giglieri Irrigating Ditch (constructed in 1864) and John Giglieri Irrigating Ditch (constructed in 1863) to irrigate 1 $\frac{1}{2}$ acres in SE cor. NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13; 6 acres in NE cor. SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13; 12 acres in S part NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13; 37 $\frac{1}{2}$ acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13; 11 acres in N part NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13; 13 $\frac{1}{2}$ acres in NW cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13; 37 $\frac{1}{2}$ acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E.; 1 $\frac{1}{2}$ acres in NW cor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18; 1 $\frac{1}{2}$ acres in SW cor. NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18, T. 16 N., R. 22 E., and 6 acres in SW cor. NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E.

1 $\frac{1}{2}$ acres in SE cor. NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13; 6 acres in NE cor. SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13; 9 acres in S part NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13; 18 $\frac{1}{2}$ acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E., were put under irrigation in 1863 by Matteo Tacchila; 11 acres in N part NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13; 10 acres in NW cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13; 12 acres in W part SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13; 19 acres in SE part SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E., were put under irrigation between the years 1864 and 1868, inclusive; 3 acres in SE cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E., were irrigated in 1875; 3 $\frac{1}{2}$ acres in NE cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13; 23 $\frac{1}{2}$ acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E.; 1 $\frac{1}{2}$ acres in NW cor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18; 1 $\frac{1}{2}$ acres in SW cor. SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18, T. 16 N., R. 22 E., were irrigated between the years 1886 and 1887, inclusive; 2 acres in NW cor. SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E., were irrigated between 1888 and 1889, inclusive; 6 acres in SW cor. NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 16 N., R. 21 E., were irrigated part in 1904 and the remainder will be in 1906.

Angelo Quilici, Dayton, Nevada, claims water through Dayton or Quilici Ditch, a lateral from Woodworth tail race (constructed in 1860) to irrigate 15 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23; 1 acre in SE cor. SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23; 4 acres in NE cor. NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26 and 8 acres in NW cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E.

15 acres in S part SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23, T. 16 N., R. 21 E., were irrigated in 1886 by A. Depaoli. 1 acre in SE cor. SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23, T. 16 N., R. 21 E., was irrigated in 1886; 8 acres in NW cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E., were irrigated in 1887; 4 acres in NE cor. NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E., were irrigated in 1888.

D. P. Randall and Eugene F. Howard, Dayton, Nevada, claim water through Dayton Ditch (surveyed January 9, 1877, construction began January 10, 1877, completed July 14, 1877) to irrigate 33 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19; 33 acres in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19; 42 acres in N $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19; 18 acres in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18; 38 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18; 18 acres in NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18; 57 acres in N $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18; 24 acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18; 65 acres in S $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18; 25 acres in E $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19; and corner in SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18 and 6 acres in S $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19, T. 16 N., R. 22 E.

These last two tracts mentioned were irrigated a number of years ago, but owing to shortage of water, were abandoned for several years. They will be reclaimed again this next spring.

5 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18; 33 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19; 33 acres in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19; 18 acres in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18; 38 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18; 18 acres in NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18; 47 acres in N $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18; and 24 acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18, T. 16 N., R. 22 E., were irrigated in 1878 by Mallett, Gantz, Byrom, Gates, Hackett, Adams and Barrett.

10 acres in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18; 60 acres in S $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18; and 42 acres in N $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19, T. 16 N., R. 22 E., were irrigated in 1886.

M. Sorani & Co., Dayton, Nevada, claim water through Houghman and Howard Ditch on N side of river (surveyed January 23, 1878, constructed January, 1878) to irrigate 23 acres in SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31; 5 acres in N part NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31, T. 17 N., R. 24 E.; 12 acres in NE cor. SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36; 6 acres in SW cor. NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36; 25 acres in NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36; 13 acres in N part SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36; 103 acres in NW $\frac{1}{4}$ Sec. 36; 10 acres in N part NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36; 26 acres in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35; 5 acres in NW cor. SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35; 33 acres in E $\frac{1}{4}$ W $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35; 9 acres in NE cor. NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35, T. 17 N., R. 23 E.

In 1863 there was a ditch built coming out of the river in NW cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35, T. 17 N., R. 23 E. This ditch was used for irrigation until the Houghman and Howard Ditch was built in 1878.

11 acres in SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 6 acres in S part NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 36 acres in SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 7 acres in S part NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 10 acres in N part NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36 and 12 acres in NW part SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36, T. 17 N., R. 23 E., were put under irrigation between 1864 and 1867, inclusive. The remainder of the entire tract, as mentioned in the present claim, was put under irrigation in 1878 and 1879, inclusive.

J. M. Tailleux, Dayton, Nevada, claims water through Tailleux Ditch, a lateral from Rose Ditch (constructed in 1865 and extended 600 feet in 1875) to irrigate 15 acres in SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26; 2 acres in SW cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 26; 2 acres in SE cor. NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26; and 24 acres in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E.

4 acres in SE cor. NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E., were irrigated in 1865 by J. Crane; 36 acres in SW part NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, and in NE part SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E., were irrigated in 1875; 3 acres in central S part SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 16 N., R. 21 E. were irrigated in 1896.

Patrick Venturi and Lorenzo Venturi, Dayton, Nevada, claim water through Barrett and Quilici Ditch and Flume and Fish and Devencenzi Ditch (constructed in 1862 and extended in 1882) to irrigate 16 acres in E part NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23; 35 acres in SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23; 6 acres in NE cor. NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 26; 5 acres in NW cor. NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 25; and 4 acres in SW cor. SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24, T. 16 N., R. 21 E.

9 acres in E part NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23, T. 16 N., R. 21 E., will be irrigated in the spring of 1905. All the remainder of above tract mentioned in present claim was put under irrigation between 1862 and 1864, inclusive.

C. E. Towle and A. A. Towle, Wabuska, Nevada, claim water through Buckland Ditch (surveyed February 19, 1877, constructed 1877) to irrigate 23 acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35; 17 acres in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35; 43 acres in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35; 9 acres in SE cor. SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35; 2 acres in NW cor. SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35; 18 acres in N $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35; 19 acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35; 5 acres in NE cor. SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35; 7 acres in SE cor. NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35; 50 acres in N $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 13 acres in N $\frac{1}{4}$ S $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 21 acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36; 23 acres in central part S $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34; and 5 acres in SE cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33, T. 17 N., R. 24 E.

11 acres in W $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35; 12 acres in NW cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35; 34 acres in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35; and 9 acres in SE cor. SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35, T. 17 N., R. 24 E., were put under irrigation in 1863. All the remaining above tracts of land as given in above present claim were put under irrigation between 1877 and 1880, inclusive.

Previous to 1877 (when Buckland Ditch was built) and from 1863 the land was irrigated by a small ditch coming out of the river near SE cor. Sec. 35, T. 17 N., R. 24 E.

C. E. Towle and A. A. Towle, Wabuska, Nevada, claim water through Buckland Ditch "A" (constructed in 1863) to irrigate 5 acres in SE cor. SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 8 acres in NE cor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36; 9 acres in S part SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36; 39 acres in NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36; 12 acres in NE cor. SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36; 22 acres in N $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36; 35 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36; 28 acres in S part NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36; 38 acres in SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36, T. 17 N., R. 24 E.; 14 acres in SW cor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31; 41 acres in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31; 30 acres in S part SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31, T. 17 N., R. 25 E.; 19 acres in S part NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10; 10 acres in E part NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1, T. 16 N., R. 24 E.; 9 acres in N strip in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6; 16 acres

in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6; 13 acres in S part NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6; 13 acres in N part SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6; 24 acres in SE part NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6; 21 acres in N $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6; 26 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5, T. 16 N, R. 25 E; 7 acres in E part SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31; 74 acres in S $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32; 7 acres in NW cor SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32; 7 acres in SE cor NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32, T. 17 N, R. 25 E.

The entire above tract of land of 527 acres was put under irrigation between the years 1863 and 1866, inclusive.

C. E. Towle and A. A. Towle, Wabuska, Nevada, claim water through the Big Bend Ditch (constructed in 1864) to irrigate 6 acres in SE cor. NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31; 26 acres in NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31; 15 acres in NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31; 13 acres in S $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31; 20 acres in N $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32; 15 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32; 9 acres in NW cor. NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32; 37 acres in SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32; 16 acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32; 16 acres in NW cor. SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32; and 17 acres in W $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32, T. 17 N, R. 25 E.

The entire above tract of land of 190 acres was put under irrigation between the years 1864 and 1866, inclusive.

MUDDY RIVER.

J. H. Averett claims water for 40 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27, T. 15 S, R. 67 E. This land is irrigated through the Averett Ditch (constructed in 1888).

Mulligan & Doherty irrigated about 10 acres SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27, in 1888; 14 acres in S and middle part SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27, irrigated in 1894; in 1896 and continuously since that time 12 acres in N and NE part SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27 were irrigated; in 1901 4 acres in SE part SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27 were irrigated.

S. A. Angell claims water through the Overton Canal (constructed about 1866) to irrigate 22 $\frac{1}{2}$ acres in E and N part SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13.

