

STATE OF NEVADA

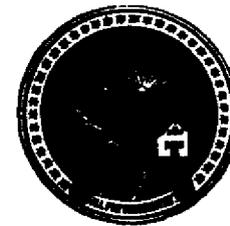
BIENNIAL REPORT

OF THE

STATE ENGINEER

1909=1910

EMMET D. BOYLE,
State Engineer of Nevada



CARSON CITY, NEVADA

STATE PRINTING OFFICE : : : JOE FARNSWORTH, SUPERINTENDENT

1911



BIENNIAL REPORT OF THE STATE ENGINEER

CARSON CITY, NEVADA, December 31, 1910.

To His Excellency, DENVER S. DICKERSON, *Lieutenant and Acting Governor of Nevada.*

SIR: Pursuant to Chapter XVIII, Section 13, Statutes of 1907, I hereby tender my report of the progress of work under the direction of the State Engineer for the period beginning January 1, 1909, and ending December 31, 1910.

In line with the modern theory of water-right regulation in the arid and semiarid States, the Twenty-first Session of the Legislature of the State of Nevada enacted a law, approved February 16, 1903, providing for the appointment of a State Engineer and vesting in him the authority to collect and prepare for each stream in the State a list of the appropriations of water according to priority thereon, based upon a hydrographic survey of such stream, a cultural survey of the lands irrigated therefrom, and upon the sworn statement of each appropriator of the facts upon which he based his claim to the use of such water and his priority. Following the preparation of such a list, it became the duty of the State Engineer to issue to each person, association or corporation represented in such list, a certificate over his signature, 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 in cases where the water was used for irrigation, a description of the legal subdivisions of the land to which the said water was appurtenant. Proper provision was made for appeal to any court of competent jurisdiction from the determination of the State Engineer by any party or number of parties acting jointly, who might have felt themselves aggrieved by his action, making all other parties having interests adverse to the party or parties bringing the action codefendants therein.

This Act, therefore, was the first step made by the State in providing a speedy and inexpensive method of adjudicating water rights. Regular court procedure has proven unsatisfactory in the settlement of controversies growing out of the use of water, since ordinarily an action in court is for the purpose of defining the rights of two or more users adverse to one another without reference to the rights of appropriators not appearing in the case, the decree entered thereunder not infrequently resulting from compromises between the interested parties and ignoring the rights of those not appearing. The high cost in time and money required to effect an adjudication in such a manner usually resulted in practical disbarment of appropriators not financially able to have their rights determined when an action was brought, from participation in the beneficial results of such an adjudication. On the other hand, the Act of 1903 made the adjudication of rights not a con-

test between individuals to be instituted only when controversies brought about intolerable conditions, but a matter of State action to determine what rights have been established to the use of a public property. Since the State takes the initiative in this determination the situation need not become acute before the rights of the various appropriators on any source are adjudicated and the elimination of the indeterminate features of adverse claims to the use of water results in the best possible insurance against litigation thereafter, as well as providing definite figures for use by a properly authorized agent of the State in distributing the water under further provisions of the Act giving the State Board of Irrigation the power to appoint water commissioners entrusted with the distribution of the water of the various sources to each appropriator in accordance with the findings of the State Engineer.

The Act of 1903, while providing for adjudication of all rights to the use of water which had become vested, or were then in process of initiation by the physical act of appropriation, did not provide for rights therein after to be initiated and the Twenty-second Session of the Legislature enacted an amendatory law, approved March 1, 1905, requiring any person, association or corporation thereafter desiring to appropriate any of the public waters, to file an application for permission to make such appropriation with the State Engineer and making it the duty of the State Engineer to examine into the facts regarding water supply in the source applied for and to approve or deny the application in accordance with his findings as to the existence or non-existence of unappropriated water in such source. This amendatory Act provided for the publication of a proper notice of each application in some newspaper of general circulation within the boundaries of the water system, or water source from which the appropriation was to be made; for the filing of protests against the granting of such application; the hearing of pertinent testimony in connection therewith; the filing of maps by applicants, whose applications had been approved and the filing of sworn statements within set periods setting forth the facts necessary to determine the nature and extent of the appropriation gained thereunder.