17 acres were irrigated in 1880 by David Cox; 5 $\frac{1}{2}$ acres have been irrigated since 1895 for pasture purposes until 1906, when it was cultivated.

Jacob Bauer claims water through the St. Thomas Ditch (constructed about 1863) for 21 acres in SW $\frac{1}{4}$ Sec. 11.

11 acres in NE cor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11 and 10 acres in NW cor. NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11 were irrigated in 1881 by Jennings.

J. M. Bunker claims water through St. Thomas Ditch for 27 acres in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11 and 2 $\frac{1}{2}$ acres in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10, T. 17 S, R. 68 E.

H. Gentry irrigated 27 acres in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11 in 1883; 2 $\frac{1}{2}$ acres in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10 were irrigated in 1887 by E. Syphus and had been irrigated before that time by Bonelli.

J. M. Bunker claims water through the Belding & Seabright Ditch for 18 acres in N side N $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11. This land was irrigated by Whitney & Abbott in 1894 and had been irrigated before that time by Syphus.

M. A. Bunker claims water through the St. Thomas Ditch for 5 acres in the W part NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11, T. 17 S, R. 68 E. These 5 acres were irrigated by H. Gentry in 1883.

M. A. Bunker claims water through the Belding & Seabright Ditch to irrigate 10 acres in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ and SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11, T. 17 S, R. 68 E.

9 acres were irrigated in 1883 by Gentry & Syphus. 1 acre was irrigated in 1896 by M. A. Bunker.

Annie J. Cooper claims water through the Overton Canal to irrigate 18 acres in S part NE $\frac{1}{4}$ SE $\frac{1}{4}$ and NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13, T. 16 S, R. 67 E.

18 acres were irrigated by Crosby in 1881. In 1896 7 acres of this land were irrigated for pasture. It will all be cultivated in 1906.

J. F. Cooper claims water through the Stringtown Ditch to irrigate 35 $\frac{1}{2}$ acres in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, T. 16 S, R. 67 E, and 6 acres in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12.

18 acres in S part NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12 were irrigated in 1880 by B. Whitmore; 17 $\frac{1}{2}$ acres in N and W parts NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12 were irrigated in 1883; 6 acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12 were cleared up and irrigated in 1906.

David J. Cox claims water through the Overton Canal (constructed in 1866 and enlarged in 1883) to irrigate 18 acres NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13; 104 acres in NE $\frac{1}{4}$ Sec. 11, T. 16 S, R. 67 E.

18 acres in N $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13 were irrigated in 1880 by Cox; 26 $\frac{1}{2}$ acres in S and W parts NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11 were irrigated in 1896; 20 $\frac{1}{2}$ acres in E part SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11 and 18 acres in W part SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11, T. 16 S, R. 67 E, were irrigated in 1893; 39 acres in S $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11 have been irrigated for pasture purposes since 1896.

Alvin C. Crosby claims water through Stringtown Ditch for 16 $\frac{1}{2}$ acres in the SE $\frac{1}{4}$ Sec. 12, T. 16 S, R. 67 E. This land was watered in 1880 by B. Whitmore.

A. B. Clevenger claims water through the Stringtown Ditch to irrigate 4 acres in the N side NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, T. 16 S, R. 67 E. This land was watered in 1885 by Cooper.

J. B. Dickerhooft claims water through the St. Joe Ditch to irrigate 5 acres in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26, T. 15 S, R. 67 E. This land was irrigated in 1888 by Huntsman.

W. H. Gann claims water through the Gann Ditch to irrigate 24 acres in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34 and 18 acres in NW $\frac{1}{4}$ Sec. 34, T. 15 S, R. 67 E.

23 acres N side SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34; 18 acres NW $\frac{1}{4}$ Sec. 34 were irrigated in 1891 by Joe Huntsman; 1 acre in W side SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34 was irrigated in 1904.

W. H. Gann claims water through the Sproles & Gann Ditch (constructed about 1888) for 11 acres in NE cor. SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27, T. 15 S, R. 67 E.

This land was irrigated in 1896 by Gann.

W. H. Gann claims water through the St. Joe Ditch (constructed about 1866) to irrigate 43 $\frac{1}{2}$ acres in the NE $\frac{1}{4}$ Sec. 22; 63 $\frac{1}{2}$ acres in the SE $\frac{1}{4}$ Sec. 22; 22 acres NE $\frac{1}{4}$ Sec. 21.

W. H. Gann irrigated about 12 acres SW part NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22, T. 15 S, R. 67 E, in 1890; the SW $\frac{1}{4}$ SE $\frac{1}{4}$, 10 acres in E side NW $\frac{1}{4}$ SE $\frac{1}{4}$; and 5 acres in S side SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22, T. 15 S, R. 67 E, have been irrigated since 1890 for pasture purposes. The rest of the land has been cleared and irrigated as follows: In 1892 17 $\frac{1}{2}$ acres in W side SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22, and 13 $\frac{1}{2}$ acres in W side NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22. In 1900 8 acres S side NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21; 14 acres in E side SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21; in 1902 9 acres central part NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22, T. 15 S, R. 67 E.

H. Gentry claims water through the St. Thomas Ditch (constructed about 1863) to irrigate 37 acres NW $\frac{1}{4}$ Sec. 11; 4 $\frac{1}{2}$ acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11; 2 $\frac{1}{2}$ acres SE $\frac{1}{4}$ Sec. 10, and 16 acres in SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10, T. 17 S., R. 68 E.

This land was all irrigated since 1883, except 16 acres in SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10 which has been irrigated since 1894 for pasture; 3 acres of the 16 have been in alfalfa since 1894.

M. W. Gibson claims water through the St. Thomas Ditch to irrigate 27 acres in SW $\frac{1}{4}$ Sec. 10; 2 $\frac{1}{2}$ acres in E side NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10 and 10 acres in W side SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10. T. 17 S., R. 67 E.

Ed. Syphus used water on 2 $\frac{1}{2}$ acres in E side NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10, in 1886; 6 acres pasture and 4 acres cultivated land have been irrigated in W side SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10 since 1888; 17 acres in S side NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10 and 10 acres in S side NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11 have been irrigated since 1891 by M. W. Gibson.

Crayton Johnson claims water through the Overton Canal to irrigate 5 $\frac{1}{2}$ acres in central part SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13, T. 16 S., R. 67 E.; 10 acres in SE part NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24, T. 16 S., R. 68 E.

5 $\frac{1}{2}$ acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ were irrigated in 1881 by Kelsey; 10 acres in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24, T. 16 S., R. 68 E., were irrigated in 1892 by Johnson. Not watered from 1898 to 1899. Watered from 1899 to 1903. Will be cropped again in 1906.

Thomas Johnson claims water through the Overton Canal to irrigate 14 acres in S part SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19, T. 16 S., R. 68 E. This land was watered by T. J. Jones up to 1899. This land was not farmed in 1899 and 1900. In 1901, 1902 and 1903 about 9 acres were farmed. None was farmed in 1904. About 7 acres were farmed in 1905 and 1906.

T. J. Jones claims water through the Overton Canal to irrigate 6 acres NW part SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13, T. 16 S., R. 67 E., and 26 acres N side SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE cor SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13, T. 16 S., R. 67 E., and W side SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18, T. 16 S., R. 68 E.

These 6 acres were watered in 1880 by T. J. Jones and 26 acres have been irrigated since 1886; also 25 acres in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12, T. 16 S., R. 67 E., since 1886. The land in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ has been irrigated for pasture purposes.

A. S. King claims water through Stringtown Ditch to irrigate 24 acres in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13 and the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, T. 16 S., R. 67 E. This land was irrigated in 1880 by B. Whitmore.

E. Marshall claims water through Overton Canal to irrigate 81 acres in SW $\frac{1}{4}$ Sec. 2 and NW $\frac{1}{4}$ Sec. 11. L. Harris and J. Mulligan irrigated about 20 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2, T. 16 S., R. 67 E., in 1895. In 1896 19 acres in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2; 8 acres in SW $\frac{1}{4}$ Sec. 2; 7 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11 were irrigated; in 1897 10 acres in E side SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2; 12 acres in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11 and 5 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11 were irrigated.

This amount of land was irrigated up to 1900. In 1900 and 1906 various amounts were farmed. In 1906 Mr. Marshall expects to have original amount of 81 acres under cultivation.

Bert Mills claims water through the Gann Ditch to irrigate 39 acres in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27. 23 acres in E side NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27 were irrigated in 1904 and 1905 by Bert Mills. 16 acres W side NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27 were irrigated in 1906.

Nevada Land and Livestock Company claims water through the Overton Canal to irrigate 88 acres in E $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13; 40 acres in W $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12; 75 acres in E $\frac{1}{4}$ Sec. 11; 70 acres in Sec. 2, all in T. 16 S., R. 67 E.

88 acres in E $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13 and E $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12, T. 16 S., R. 67 E., were watered in 1882 or 1883 by David Cox. This land was watered continuously until 1894, and watered and cropped some of the year, at least, from 1894 to 1902. About 40 acres W $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12 have been watered since 1890 for pasture purposes up to the present time. Water has been used on about 65 acres for pasture purposes in SE $\frac{1}{4}$ Sec. 11 since 1890 more or less continuously. In 1894 10 $\frac{1}{2}$ acres in NE part NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11 have been watered year by year up to the present time. In 1890 30 acres in NE part SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2 were watered by Pat Curling up to 1902. Since 1902 11.1 acres were watered. In 1890 20 acres in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2 were watered by Pat Curling and irrigation was continued up to 1903. Since 1903 about 1.8 acres have been irrigated. 20 acres in E side NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2 were irrigated in 1904 and have been irrigated succeeding years up to 1904.

Mrs. Ute W. Perkins claims water through the Overton Canal to irrigate 11 $\frac{1}{2}$ acres in Sec. 13; 11 $\frac{1}{2}$ acres in Sec. 24, T. 16 S., R. 67 E., and 35 acres in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19, T. 16 S., R. 68 E., and the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24, T. 16 S., R. 67 E. Ute W. Perkins irrigated 7 acres in NE cor SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13, T. 16 S., R. 67 E., in 1883; in 1884 4 $\frac{1}{2}$ acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13; in 1890 6 $\frac{1}{2}$ acres N side NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24, T. 16 S., R. 67 E.; in 1894 5 acres S side NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 24; in 1894 about 35 acres in NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19, T. 16 S., R. 68 E., and NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24, T. 16 S., R. 67 E., have been watered for pasture purposes.

W. A. Perkins claims water through the Overton Canal for 18 acres in SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13, T. 16 S., R. 67 E. This land was irrigated in 1884 by T. J. Jones and has been cultivated continuously since and up to 1902. All of it has been cultivated since 1902 with the exception of some small pieces which have grown up to rabbit brush.

J. S. Perkins claims water through Overton Canal to irrigate 12 acres in the SE $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 13, T. 16 S., R. 67 E., and 20 acres in the E part NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19, T. 16 S., R. 68 E. Ute W. Perkins irrigated 12 acres in the NE cor SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ Sec. 13, T. 16 S., R. 67 E., in 1891. This land has been watered continuously up to the present time, excepting 4 acres which were covered by a flood in 1902. These 4 acres are being again cleared up

for cultivation at the present time. 20 acres in the E part NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19, T. 16 S., R. 68 E., were watered in 1896 and continuously since.

W. W. Perkins claims water through the St. Joe Ditch to irrigate 3 acres in SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26, T. 15 S., R. 67 E. This land was irrigated in 1899 by Dodson. He intends to irrigate 40 acres in the N side of Sec. 35, T. 15 S., R. 67 E., for pasture.

H. A. Sparks claims water through the Overton Canal to irrigate 12 acres in the SE $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 1, T. 16 S., R. 67 E. 4 acres in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1 were irrigated in 1890 by A. McNeill. In 1891 8 acres in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1 were irrigated by R. Hicks; this was irrigated until 1904 and will be cropped again this year.

H. A. Sparks claims water through the Stringtown Ditch to irrigate 10 acres in NE cor. SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, T. 16 S., R. 67 E.; 4 acres in NW cor. SW $\frac{1}{4}$ Sec. 7, T. 16 S., R. 68 E.; 5 acres in N side SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7, T. 16 S., R. 68 E. 14 acres in Sec. 12 were watered in 1880 by R. Whitmore.

U. W. Perkins claims water through the Overton Canal to irrigate 22 $\frac{1}{2}$ acres in S $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19, T. 16 S., R. 68 E. 10 acres in S $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19 were irrigated by J. Johnson in 1894. The balance was cleared up and irrigated in 1904 by U. W. Perkins.

Andrew J. Sproles claims water through the Sproles & Gann Ditch and the Averett, Sproles & Gann Ditch to irrigate 36 acres in N $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27, T. 15 S., R. 67 E. Water was first used on this land in 1880. By 1900 about 30 acres had been put under cultivation, and in 1902 about 5 acres more were cultivated, and entire tract of 35 or 36 acres has been watered and cropped each year up to the present time.

E. H. Syphus claims water through the St. Thomas Ditch to irrigate 24 $\frac{1}{2}$ acres in Sec. 10, and 25 acres in NW $\frac{1}{4}$ Sec. 11. In 1882 E. H. Syphus used water on 13 acres on W side NE $\frac{1}{4}$ NW $\frac{1}{4}$ and 12 acres in E side NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11, T. 17 S., R. 68 E. In 1886 4 $\frac{1}{2}$ acres in S side NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10 were irrigated. In 1888 15 acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10 were cultivated and 5 acres in same forty were watered for pasture purposes. In 1897, 7 acres of the land cultivated in SW $\frac{1}{4}$ of NE $\frac{1}{4}$ Sec. 10, were turned into pasture and land has been watered as such since that time, making the present time about 12 acres of pasture and 8 acres of cultivated land in that forty.

Estate of Matthew Syphus claims water through the St. Thomas Ditch to irrigate 6 $\frac{1}{2}$ acres in Sec. 10, T. 17 S., R. 68 E. In 1892 Matthew Syphus irrigated 3 acres in S side SW $\frac{1}{4}$ NE $\frac{1}{4}$ in N side NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ Sec. 10, T. 17 S., R. 68 E. 2 $\frac{1}{2}$ acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$ and NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10 were irrigated in 1897. 1 acre was newly irrigated in 1905.

Mr. J. M. Thomas claims water through the St. Joe Ditch to irrigate 14 $\frac{1}{2}$ acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26, T. 15 S., R. 67 E. This land was irrigated in 1887 by Huntsman, and has been watered up to the present time, except 2 $\frac{1}{2}$ acres which were dry in 1904 and 1905. It will all be cropped this year.

Sherman Thomas claims water through the Stringtown Ditch to irrigate 5 acres in S $\frac{1}{4}$ of SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, T. 16 S., R. 67 E. This land was watered in 1894 by D. Cooper. This land was not irrigated from 1899 to 1901, but has been watered since that time.

Wm. Van Renselaar claims water through the Overton Canal to irrigate 55 acres in N $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12, T. 16 S., R. 67 E. In 1904 Van Renselaar irrigated 20 acres in W side SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12; 15 acres of this were in grain and 5 were irrigated to wash out the alkali. In 1906 18 acres in E side SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12 were irrigated, and 5 acres in the SW cor. SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ Sec. 12. In 1906 there are about 35 acres in grain and cane. In 1906 10 acres are irrigated in the central part of the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12, T. 16 S., R. 67 E., by Shurtleff.

Brigham Whitmore claims water through the Overton Canal to irrigate 32 acres in SE cor. Sec. 13 and SW $\frac{1}{4}$ Sec. 18, T. 16 S., R. 67 E. 20 acres in E $\frac{1}{4}$ Sec. 13 were irrigated in 1881 by Whitmore. In 1882 7 $\frac{1}{2}$ acres in the E part of the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13 and W part in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18 were irrigated. About 4 $\frac{1}{2}$ acres in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13 were irrigated in 1886.

Brigham Whitmore claims water through the Stringtown Ditch to irrigate 27 $\frac{1}{2}$ acres in Sec. 13, T. 16 S., R. 67 E.; 2 $\frac{1}{2}$ acres Sec. 18, T. 16 S., R. 68 E.; 36 acres in Sec. 35, T. 15 S., R. 67 E.; 2 $\frac{1}{2}$ acres NE cor. NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2, and 21 $\frac{1}{2}$ acres NW $\frac{1}{4}$ Sec. 1, T. 16 S., R. 67 E. This land has been irrigated since 1880 by Brigham Whitmore, except 4 $\frac{1}{2}$ acres in NE $\frac{1}{4}$ NE $\frac{1}{4}$ and NW $\frac{1}{4}$ NE $\frac{1}{4}$, which have been irrigated since 1897. The land in Secs. 1 and 2 is irrigated for pasture purposes.

Brigham Whitmore claims water through the Harris Ranch Ditch to irrigate 110 acres in Sec. 2. In 1875 Harris irrigated 75 acres in SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, and NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2, T. 16 S., R. 67 E. 20 acres in the same forties were cleared up and irrigated by 1885. 15 acres more in the SE part NE $\frac{1}{4}$ NW $\frac{1}{4}$, SW part NW $\frac{1}{4}$ NE $\frac{1}{4}$, W part SE $\frac{1}{4}$ NE $\frac{1}{4}$, the E part NE $\frac{1}{4}$ SE $\frac{1}{4}$, and the NW cor SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2, were cleared up and irrigated in 1880.

Geo. L. Whitney claims water through the East St. Thomas Ditch to irrigate 27 $\frac{1}{2}$ acres in NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, and the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11, T. 17 S., R. 68 E. 26 acres in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ and the SE $\frac{1}{4}$ NW $\frac{1}{4}$ were irrigated in 1882 by Belding & Seabright; 2 acres of this are pasture. In 1897 1 $\frac{1}{2}$ acres in NW $\frac{1}{4}$ Sec. 11 were cleared up for cultivation.