The Twenty-third Session of the Legislature enacted a law, approved February 26, 1907, not differing in any essential particular from the Act of 1903, as amended in 1905, but containing additional provisions regarding a system of fees to be charged by the State Engineer for services in filing applications and subsequent affidavits.

The system, as above outlined, is obviously one of extreme simplicity, and as in the case of any radical departure from accepted practice, it was not deemed advisable at the outset to surround the operation of the State Engineer's office with regulations of too rigid a nature, nor was it thought wise, during the period in which the law was being subjected to a practical test, to require either the appropriator, the extent of whose right was being determined, or the applicant attempting to initiate a right, to pay the State a fair compensation for the work done in his behalf. Even after it was decided to require the payment of a fee upon the filing of applications, no statutory provision was made for the collection of costs incurred in adjudicating vested rights, and there has been a tendency throughout to spare the appropriator the expendi-

ture of money wherever it was at all possible to do so. Any other policy would have undoubtedly defeated the purpose of the law and its administration heretofore, but since the entire practicability of the system has been proven, it should not be difficult to convince the public that a fee system to supplement the appropriation by the State for the carrying on of the work of adjudications by this office, will result in vastly increasing its efficiency both as to the quality and amount of work that it can accomplish. The details of such a system are given under the heading of "Suggested Legislation," but it is pertinent to call attention at this point to the fact that the great work which now confronts this office cannot be conducted with such care and precision as will bring lasting benefit to the people with any appropriation which the Legislature might be reasonably expected to make for the carrying out of the provisions of the present Act, or any similar law which may hereafter be enacted, unless the direct beneficiaries thereunder are assessed an amount sufficient to make this department more or less self-sustaining.

ADMINISTRATION OF THE OFFICE

The State Engineer's office was conducted, since the last biennial report of the State Engineer, under the administration of Mr. Frank R. Nicholas from January 1, 1909, until March 2, 1910; under Assistant Engineer, John R. Van Nagell, from March 3, 1910, to March 7, 1910, inclusive; and I was appointed to the position of State Engineer on March 8, 1910, serving during the balance of the two-year period covered in this report.

CARSON RIVER AND BRANCHES

The adjudication of vested rights to the use of water from this source was begun during the administration of former State Engineer E. A. Chandler, who completed his determinations on the East and West Forks, issuing certificates of appropriation to all of the users on these branches, and who determined the rights of the appropriators on the main river from the confluence of the East and West Forks to Churchill Canyon in Lyon County, issuing certificates to all those appropriators diverting water between the points named.

There remains to be adjudicated on this river the rights of a number of appropriators below Churchill Canyon and in the Carson Sink. With the exception of five claims to the use of water by appropriators in the Carson Sink, proofs of appropriation have been filed with this office by all those who do not hold certificates of appropriation on the Carson River. By agreement with the United States Reclamation Service all but four of the unadjudicated claims have been taken over by the administration of the Truckee-Carson Project in exchange for rights to the use of the combined waters of the Carson and Truckee Rivers through the distributing system of the Service.

The Reclamation Service, therefore, is the successor in interest to the various claimants who entered into this agreement with it and has been asked to submit a new set of proofs in lieu of the more or less defective statements of the appropriators who assigned their rights to them. I am assured that this will be done. The office is now working on the collection of proofs of appropriation from the four appropriators who did not assign their rights. Providing no contest arises from the pub-

lication of the statement of claims of these lower appropriators, the complete adjudication of rights to the use of water from the Carson River can be made early in the coming year.

THE TRUCKEE-CARSON PROJECT OF THE UNITED STATES
RECLAMATION SERVICE

Continuing progress is noted in the development of the Truckee-Carson Reclamation Project since the date of the last biennial report of the State Engineer.

The distributing system has been extended where necessary to supply the new lands brought under cultivation, and substantial gains have been realized in the acreage under cultivation, the yield of crops, the agricultural population and the market value of farm property.

The Government is now beginning the construction of the water storage reservoir in Carson River for the conservation of the waters of that stream. With the completion of this step in the development of the Project, the continued extension of settlement and cultivation of lands will be accelerated.

The appended tabulations, provided through the courtesy of Mr. D. W. Cole, Project Engineer, show the present condition of work and some of the results thus far attained:

Location and Climatic Conditions

State: Nevada.

Counties: Churchill, Storey and Lyon.

Townships: 17 and 18 N. Rs. 17 to 30 E; 19 N. Rs. 26 to 31 E; 20 N. Rs. 22 to 31 E, Mount Diablo Meridian.

Railroad: Southern Pacific.

Railroad stations: Fernley, Hazen and Fallon.

Average elevation of irrigable area: 4,000 feet above sea level.

Average annual rainfall in irrigable area: 4 inches.

Range of temperature on irrigable area: 0° F. to 105° F.

Water Supply

Source of water supply: Truckee and Carson Rivers.

Area of drainage basin: 3,450 square miles.

Average elevation of drainage basin: 8,000 feet above sea level.

Average annual rainfall on drainage basin: 25 inches.

Average annual run-off of drainage basin: 1,000,000 acre-feet.

Engineering Data for Complete Project

Reservoirs: Lake Tahoe—Area, 125,000 acres; capacity, 750,000 acre-feet; length of spillway, 85 feet; elevation of spillway, 6 feet above stream bed. Alkali Flat—Area, 8,500 acres; capacity, 228,000 acre-feet. Carson—Area, 11,000 acres; capacity, 290,000 acre-feet.

Storage Dams: Lake Tahoe—Type, concrete sluiceway regulator; maximum height, 14 feet; length of crest, 109 feet; contents, 425 cubic yards. Carson—Earth dam with masonry spillway; maximum height, 125 feet; construction begun. Alkali Flat—Designs in course of preparation.

Diversion Dams: Truckee River—Type, concrete sluiceways; maximum height, 22 feet, 4 inches; length of masonry, 171 feet; length of earthfill, 1,160 feet. Carson River—Type, concrete sluiceways; maxi-

mum height, 20 feet, 9 inches; length of masonry, 240 feet. Designs for others in course of preparation.

Length of canals (first unit): 104 miles with capacities greater than 300 second-feet; 79 miles with capacities less than 300 and greater than 50 second-feet; 487 miles with capacities less than 50 second-feet.

Aggregate length of tunnels: 2,840 feet.

Aggregate length of dykes: 50,000 feet.

Water power: About 8,000 horsepower available; provision made for development of 2,500 horsepower in 1911.

Construction of Project authorized: March 14, 1903.

Per cent completed: Entire Project, 57; first unit, 90.

Agricultural Conditions

Irrigable area: Whole Project, 206,000 acres; first unit, 90,723 acres.

Ownership of irrigable lands (first unit): Public, 46,117 acres; railroad, 10,031 acres; private, 36,086 acres; whole Project, 60 to 65 per cent public lands.

Area irrigated, season of 1910: 32,077 acres.

Character of soil of irrigable area: Sand, sandy loam, adobe and clay.

Water supply per acre: About 3 acre-feet; limited, however, to beneficial use.

Principal products: Alfalfa, grain, potatoes, onions, beets and melons.

Principal markets: Nevada, mining camps; California, cities.

Lands Opened for Irrigation

Dates of public notices and orders relating thereto: May 6, 1907; November 1, 1907; January 30, 1908; June 5, 1908; December 26, 1908; March 1, 1909; September 28, 1909; April 26, 1910; April 4, 1908.

Location of lands opened: Tps. 18, 19 and 20 N. Rs. 24 to 30 E, Mount Diablo Meridian.

Limit of area of farm units: Public, 80 acres; private, 160 acres.

Building charge per acre of irrigable land: \$22 and \$30.

Annual operation and maintenance charge: Fixed at present at \$0.60 per acre of irrigable land.

Construction Statistics to June 30, 1910

Canals: 40 miles class 1 (1,000 to 1,500 second-feet).