Geo. L. Whitney claims water through St. Thomas Ditch to irrigate 1 $\frac{1}{2}$ acres in E side SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10 and 1 $\frac{1}{2}$ acres in W side SW $\frac{1}{4}$ Sec. 11, T. 17 S., R. 68 E. This land was irrigated in 1883 by H. Gentry.

W. C. Bowman claims water through the St. Joe Ditch to irrigate 150 acres in the S $\frac{1}{4}$

SW $\frac{1}{4}$ Sec. 15 and NW $\frac{1}{4}$ Sec. 22, T. 15 S, R. 67 E. About 75 acres were cultivated up to 1879, when the amount was increased to 150 acres by Thompson and Osborne.

Church & Mills claim water through Church & Mills Ditch to irrigate 141 acres in Sec. 27. Logan irrigated about 93 acres in 1874. Rest of the land has been put in since 1901.

Mrs. Vina Cooper claims water through the Stringtown Ditch to irrigate 4 acres. This land was irrigated in 1880 by Whitmore.

Horace Holt claims water through the St. Joe Ditch to irrigate 13 $\frac{1}{2}$ acres in Sec. 26. This land irrigated by Holt in 1891-2-3 and had been irrigated before by early settlers.

Horace Holt claims water through an unnamed ditch to water 25 acres in the west part of Sec. 27. Ellis first watered about 10 acres of this land in 1887.

G. Ingram claims water through the Overton Canal to irrigate 12 $\frac{1}{2}$ acres in Sec. 13. This land was watered by Johnson & Ingram in 1895-7.

J. C. Jones claims water from Stone Cabin Spring to water 40 acres in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15. This land was watered in 1904 by Jones.

J. C. Jones claims water through the Evergreen Ditch to irrigate 20 acres in Sec. 15, 150 acres in Secs. 25 and 26 and 50 acres in Sec. 23. This land was first watered in 1902.

W. L. Jones claims water through the Stringtown Ditch to irrigate 11 acres in Sec. 12. 3 acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12 were farmed in 1890 by the Indians. 8 acres were irrigated in 1899 by T. J. Jones.

W. L. Jones claims water through the Overton Canal to irrigate 13 acres in Sec. 13. This land was irrigated in 1893 by Julius Johnson.

Phillippa Kiernan claims water to irrigate 260 acres in Secs. 15 and 16, T. 14 S, R. 65 E. This land was irrigated in 1896 by Wm. Liston.

J. M. Lytle claims water through the Overton Canal to irrigate 5 acres in Sec. 13. This land was first irrigated in 1881 by McNeil.

John Perkins claims water through the St. Thomas Ditch to irrigate 2 acres in Secs. 10 and 11. This land was irrigated by E. Gentry in 1883.

W. J. Powers claims water through the White and Cook Ditches to irrigate 60 acres. This land was first cultivated by the Indians in 1886.

James M. Pickett claims water through the Harris & Pickett Ditch to irrigate 120 acres in Sec. 6, T. 15 S, R. 66 E. Land was first irrigated by the early Mormon settlers.

L. N. Shurtleff claims water through the Stringtown Ditch to irrigate 16 acres in Sec. 13 and 9 acres in Sec. 12. This land was irrigated by B. Whitmore.

Mrs. I. Stauffer claims water through the Old Mill Ditch to irrigate 14 acres in Secs. 13 and 14. This land was first irrigated in 1883 by Whitmore.

Fred J. Stoer claims water through the Crosby & White Ditch, Geo. A. Davis, and Dry Ditch and Weiser Ditch, to irrigate S $\frac{1}{4}$ of NE $\frac{1}{4}$ and SE $\frac{1}{4}$ of SE $\frac{1}{4}$ Sec. 14; SW $\frac{1}{4}$ of NW $\frac{1}{4}$ and SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Sec. 13; SE $\frac{1}{4}$ of NE $\frac{1}{4}$ and NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Sec. 15; S $\frac{1}{4}$ of NW $\frac{1}{4}$ and N $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 14, T. 14 S, R. 65 E; the SW $\frac{1}{4}$ of NE $\frac{1}{4}$ and NE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 15, T. 14 S, R. 65 E; the NW $\frac{1}{4}$ of NE $\frac{1}{4}$ and NW $\frac{1}{4}$ and N $\frac{1}{4}$ of SW $\frac{1}{4}$ and SW $\frac{1}{4}$ of SW $\frac{1}{4}$ Sec. 24, the NE $\frac{1}{4}$ Sec. 23 and SE $\frac{1}{4}$ Sec. 23 and N $\frac{1}{4}$ of NE $\frac{1}{4}$ Sec. 26, all in T. 14 S, R. 65 E; the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ and SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 25, and E $\frac{1}{4}$ of NE $\frac{1}{4}$ and NE $\frac{1}{4}$ of NW $\frac{1}{4}$ Sec. 26, T. 14 S, R. 65 E—a total of 1,440 acres.

Crosby & White first used water for irrigation from 1891 to 1896 on about 200 acres in Secs. 4, 5, 8 and 9, T. 15 S, R. 66 E. Hiram Weiser and M. Shellard used water from September, 1889, to 1896 on about 300 acres in Secs. 1, 2, 3, 4 and 12, T. 15 S, R. 67 E; Sec. 35, T. 14 S, R. 66 E; Secs. 8 and 17, T. 15 S, R. 67 E. Geo. A. Davis and M. Dry used water since 1897 for 120 acres in Secs. 25 and 36, T. 14 S, R. 65 E. Chas. Morris and James R. McGarrigle used water since 1897 for 320 acres in Sec. 23, T. 14 S, R. 65 E.

S. H. Wells, Trustee for Wells and Murphy Bros., claims water through the St. Thomas Ditch and the Foot Ditch to irrigate 305 acres in Secs. 11 and 14, T. 17 S, R. 68 E. This land was first irrigated by Chas. Byers in 1882.

A survey made during March and April, 1906, by the State Engineer and his assistant, of the irrigated land watered by the Muddy River shows about 16 acres owned and irrigated by George Baldwin. An examination of the land showed that about 35 acres in the same quarter-section had been watered at some previous time by Baldwin.

Mrs. McKenna of Moapa has about 12 acres watered in 1906 in S $\frac{1}{4}$ Sec. 4, T. 14 S, R. 66 E. One Davis has 12 acres in SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3, T. 16 S, R. 67 E, watered in 1906.

C. P. Ronnow has 7 $\frac{1}{2}$ acres in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11, T. 17 S, R. 68 E, watered in 1906.

Frank Bonelli watered in 1906 25 $\frac{1}{2}$ acres in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10 and SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10, T. 17 S, R. 68 E.

One Wiggs has 14 $\frac{1}{2}$ acres in NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34, T. 15 S, R. 67 E, watered in 1906.

On Moapa Indian Reservation about 87 acres in Secs. 34 and 35, T. 14 S, R. 65 E, Sec. 31, T. 14 S, R. 66 E, Sec. 1, T. 15 S, R. 65 E, and Sec. 6, T. 15 S, R. 66 E, were watered in 1906.

Water is claimed by the Experiment Farm for 80 acres in the N $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34 and N $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35, T. 15 S, R. 67 E.

Up to this time no proof has been submitted to the State Engineer concerning the initiation of the rights of the last eight parties named.

WALKER RIVER.

On the 7th of August 1906, in the United States Circuit Court for the Ninth Circuit, District of Nevada, an action was filed by the Pacific Livestock Company, against T. B. Rickey, *et al.*, wherein and whereby it is sought to have judicially determined the priority of rights of water users from the Walker River under a stipulation embraced in the case, and signed by a majority of the parties to the action, Mr. Henry Thurtell, then State Engineer, being appointed Master in Chancery to prepare findings of such priorities.

Mr. John R. van Nagell, Assistant Engineer, under his supervision, was directed to ascertain all the necessary data and information regarding the said priorities, and through the incumbency of Mr. Thurtell and under the present State Engineer he diligently pursued his investigations.

Such data and information were accurately collected and submitted to the Master in Chancery and the divers parties to said action, and from the same the findings of said priorities were made and are now of record, a copy thereof being herein incorporated.

There are no protests to these priorities as settled and allowed, except so far as relates to the priorities of the Pacific Livestock Company, and as they now stand they have a binding force and effect upon all, and will so continue, unless, upon the presentation of the findings to the Court, it should be decreed otherwise, in which case even such decree will affect only the parties to the action and none others.

Mrs. M. Allum, Yerington, Nevada: 30 acres, priority 1896, .48 second feet. From Sweetman Ditch, East Fork, Walker River, .48 second feet.

James Atcheson: 80 acres, priority 1861, 1.28 second feet; 160 acres, priority 1865, 2.56 second feet; 240 acres, priority 1878, 3.84 second feet. All from Atcheson's ditches on Sweetwater Creek.

Wm. Becker, Yerington, Nevada: 40 acres, priority 1888, .64 second feet; 80 acres, priority 1897, 1.28 second feet. All from Hall and Kneirim Ditches, East Fork.

R. S. Brooks, Yerington, Nevada: 65 acres, 1872, .78 second feet; 135 acres, 1874, 1.6 second feet. All from Merritt Ditch, from Main Walker River.