64 miles class 2 (300 to 1,000 second-feet).

79 miles class 3 (50 to 300 second-feet).

480 miles class 4 (50 second-feet and less).

Tunnels: Number, 4; total length, 2,840 feet.

Dikes and levees: 52,900 linear feet.

Canal structures: 68 class 1 (cost over \$2,000).

175 class 2 (cost from \$500 to 02,000).

1,279 class 3 (cost less than \$500).

Bridges: Number, 135, total length, 4,091 linear feet.

Roads constructed: Total length, 50 miles.

Telephone lines: Total length, 115 miles; number of telephones, 31.

Excavation: Class 1, 955,429 cubic yards.

Class 2, 83,831 cubic yards.

Class 3, 456,261 cubic yards.

Riprap: 16,555 cubic yards.

Paving: 39,665 square yards.
 Cement used: 54,000 barrels.
 Concrete: 39,000 cubic yards.

PRINCIPAL CONSTRUCTION FEATURES

In the Truckee River, some twenty miles below Reno, is built a concrete diversion dam and headworks for controlling the flow into the Main Truckee Canal. This dam is fifteen feet high and 155 feet in length of masonry, flanked by an earth embankment at one end in completing the closure of the river channel. In the dam are mounted sixteen sluice gates for discharging the river flow, while in the right abutment are installed nine headgates for control of flow into the main canal.

The Main Truckee Canal is thirty-one miles long and of 1,200 second-foot capacity. Its route traverses the steep bank of the river for several miles, partly in tunnel, partly in cement lined channel, but mostly in heavy earth and rock cutting. Emerging from the canyon section, opposite the town of Wadsworth, it extends for the greater portion of its length along the toe of the foothills at the upper edge of the bench lands which have begun to be irrigated by its waters. At its lower terminus the borrowed waters of the Truckee River have, until the present time, been dropped through 120 feet of height into the Carson River by means of a timber chute lined with sheet metal. A permanent concrete structure has recently been completed for use during the next and subsequent irrigation seasons. This new concrete chute will deliver the water into Carson River immediately upstream from a proposed storage dam now being constructed for retaining the waters of this stream, thus affording opportunity for storage of Truckee water also by operation of the canal at times when surplus Truckee water is available.

Proceeding down the Carson, its waters, mingled with those of the Truckee, encounter about four miles below, the Carson River Diversion dam, at each abutment of which there are installed headgates of the two principal canals of the main distributing system for the Carson Sink country.

This Diversion Dam is very similar to the corresponding structure in Truckee River. It is somewhat longer and the headgates of both canals are of the rising weir type instead of sluice-gate pattern.

The main canal of the right bank of the river at this dam is of 1,500 second-foot capacity, while that in the opposite bank is of 450 second-foot size.

These two principal arteries extend in their various ramifications of branches and small laterals so as to cover a scope of country about twenty-five miles eastward by twenty miles north and south.

This ditch system is now completed to the extent of readiness to supply water to 90,000 acres of land which is platted in farm units. An additional 116,000 acres is included within the scope of the Project system.

CROP YIELDS

Alfalfa was practically the only crop cultivated previous to the advent of the Reclamation Service with only the summer flow of Carson River then available, the harvest was confined to one or two cuttings of

alfalfa, yielding two to four tons of hay per acre. This staple crop is now being cut three or even four times in the season with yields of five to seven tons as an average and ten tons in some cases, with a constant approach to the latter figure by expert cultivators.

In addition to this main crop there have been added, with the better water supply, crops of barley, oats and wheat, yielding thirty to sixty bushels per acre, potatoes producing three hundred bushels and upward, onions with yields as high as twenty tons per acre. Sugar beets are just being attempted, the experimental crops having been very encouraging and the analyses showing very high percentages of saccharine matter. This is probably destined to become a very important staple crop on this project.

Deciduous and small fruits of all sorts, with a variety of melons, have been tried with success and will undoubtedly become a feature of the cultures on the project, and possibly may become of first importance.