Henry Boerlin, Fletcher, Nevada: 160 acres, 1887, 2.56 second feet. From Henry Boerlin's ditches on East Fork.

Henry Baker, Yerington, Nevada: 91 acres, priority 1877, 1.46 second feet; 39 acres, priority 1890, .62 second feet. Baker & Snyder Ditch, East Fork of the Walker River.

Henry Brisson, Wabuska, J. B. Gallagher; 130 acres, priority 1877, 1.5 second feet; 160 acres, priority 1896, 1.92 second feet; 8 acres, priority 1904, .09 second feet. From Spragg, Alcorn & Buley Ditch, Main Walker.

J. O. Birmingham, Yerington, Nevada: 110 acres, 1869, 1.32 second feet; 160 acres, 1874, 1.92 second feet; 80 acres, 1878, .96 second feet; 120 acres, 1900, 1.44 second feet. All from the McLeod Ditch, from the Main Walker River.

Mrs. Agnes Compton, successor to John Compton, Sweetwater, Nevada; 250 acres, 1861, 4.00 second feet. From James Crompton Ditch, Sweetwater Creek.

E. D. Cross, Yerington, Nevada: 32 acres 1894, .51 second feet; 43 acres, 1900, .69 second feet. From Wilson Tunnel Ditch from West Walker.

P. J. Conway, Sweetwater, Nevada: 120 acres, 1860, 1.92 second feet; 100 acres, 1870, 1.6 second feet; 100 acres, 1880, 1.6 second feet; 120 acres, 1890, 1.96 second feet. Conway ditches, East Fork; 80 acres, 1861, 1.28 second feet, Conway ditches, Sweetwater Ditch.

Battista Cremetti, Yerington, Nevada, successor to W. H. Metscher: 60 acres, 1870, .96 second feet; 40 acres, 1875, .64 second feet; 30 acres, 1895, .48 second feet; 15 acres, 1904, .24 second feet. Baker & Snyder Ditch, East Fork.

Carney Bros., Smith, Nevada: 15 acres, 1897, .24 second feet. River Simpson Ditch, West Fork.

I. Cohn, Wellington, Nevada: 600 acres, 1877, 9.60 second feet. McTarnahan Ditch and Pierce Erwin to West Fork.

A. Charlebois, Yerington, Nevada: 40 acres, 1879, .64 second feet; 200 acres, 1885, 3.20 second feet; 50 acres, 1890, .80 second feet; 60 acres, 1895, .96 second feet. Charlebois Ditches, East Fork.

Margaret A. Dickinson: 80 acres, 1884, 1.28 second feet; 36 acres, 1890, .57 second feet. Harry Feakins Ditch, West Fork.

Delmonico Bros., successors to S. E. Burbank, Yerington, Nevada: 246 acres, 1871, 2.94 second feet; 214 acres, 1875, 2.57 second feet. From Nichol Ditch on Main Walker.

Harriet Estes, Yerington, Nevada: 8 acres in 1895, .13 second feet; 12 acres, 1905, .19 second feet. From Sweetman Ditch, East Fork.

G. F. Feigenspan, Yerington, Nevada: 140 acres, 1872, 1.68 second feet; 70 acres, 1890, .84 second feet; 25 acres, 1904, .30 second feet. Merritt Ditch, Main Walker.

Fulstone & Fredericks, Sweetwater, Nevada: 130 acres, 1862, 2.08 second feet; 100 acres, 1865, 1.6 second feet; 100 acres, 1870, 1.6 second feet; 100 acres, 1875, 1.6 second feet; 100 acres, 1880, 1.6 second feet; 100 acres, 1885, 1.6 second feet. Fulstone & Fredericks Ditches, East Fork.

M. Fallon: 250 acres, 1860, 4.00 second feet; 330 acres, 1864, 5.30 second feet. Desert Creek Ditch, Desert Creek tributary of West Walker River.

H. B. Gage and Kate Smith Gage, his wife: 120 acres, 1863, 1.96 second feet; 260 acres, 1865, pasture, 4.16 second feet; 40 acres, 1875, pasture, .64 second feet; 20 acres, 1900, pasture, .32 second feet. Smith Ditch, West Fork Walker River.

A. W. Gander, Wellington, Nevada: 80 acres, 1878, 1.28 second feet. McTarnahan Ditch, West Fork.

J. B. Gallagher, per J. C. Farral: 90 acres, 1873, 1.08 second feet; 50 acres, 1880, .60 second feet; 50 acres, 1889, .60 second feet. Spragg, Alcorn & Buley Ditch, Main Walker River.

A. W. Green, Yerington, Nevada, 20 acres, 1899, .32 second feet. Baker & Snyder Ditch, East Walker.

M. J. Green, Yerington, Nevada, 15 acres, 1899, .24 second feet. Baker & Snyder Ditch, East Walker River.

Geo. A. Green, Fletcher, Nevada: 360 acres, 1860, 5.76 second feet; 400 acres, 1874, 6.40 second feet. The Green Ditches from Bodie and Rough Creek.

S. W. Gregory, Wabuska, Nevada, successor to H. F. Swasey: 250 acres, 1873, 3.00 second feet. Gold Hill Ditch, Main Walker.

Pat Gallagher, Yerington, Nevada, 70 acres, 1869, .84 second feet, Campbell Ditch; 313 acres, 1870, 3.76 second feet; 20 acres, 1890, .24 second feet; 15 acres, 1898, .18 second feet; 5 acres, 1897, .06 second feet; 25 acres, 1904, .30 second feet. Campbell & Spragg, Buley & Alcorn Ditches, Main Walker, one-half from each ditch.

Lamira Glann, instead of Jessie Glenn: 9 acres, 1867, .14 second feet, 31 acres, 1875, .50 second feet, 10 acres, 1895, .16 second feet, Glann Ditch; 14 acres, 1890, .20 second feet, Gignoux Ditch.

J. B. Gallagher, Yerington, Nevada: 20 acres, 1868, .24 second feet, 981 acres, 1872, 11.77 second feet, 185 acres, 1874, 2.22 second feet, 689 acres, 1879, 8.27 second feet, Spragg, Alcorn & Buley Ditch, Main Walker; 102 acres, 1868, 1.24 second feet, 51 acres, 1870, .61 second feet, 163 acres, 1874, 1.96 second feet, 180 acres, 1877, 2.16 second feet, 40 acres, 1884, .48 second feet, Merritt Ditch, Main Walker; 171 acres, 1870, 2.05 second feet, 55 acres, 1880, .66 second feet, Nichol Ditch, main stream.

J. E. Gignoux, Reno, Nevada: 250 acres, 1862, 4.00 second feet, 100 acres, 1865, 1.60 second feet, Gignoux Ditches; 150 acres, 1890, 2.4 second feet, East Fork.

J. F. and C. F. Holland: 250 acres, 1868, 3.00 second feet; 130 acres, 1873, 1.96 second feet. Nichol Ditch, Main Walker.

Mrs. Adeline Hilburn: 10 acres, 1873, .12 second feet; 10 acres, 1902, .12 second feet. Spragg, Alcorn & Buley Ditch, main stream.

Mrs. Mae Hoyer: 10 acres, 1863, 0.16 second feet; 66 acres, 1882, 1.05 second feet. Wellington Ditch, West Fork.

Thomas Hall: 58 acres, 1892, .93 second feet; 11½ acres, 1901, .18 second feet. Jasper Daniels Ditch, East Fork.

Chas. B. Johnston: 33 acres, 1874, .40 second feet; 42 acres, 1897, .50 second feet. Nichol Ditch, Main Walker.

J. B. Gallagher, per James Johnston: 33 acres, 1871, .40 second feet; 70 acres, 1875, .84 second feet; 80 acres, 1880, .96 second feet. Merritt Ditch, Main Walker.

J. G. Kaufman, successor to Jasper Daniels: 50 acres, 1871, .80 second feet; 80 acres, 1883, 1.28 second feet. Jasper Daniels Ditch, East Fork.

Mrs. C. H. Kremmel: 30 acres, 1868, .48 second feet; 90 acres, 1903, 1.44 second feet. Jasper Daniels Ditch, East Walker.

Lyman B. Logan: 140 acres, 1898, 2.24 second feet; 20 acres, 1905, .32 second feet. Jasper Daniels Ditch, East Walker.

Lyon County Poor Farm: 95 acres, 1885, 1.14 second feet; 5 acres, 1900, .06 second feet. Merritt Ditch, Main Walker.

Meissner, C. F.: 60 acres, 1868, .72 second feet; 260 acres, 1877, 3.12 second feet. Nichol Ditch, Main Walker.

Mrs. E. Morris: 40 acres, 1872, .64 second feet; 20 acres, 1877, .32 second feet. Wilson Ditch, West Walker.

I. D. Morris: 15 acres, 1864, .24 second feet; 40 acres, 1870, .64 second feet. Wilson Ditch, West Fork.

J. Mathews, Pine Grove, successor to A. Grull: 67 acres, 1895, 1.07 second feet. Grull Ditches, East Walker.

J. C. Mills: 80 acres, 1872, .96 second feet; 75 acres, 1877, .90 second feet. Merritt Ditch, main stream.

Mrs. L. Meadows, per J. B. Gallagher: 30 acres, 1880, .36 second feet; 15 acres, 1901, .18 second feet. Spragg, Buley & Alcorn Ditch, main stream.