In side lines conspicuous success has been attained in production of honey, poultry and dairy output.

During the month of September, 1910, the Board of United States Army Engineers, acting in a consulting capacity to President Taft, examined the Truckee-Carson Project with a view to determining what portion of the \$20,000,000 made available by the Federal bond issue to permit the completion of the various projects under the Reclamation Service should be expended in Nevada. They were accompanied on the trip by the State Engineer.

The Army Board was given an opportunity to hear expressions from the farmers who have settled upon the lands under the project, the consensus of opinion among the settlers being that the crops already had on the lands thus far irrigated in the Carson Sink were sufficient to justify the acquisition of a water right on these lands, even at the cost of \$50 an acre.

There is little room for doubt on the face of the excellent crop returns during the past year that the earlier settlers on this project were lacking in essential working experience, and to this cause alone is traceable the disappointing results at first obtained. Among the settlers were Eastern farmers unused to irrigation, to light soils and to the absence of bacteria, which at times must be supplied to desert lands before crops can be expected.

Mr. F. H. Newell, Director of the U. S. Reclamation Service at a meeting at Fallon, at which were present the Water Users Association and the Army Engineers, took occasion to emphasize the fact that credit for the Reclamation Act of Congress is almost solely due to Honorable Francis G. Newlands, senior Senator from Nevada, who advocated the theory that the reclamation of the Western deserts was probably one of the constructive duties of the Federal Government, and who, by persistent and intelligent efforts, at last attracted the favorable attention of Congress to the scheme of development, which under the administration of the U. S. Reclamation Service has resulted in providing homes throughout the West for thousands of families, as well as being, perhaps, the most important step yet taken by the Government looking to the utilization of our natural resources here before wasted.

The Director said further that, due to the persistent and energetic effort of Senator Newlands, and notwithstanding the fact that this State, owing to enormous land grants made to it by the Government in the past, had contributed less to the National revenues from said sales than any other State, Nevada was the first State selected for the expenditure of moneys under the direction of the Reclamation Service and has to date received a larger proportion of such moneys than has any of the other Western States or Territories.

The operations of the Reclamation Service in Nevada, therefore, should be given every possible assistance and encouragement.

THE WALKER RIVER AND BRANCHES

The East and West Forks of the Walker River head in the Sierra Nevada Mountains in Mono County, California, flowing northerly and uniting near Yerington, Lyon County, Nevada. The main Walker River formed at the confluence of the two forks flows northerly, then southwesterly to Walker Lake, the second largest body of still water entirely within the boundaries of the State.

The greater part of the land irrigated from this source lies in Nevada, though a very considerable acreage is irrigated with the waters of the West Fork in Antelope Valley in Mono County, California. The acreage irrigated from the East Fork in California is small.

The drainage area above the lowest gaging station of the U. S. G. S. at Wabuska is approximately 2,400 square miles and incomplete records at that point indicate that from 150,000 to 400,000 acre-feet, depending upon the precipitation, discharges annually into Walker Lake and is there lost.

There are several practicable storage sites on the two forks, but the Department of the Interior, on the recommendation of the Reclamation Service after an unsuccessful effort to get each appropriator on this system to agree to dispose of all but 160 acres of his holdings to permit of active work on this source, looking to the storage of the floods in accordance with the purpose of the Reclamation Act, withdrew from entry portions of the public lands lying within the various reservoir sites in order to prevent the storage of water to be used for the purpose of increasing the cultivated area of lands now held in private ownership.

While the wisdom of this move will undoubtedly be proven in time, no project of magnitude can be initiated on the Walker River except by or with the consent of the Federal authorities, and little hope is entertained of any development in the immediate future, though ultimately storage will add perhaps 100,000 acres to the irrigated lands deriving water from this source.

In average years the Walker River discharges water far in excess of present appropriations until some time in July; for the balance of the season the stream is very small.

In 1902 Miller and Lux brought an action in the United States Circuit Court against all of the other appropriators in Nevada and California for the purpose of having the rights of all users on the stream determined. In 1905, Hon. Henry Thurtell, then State Engineer, succeeded in convincing the litigants, whose lands lay in Nevada, that an adjudication by the State Engineer's office would result in greatly reducing the cost of the determination and the adjudication was com-

pleted by him acting as a Special Master in Chancery under the Court, in accordance with a set of stipulations entered into by the interested parties. When Mr. Thurtell severed his connection with the State Engineer's office to act upon the Board of Railroad Commissioners, he continued with this adjudication and has submitted his report to the Court, in which statement he defines the rights of practically all of the Nevada appropriators to the use of water for the irrigation of approximately 63,000 acres.

Since this adjudication was initiated by the State Engineer and was conducted in accordance with the practice of the office, it appears proper that the results should be credited to this department.

The stipulations as to trial of cause and other explanatory matter from the report to the Special Master in Chancery are reproduced in the following, while the statement of findings will be published in the appendix:

Pacific Livestock Company, vs. T. B. Rickey, et al.

STIPULATIONS AS TO TRIAL OF CAUSE

For the purpose of more conveniently determining the issues of fact existing between the undersigned as parties to the above-entitled suit, we, the undersigned, do hereby stipulate and agree as follows:

1. The proofs concerning the appropriation and use of the water of Walker River by the undersigned parties to this suit are to be gathered by Henry Thurtell, the State Engineer of the State of Nevada, and his associates, in the manner defined by the Statutes of Nevada, 1903, Chapter 4, Sections 1 to 14, so far as said statute is applicable under this stipulation. The said Henry Thurtell shall then, from the evidence so obtained, determine the respective priorities and extent thereof upon the stream, and the respective quantities of land to which such priorities attach, and shall find the quantity of water in cubic feet per second to which each party hereto is entitled, and shall also find upon all questions pertaining to the use of the waters of said stream by the parties hereto, and by their predecessors in interest. Said proofs shall be assembled by him, printed in pamphlet form, together with his findings thereon, and a copy sent, either by mail in the usual manner, or delivered personally, to each party to this stipulation. At any time within one hundred and twenty days after the said publication and delivery or mailing of said proofs, any of the parties hereto may file a protest against any finding or findings, stating in such protest wherein the findings are excessive or otherwise incorrect; and any such finding or findings to which no such protest shall be filed shall be deemed allowed as of course. Such protests shall be heard by the said Henry Thurtell at times and places to be designated by him, upon reasonable notice to the parties involved in such protests and their solicitors. Upon the hearing of any protest, the claimant shall have the right and may be required to furnish additional testimony under oath concerning the contested findings, and the protestant shall be entitled to produce such evidence as may be relevant and competent; and all witnesses examined on such hearings shall be subject to cross-examinations according to the rules of law, and all the testimony and proceedings shall be reported by a competent shorthand reporter.

2. When the proofs of appropriation and use shall have been so gathered, assembled and published, and such protests made and heard,

as above described, the said Henry Thurtell shall make such new, additional and corrected findings as the evidence and proofs require. He shall thereupon present to and file in this court his findings upon said issues in this suit, as between the parties hereto, together with the evidence so taken, and serve a copy thereof within five days after said findings have been presented to the Court upon each solicitor or firm of solicitors signing this stipulation.

3. The findings so made and filed shall be subject to review and correction by the Court upon exceptions filed; and when the findings are so settled by the Court, the final decree in this cause, so far as concerns the rights of the parties hereto as between themselves and their successors in interest, shall be based upon such findings and the law applicable thereto. Such exceptions shall be filed in said court within sixty days after such service.

4. The expenses of the hearing upon any protest before said Henry Thurtell including the fees and mileage of witness, the fees of the shorthand reporter, and the cost of depositions used on such hearings, shall be deemed costs in this cause and be taxed as the Judge of this Court may direct.

5. Should the said Henry Thurtell die, or cease to be the State Engineer, before the completion of said work, such part of the work theretofore completed may be used and adopted by his successor, if one is agreed to by all parties hereto, it being understood that his successor in said office shall not be entitled to proceed under this stipulation, except by consent of all parties hereto.