Angus McLeod: 100 acres, 1862, 1.20 second feet; 355 acres, 1863, 4.26 second feet; 165 acres, 1870, 1.98 second feet. McLeod Ditch, main river.

H. S. Morgan: 58 acres, 1879, .93 second feet; 10 acres, 1889, .16 second feet; 92 acres, 1894, 1.46 second feet. Morgan's ditches on East Fork.

J. B. Gallagher, per Philip Mann: 22 acres, 1904, .26 second feet. S. A. & B. ditches, main stream.

W. H. Morgan, successor to James H. Wright: 8 acres, 1861, .13 second feet; 16 acres, 1880, .26 second feet; 6 acres, 1895, .10 second feet. Wright ditches, East Fork.

Mrs. Ellen Melarkey: 40 acres, 1880, .64 second feet; 40 acres, 1885, .64 second feet. Jasper Daniels Ditch, East Fork.

T. M. McGowan: 78 acres, 1876, 1.25 second feet; 105 acres, 1902, 1.68 second feet; 20 acres, 1907, .32 second feet. Daniels Ditch, East Fork.

T. G. Nichol: 60 acres, 1872, .72 second feet; 17 acres, 1885, .20 second feet; 14 acres, 1896, .17 second feet. Nichol Ditch.

Nichol Land and Livestock Company: 366 acres, 1868, 4.4 second feet; 179 acres, 1878, 2.15 second feet; 9 acres, 1902, .11 second feet. Nichol Ditch, Main Walker.

J. W. O'Banion, successor to Frank Rivers, Wellington, Nevada: 15 acres, 1862, .19 second feet; 970 acres, 1863, 11.68 second feet; 130 acres, 1868, 2.08 second feet; 255 acres, 1878, 4.08 second feet. Burbank and Rivers & Simpson Ditches.

J. B. Gallagher, per J. P. Parker: 12 acres, 1899, .14 second feet. Buley, Spragg & Alcorn, Main Walker.

Geo. A. Plummer: 82 acres, 1877, 1.31 second feet, Wilson Tunnel Ditch, West Fork; 128 acres, 1883, 2.05 second feet, Wilson Tunnel Ditch, West Fork; 300 acres, 1894, 4.8 second feet, Slough Ditch.

A. A. Pinkerton, successor to J. H. Peters and A. E. Gale: 25 acres, 1869, .40 second feet; 95 acres, 1905, 1.52 second feet. Kelly Alkali Ditch, West Fork.

John B. Gallagher, per Perazzo Bros.: 150 acres, 1873, 1.8 second feet; 240 acres, 1882, 2.88 second feet; 120 acres, 1885, 1.44 second feet; 520 acres, 1892, 3.54 second feet; 130 acres, 1897, 1.56 second feet. S. A. & B. Ditch, Main Walker.

W. R. Penrose: 1,840 acres, 1874, 22.00 second feet; 840 acres, 1880, 10.08 second feet; 320 acres, 1891, 3.84 second feet. Gold Hill Ditch, main river.

H. C. Petersen, successor to Robt. Grimmon: 220 acres, 1863, 3.52 second feet; 228 acres, 1880, 3.64 second feet. Smith Ditch, West Fork.

Morris Pursel: 80 acres, 1895, 1.28 second feet; 43 acres, 1900, .69 second feet. Now irrigated from Sweetman Ditch, East Fork.

Nelson Poli: 100 acres, 1881, 1.6 second feet; 40 acres, 1893, .64 second feet. Poli's Ditch, on East Fork.

Chas. Perry: 15 acres, 1879, .24 second feet; 35 acres, 1885, .56 second feet; 55 acres, 1904, .88 second feet. Nelson Ditch, East Fork.

O. A. Perry: 90 acres, 1892, 1.08 second feet; 10 acres, 1904, 0.12 second feet. Wheeler Ditch, West Fork.

Mrs. S. A. Robinson, successor to Z. Nelson: 15 acres, 1899, .24 second feet. Baker & Snyder & Nelson Ditch, East Fork.

J. B. Gallagher, per W. M. Rollins: 65 acres, 1887, .78 second feet; 15 acres, 1895, .18 second feet; 20 acres, 1900, .24 second feet; 20 acres, 1906, .24 second feet. Spragg, Buley & Alcorn Ditch, Main Walker.

J. A. Rogers: 95 acres, 1863, 1.50 second feet; 150 acres, 1870, 2.40 second feet; 100 acres, 1875, 1.60 second feet; 100 acres, 1880, 1.60 second feet; 100 acres, 1885, 1.60 second feet. Wellington Ditch, West Fork.

W. F. & G. M. Reading, successor to Zadoc Pierce: 71 acres, 1883, 1.13 second feet. Pierce Irwin Ditch, West Fork.

Z. B. Ravenelle: 50 acres, 1885, .80 second feet. Ravenelle Ditch, East Fork.

W. H. Roach: 140 acres, 1860, 2.24 second feet; 75 acres, 1870, 1.20 second feet; 30 acres, 1885, .48 second feet. Roach Ditch on Sweetwater Creek.

I. A. Strosnider: 80 acres, 1863, 1.28 second feet; 240 acres, 1875, 3.84 second feet; 15 acres, 1887, .24 second feet; 170 acres, 1897, 2.72 second feet. Strosnider Ditches, East Fork.

Simpson Bros.: 20 acres, 1860, 0.34 second feet; 354 acres, 1862, 5.66 second feet; 204 acres, 1870, 3.26 second feet; 65 acres, 1875, 1.04 second feet; 530 acres, 1885, 8.48 second feet, Desert Creek. 1,688 acres, 1890, 20.31 second feet; 468 acres, 1895, 5.61 second feet; 67 acres, 1900, .80 second feet; 200 acres, 1905, 2.40 second feet, under Simpson Colony Ditch, West Fork.

Mrs. A. E. Simpson, Wellington: 159 acres, 1866, 2.54 second feet; 243 acres, 1878, 3.88 second feet; 10 acres, 1890, 0.16 second feet. Mitchell & Fuller, West Fork.

Mrs. Sarah Strosnider: 160 acres, 1879, 2.56 second feet; 150 acres, 1885, 2.40 second feet. Wilson Tunnel Ditch on West Walker.

T. C. Sharp, successor to S. Baldwin: 120 acres, 1877, 1.92 second feet; 40 acres, 1887, .64 second feet. Baldwin Ditches on Bodie Creek.

L. D. Santina: 160 acres, 1880, 2.56 second feet. Jasper Daniels, East Fork.

Chas. Snyder: 160 acres, 1865, 1.92 second feet, Spragg, Alcorn & Buley Ditch. 240 acres, 1870, 2.88 second feet, Campbell Ditch, main stream. 400 acres, 1869, 4.80 second feet, Merritt Ditch, main stream.

F. O. Stickney, successor to Sydney J. Sweetman: 240 acres, 1877, 3.84 second feet; 45 acres, 1883, .72 second feet; 10 acres, 1899, .16 second feet; 50 acres, 1900, .80 second feet. Wilson Tunnel Ditch, West Fork.

G. S. Simpson: 130 acres, 1882, 2.08 second feet; 50 acres, 1888, .80 second feet. Wilson Tunnel Ditch, East Fork.

H. W. Schacht: 80 acres, 1888, 1.28 second feet. Baker & Snyder Ditch.

C. C. Turner: 32 acres, 1884, .50 second feet. Wellington Ditch, West Fork.

J. B. Gallagher, per Alex Vein: 35 acres, 1873, .40 second feet; 15 acres, 1879, .18 second feet; 40 acres, 1885, .48 second feet; 62 acres, 1905, .74 second feet. Spragg, Alcorn & Buley Ditch, Main Walker.

G. W., J. I. and David Wilson & J. W. Wilson: 100 acres, 1861, 1.60 second feet, 60 acres, 1864, .96 second feet, Wheeler Ditch; 60 acres, 1862, .96 second feet, River Ditch; 60 acres, 1863, .96 second feet, 80 acres, 1869, 1.28 second feet, 130 acres, 1877, 2.08 second feet, 130 acres, 1890, 2.08 second feet, Wilson Ditch; 20 acres, 1868, .32 second feet, 575 acres, 1872, 9.20 second feet, Lee & Sanders Ditch; 440 acres, 1868, 7.04 second feet, Kelly-Alkali Ditch; 30 acres, 1875, .48 second feet, Wilson Tunnel Ditch; 20 acres, 1879, .32 second feet, Wilson Mill Ditch; 30 acres, 1903, .48 second feet, D. & G. W. Wilson Ditch. West Fork, Walker River.

Henry Wood: 48 acres, 1874, .57 second feet; 412 acres, 1879, 4.94 second feet; 17 acres, 1885, .20 second feet, Merritt Ditch, Main Walker.

J. B. Gallagher, per Fred Welling: 80 acres, 1885, .96 second feet. Spragg, Alcorn & Buley Ditch, Main Walker.

J. B. Gallagher, per Mrs. Anne Warren: 90 acres, 1880, 1.08 second feet; 80 acres, 1888, .96 second feet; 120 acres, 1900, 1.44 second feet. Spragg, Alcorn & Buley Ditch, Main Walker.

Walker River Indian Reservation, Government of the United States: 385.95 acres, 1868, 4.70 second feet; 295.8 acres, 1872, 3.55 second feet; 512.8 acres, 1875, 6.15 second feet; 625.2 acres, 1883, 7.50 second feet; 85.8 acres, 1886, 1.03 second feet.

Geo. W. Webster: 100 acres, 1862, 1.60 second feet; 110 acres, 1877, 1.76 second feet; 75 acres, 1887, 1.20 second feet; 40 acres, 1900, 0.64 second feet; 45 acres, 1906, 0.72 second feet. Wheeler Ditches Nos. 1 and 2, and Webster Bros. Ditch, East Fork.

Hamilton Wise: 70 acres, 1883, 1.12 second feet; 70 acres, 1891, 1.12 second feet. Baker Ditch, East Fork.

Fred Wade: 40 acres, 1905, 0.48 second feet. Spragg, Alcorn & Buley Ditch, Main Walker.

W. R. Penrose, per John G. Young: 40 acres, 1881, 0.48 second feet. Gold Hill Ditch, Main Walker.

Yparraguirre Bros., successors to Geo. Atcheson: 320 acres, 1861, 5.12 second feet; 160 acres, 1865, 2.56 second feet; 80 acres, 1870, 1.30 second feet; 320 acres, 1880, 5.12 second feet; 320 acres, 1885, 5.12 second feet. Sweetwater Ditches on Sweetwater Creek.

Mickey Ditch: 342 acres, 1865, 4.10 second feet; 521 acres, 1870, 6.25 second feet; 443 acres, 1875, 5.31 second feet; 70 acres, 1880, .84 second feet; 103 acres, 1885, 1.24 second feet; 135 acres, 1895, 1.62 second feet; 25 acres, 1900, .30 second feet. By the following-named persons: Mrs. E. B. Osborne, David W. Melarkey, F. F. Lucas, C. E. Osborne, F. F. Fitzpatrick, Homer Lancaster, Lydia E. Lancaster, James Lancaster, Joe Sceirne, successor to J. M. Houston; J. C. Gallagher, S. E. Burbank, M. Bovard.

Greenwood Ditch Company: 577 acres, 1865, 6.92 second feet; 150 acres, 1870, 1.80 second feet; 575 acres, 1875, 6.90 second feet; 727 acres, 1880, 8.72 second feet; 231 acres, 1885, 2.77 second feet; 200 acres, 1890, 2.40 second feet; 197 acres, 1895, 2.36 second feet; 7 acres, 1905, .08 second feet. By the following-named persons: Wm. H. Spragg, F. H. Knemeyer, successor to Adam Herbold; Charles E. Fox, Mary E. Barton, G. H. Barrett, George E. Batchelder, José C. Matthews, F. J. Matthews, J. B. Gallagher, H. M. and W. A. Pursel, H. C. Keema, G. B. Waldo, Mabel A. Gruber, administratrix estate of Delia Ross, S. H. Barrett, S. E. Burbank, O. A. Perry.

Fox Ditch Company: 885 acres, 1865, 10.62 second feet; 807 acres, 1870, 9.68 second feet; 667 acres, 1875, 8.00 second feet; 323 acres, 1880, 3.87 second feet; 160 acres, 1885, 1.92 second feet; 70 acres, 1890, 0.84 second feet; 85 acres, 1895, 1.02 second feet. By the following-named persons: David Paquint, F. W. Downey, Henry Hansen, Sam F. White, R. C. Scheel, B. H. Reymers, Antone Scossa, successor to Lemuel Jones; John B. Gallagher, James West, Hugh Brady, E. Hernleben, successor to James Walters; Mrs. Ada Freeman, C. Hernleben, Mrs. H. O. Pursel, I. F. Fitzpatrick, Wm. G. Larue, M. Bovard.

Spragg & Woodcock Ditch Company: 65 acres, 1863, .78 second feet; 555 acres, 1870, 6.66 second feet; 388 acres, 1880, 4.65 second feet; 175 acres, 1885, 2.10 second feet. By the following-named persons: Geo. W. Kneirim, successor to Geo. S. Leavitt; John Snyder, successor to Amos K. Pollard, Angus McLeod, David Paquint, F. W. Downey.

West Walker River Ditch Company: 970 acres, 1864, 11.64 second feet; 31 acres, 1869, 0.37 second feet; 450 acres, 1878, 5.40 second feet; 160 acres, 1885, 1.92 second feet; 47 acres, 1892, 0.56 second feet; 295 acres, 1897, 3.54 second feet. By the following-named persons: Joseph P. Lynch and Sophia E. Lynch (his wife), John McVicar, J. B., J. S. and May Mann, H. M. Schooley and Margaret Schooley (his wife), C. C. and Carrie L. Tidd, G. S. Simpson, Plymouth Company, J. W. O'Banion manager, J. W. Carter, successor to Fred Mc. H. Burner, L. R. Ames.

	Name.	Acres.	Second feet.
1860	P. J. Conway	120	1.92
	M. Fallon	250	4.00
	George A. Green	360	5.76
	W. H. Roach	140	2.24
	Simpson Brothers	20	.34
1861	James Atcheson	80	1.28
	Mrs. Agnes Compton	250	4.00
	P. J. Conway	80	1.28
	W. H. Morgan	8	.13
	David, G. W., J. I. and J. W. Wilson	100	1.60
1862	Yparraguirre Brothers	320	5.12
	Fulstone & Fredericks	150	2.08
	J. E. Gignoux	250	4.00
	Angus McLeod	100	1.20
	J. W. O'Banion	15	.19
	Simpson Brothers	354	5.66
	David, G. W., J. I. and J. W. Wilson	60	.96
	George W. Webster	100	1.60
	H. B. Gage and wife	120	1.96
	Mrs. Mary J. Hoye	10	.16
1863	Angus McLeod	355	4.26
	J. W. O'Banion	970	11.68
	H. C. Peterson	220	3.52
	J. A. Rogers	95	1.50
	I. A. Strosnider	80	1.28
	David, G. W., J. I. and J. W. Wilson	60	.96
	Spragg & Woodcock Ditch Company	65	.78
	M. Fallon	330	5.30
	I. D. Morris	15	.24
	David, G. W., J. I. and J. W. Wilson	60	.96
1864	West Walker River Ditch Company	970	11.64
	Greenwood Ditch Company	577	6.92
	James Atcheson	160	2.56
	Fox Ditch Company	807	9.68
	Fulstone & Fredericks	100	1.60
	H. B. Gage and wife	260	4.16
	J. E. Gignoux	100	1.60
	Charles Snyder	160	1.92
	Yparraguirre Bros.	160	2.56
	Mickey Ditch Company	342	4.10
1866	Mrs. E. A. Simpson	150	2.54
	Lamira Glann	9	.14
1867	J. B. Gallagher	122	1.48
	J. F. and C. F. Holland	250	3.00
	C. F. Meisner	60	.72
	Nichol Land and Livestock Company	366	4.40
	J. W. O'Banion	130	2.08
	David, G. W., J. I. and J. W. Wilson	460	7.36
	Walker River Indian Reservation	385.95	4.70
	J. O. Birmingham	110	1.32
	Pat Gallagher	70	.84
	A. A. Pinkerton	25	.40
1869	Charles Snyder	400	4.80
	David, G. W., J. I. and J. W. Wilson	80	1.28
	West Walker River Ditch Company	31	.37
	Mickey Ditch Company	521	6.25
	P. J. Conway	100	1.60
	Greenwood Ditch Company	150	1.80
	Battista Cremetti	60	.96
	Fox Ditch Company	807	9.68
	Fulstone & Fredericks	100	1.60
	Spragg Ditch Company	555	6.66
1870	Pat Gallagher	313	3.76

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	Name.	Acres.	Second feet.
1870	J. B. Gallagher	222	2.66
	I. D. Morris	40	.64
	Angus McLeod	165	1.98
	J. A. Rodgers	150	2.40
	W. H. Roach	75	1.20
	Simpson Bros.	204	3.26
	Chas. Snyder	240	2.88
	Yparraguire Bros.	80	1.30
1871	Delmonico Bros.	246	2.94
	James Johnston (J. B. G.)	33	.40
	J. G. Kaufman	50	.80
1872	R. S. Brooks	65	.78
	G. F. Feigenspan	140	1.68
	J. B. Gallagher	981	11.77
	Mrs. E. Morris	40	.64
	J. C. Mills	80	.96
	T. G. Nichol	60	.72
	David, G. W., J. I. and J. W. Wilson	575	9.20
	Walker River Indian Reservation	295.80	3.55
1873	J. C. Farrel (J. B. G.)	90	1.08
	S. W. Gregory	250	3.00
	J. F. and C. F. Holland	130	1.96
	Mrs. Adeline Hilburn	10	.12
	Perazzo Bros.	150	1.80
	Alex. Vein (J. B. G.)	35	.40
1874	R. S. Brooks	135	1.60
	J. O. Birmingham	160	1.92
	George A. Green	400	6.40
	J. B. Gallagher	348	4.18
	Charles B. Johnston	33	.40
	W. R. Penrose	1,840	22.00
	Henry Wood	48	.57
1875	Mickey Ditch Company	443	5.31
	Battista Cremetti	40	.64
	Greenwood Ditch Company	575	6.90
	Delmonico Bros.	214	2.57
	Fox Ditch Company	667	8.00
	Fulstone & Fredericks	100	1.60
	H. B. Gage and wife	40	.64
	Lamira Glann	31	.50
	James Johnston (J. B. G.)	70	.84
	J. A. Rogers	100	1.60
	I. A. Strosnider	240	3.84
	Simpson Bros.	65	1.04
	David, G. W., J. I. and J. W. Wilson	30	.48
	Walker River Indian Reservation	512.80	6.15
1876	T. M. McGowan	78	1.25
1877	Henry Baker	91	1.46
	Henry Brisson (J. B. G.)	130	1.50
	I. Cohn	600	9.60
	J. B. Gallagher	180	2.16
	C. F. Meisner	260	3.12
	Mrs. E. Morris	20	.32
	J. C. Mills	75	.90
	George A. Plummer	82	1.31
	T. C. Sharp	120	1.92
	F. O. Stickney	240	3.84
	David, G. W., J. I. and J. W. Wilson	130	2.08
	Geo. W. Webster	110	1.76
1878	James Atcheson	240	3.84
	J. O. Birmingham	80	.96
	A. W. Gander	80	1.28
	Nichol Land and Livestock Company	179	2.15
	J. W. O'Banion	255	4.08
	Mrs. E. A. Simpson	243	3.88
	West Walker River Ditch Company	450	5.40
1879	A. Charlebois	40	.64
	J. B. Gallagher	689	8.27
	H. S. Morgan	58	.93
	Chas. Perry	15	.24
	Mrs. Sarah Strosnider	160	2.56
	Alex. Vein (J. B. G.)	15	.18
	David, G. W., J. I. and J. W. Wilson	20	.32
	Henry Wood	412	4.94
1880	Henry Baker	39	.62
	Mickey Ditch Company	70	.84

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	Name.	Acres.	Second feet.
1880	P. J. Conway	100	1.60
	Greenwood Ditch Company	727	8.72
	G. F. Feigenspan	70	.84
	Fox Ditch Company	323	3.87
	Fulstone & Fredericks	100	1.60
	Spragg & Woodcock Ditch Company	388	4.65
	J. C. Farrel (J. B. G.)	50	.60
	Pat Gallagher	20	.24
	James Johnston (J. B. G.)	80	.96
	Mrs. K. Meadows (J. B. G.)	30	.36
	W. H. Morgan	16	.28
	Mrs. Ellen Melarkey	40	.64
	W. R. Penrose	840	10.08
	H. C. Peterson	228	3.64
	J. A. Rogers	100	1.60
	L. D. Santina	160	2.56
	Mrs. Anne Warren (J. B. G.)	90	1.08
	Yparraguire Bros.	320	5.12
	J. B. Gallagher	55	.66
1881	Nelson Poll	100	1.60
	John G. Young, per W. R. Penrose	40	.48
1882	Mrs. Mary J. Hoye	66	1.05
	Perazzo Bros.	240	2.88
	G. S. Simpson	130	2.08
1883	J. G. Kaufman	80	1.28
	George A. Plummer	128	2.05
	W. F. and G. M. Reading	71	1.13
	F. O. Stickney	45	.72
	Walker River Indian Reservation	625.20	7.50
	Hamilton Wise	70	1.12
1884	Margaret A. Dickinson	80	1.28
	J. B. Gallagher	40	.48
	C. C. Turner	32	.50
1885	Mickey Ditch Company	103	1.24
	A. Charlebois	200	3.20
	Greenwood Ditch Company	231	2.77
	Fulston & Fredericks	100	1.60
	Fox Ditch Company	160	1.92
	Lyon County Poor Farm	95	1.14
	Mrs. Ellen Melarkey	40	.64
	T. G. Nichol	17	.20
	Spragg & Woodcock Ditch Company	175	2.10
	Perazzo Bros.	120	1.44
	West Walker River Ditch Company	160	1.92
	Charles Perry	35	.56
	J. A. Rogers	100	1.60
	Z. B. Ravenelle	50	.80
	W. H. Roach	30	.48
	Simpson Brothers	530	8.48
	Mrs. Sarah Strosnider	150	2.40
	Alex Vein (J. B. G.)	40	.48
	Henry Wood	17	.20
	Fred Welling (J. B. G.)	80	.96
	Yparraguire Bros.	320	5.12
1886	Walker River Indian Reservation	85.80	1.03
1887	Henry Boerlin	160	2.56
	W. M. Rollins (J. B. G.)	65	.78
	I. A. Strosnider	15	.24
	T. C. Sharp	40	.64
	Geo. W. Webster	75	1.20
1888	Wm. Becker	40	.64
	G. S. Simpson	50	.80
	H. W. Schacht	80	1.28
	Mrs. Anne Warren (J. B. G.)	80	.96
1889	J. C. Farrel (J. B. G.)	50	.60
	H. S. Morgan	10	.16
1890	Greenwood Ditch Company	200	2.40
	P. J. Conway	120	1.96
	Fox Ditch Company	70	.84
	A. Charlebois	50	.80
	Margaret A. Dickinson	36	.57
	Lamira Glann	14	.20
	J. E. Gignoux	150	2.40
	Simpson Bros.	1,663	20.31
	Mrs. E. A. Simpson	10	.16
	David, G. W., J. I. and J. W. Wilson	130	2.08

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	Name.	Acres.	Second feet.
1891	W. R. Penrose	320	3.84
	Hamilton Wise	70	1.12
1892	Thomas Hall	58	.93
	Perazzo Bros.	320	3.54
	O. A. Perry	90	1.08
	West Walker River Ditch Company	47	.56
1893	Pat Gallagher	15	.18
	Nelson Poli	40	.64
1894	E. D. Cross	32	.51
	H. S. Morgan	92	1.46
	George A. Plummer	300	4.80
1895	Battista Cremetti	30	.48
	Mickey Ditch Company	135	1.62
	A. Charlebois	60	.96
	Greenwood Ditch Company	197	2.36
	Harriet E. Estes	8	.13
	Fox Ditch Company	85	1.02
	Lamira Glann	10	.16
	J. Mathews	.67	1.07
	W. H. Morgan	6	.10
	T. G. Nichol	14	.17
	Morris Pursel	80	1.28
	W. M. Rollins	15	.18
	Simpson Brothers	468	5.61
1896	Mrs. M. Allum	30	.48
	Henry Brisson	160	1.92
1897	Wm. Becker	80	1.28
	Carney Bros.	15	.24
	Pat Gallagher	5	.06
	Chas. B. Johnson	42	.50
	Perazzo Bros.	130	1.56
	I. A. Strosnider	170	2.72
	West Walker River Ditch Company	295	3.54
1898	Mrs. C. H. Kremmel	30	.48
1899	A. W. Green	20	.32
	M. J. Green	15	.24
	Lyman B. Logan	140	2.24
	J. P. Parker (J. B. G.)	12	.14
	Mrs. S. A. Robinson	15	.24
	F. O. Stickney	10	.16
1900	Mickey Ditch Company	25	.30
	J. O. Birmingham	120	1.44
	E. D. Cross	43	.69
	H. B. Gage and wife	20	.32
	Lyon County Poor Farm	5	.06
	Morris Pursel	43	.69
	W. M. Rollins	20	.32
	Simpson Bros.	67	.80
	F. O. Stickney	50	.80
	Mrs. Anne Warren (J. B. G.)	120	1.44
	Geo. W. Webster	40	.64
1901	Thos. Hall	11.5	.18
	Mrs. L. Meadows (J. B. G.)	15	.18
1902	Mrs. Adeline Hilburn	10	.12
	T. M. McGowan	105	1.68
	Nichol Land and Livestock Company	9	.11
1903	Mrs. C. H. Kremmel	90	1.44
	David, G. W., J. I. and J. W. Wilson	30	.48
1904	Henry Brisson	8	.09
	Battista Cremetti	15	.24
	C. F. Feigenspan	25	.30
	Pat Gallagher	25	.30
	Phillip Mann (J. B. G.)	22	.26
	Charles Perry	55	.88
	O. A. Perry	10	.12
1905	Greenwood Ditch Company	7	.08
	Harriet E. Estes	12	.19
	Lyman B. Logan	20	.32
	A. A. Pinkerton	95	1.52
	Simpson Bros.	200	2.40
	Alex Vein (J. B. G.)	62	.74
	Fred Wade	40	.48
1906	W. M. Rollins	20	.24
	George W. Webster	45	.72
1907	T. M. McGowan	20	.32

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