6. In making up his findings the said Henry Thurtell shall observe the following rules, which are hereby stipulated to be correct statements of the law applicable to this case:

(a) To constitute a valid appropriation there must be an actual diversion of the water from the stream and an actual application of the water to a beneficial use.

(b) The means employed in the diversion of the water and its application to use are immaterial, except that they must be such as to conduce to a reasonable and economical diversion and application, provided that all unused water shall be returned to the stream, where it is practicable.

(c) Every appropriator has the right to change at will the place and means of his diversion and carrying of the water, and the place and character of its use; and he does not thereby lose any priority of right which he may have acquired, except in so far as such change may be prejudicial to the rights of others previously acquired.

For example, one who has appropriated water through a certain ditch may discontinue the use of that ditch, and carry the appropriated water through another ditch, heading at a different point on the stream, without losing his priority, except in so far as such change may deprive another person of a right acquired before the change. But, on the other hand, though one who has appropriated water to run a mill may afterwards use that water for irrigation, he cannot make that change so as to prejudice those who, before he commenced to irrigate, had acquired rights to appropriation. A change in the use of water is not necessarily an abandonment of the appropriation for the first use.

(d) A valid right of appropriation may be lost by abandonment.

A mere failure to divert or use the water, however long continued, does not constitute abandonment, unless accompanied with the intent not to again use it. The intent to abandon may be inferred from circumstances, but should not be presumed except from clear evidence. But while mere nonuser does not amount to abandonment, that fact is competent evidence on the question of abandonment, and if continued for an unreasonable period it may indicate an intent to abandon, and may warrant the deduction of the fact of abandonment. The presumption, however, is not conclusive and may be overcome by other satisfactory evidence. Mere nonuser, if continued for five years or more, may, however, result in a forfeiture of the right or render the right subservient to the prescriptive right of another.

(e) The notorious, peaceable, exclusive, adverse and continuous use under claim of right, by a user up the stream of water claimed to have been appropriated by another, at a point lower down on the stream, gives to such adverse user title to such water by limitation or prescription, but such adverse user must have continued without adverse interruption for a period of five years, or more, after such prior appropriator had obtained a complete right of action therefor against such upper adverse user.

(f) Where an appropriator of water has prosecuted the work of appropriation with reasonable diligence and brought it to completion within a reasonable time, his right of appropriation relates back to the time when the first step was taken to secure it; but if the work of appropriation is not prosecuted with reasonable diligence and brought to completion within a reasonable time, his right of appropriation does not relate back to the time when work of appropriation was commenced, but is to be deemed to have been acquired only at the time when the work of appropriation was completed and the water actually diverted from the stream and put to a beneficial use. The appropriator must have exercised that degree of diligence which will indicate the constancy and steadiness of purpose and labor usual with men engaged in like enterprises, who desire and intend a speedy accomplishment of their designs.

(g) All questions of fact, or law or equity, or procedure involved in this suit not provided for in this stipulation, shall be determined by the Court upon application of any party hereto, and all proceedings upon such application, including the giving of notice, shall be had and taken in accordance with law and the rules of the Court.

7. No party shall be entitled to present on the hearing of any protest any evidence other than through sworn witnesses or competent documentary evidence. No ex parte affidavit, or other ex parte statement, shall be received on such hearing except as against the person making the same, or his successor in interest. The said Henry Thurtell may, in his discretion, either admit or exclude offered evidence, subject to objection, to be stated at the times such evidence is offered, or certify to the Court the question of the admissibility of any evidence objected to; and thereupon further proceedings upon the specific matter objected to, shall await the action of the court thereon. If the said Henry Thurtell shall improperly admit or reject any evidence objected to, the court, upon its review of the findings of the said Thurtell, shall admit such evidence, if the same ought to have been admitted, or exclude the same, if the same ought to have been excluded, and the

Court shall thereupon correct said findings, or make new findings, according to the facts and without returning the matter to said Henry Thurtell for any further action by him. None but legal evidence shall be admitted or considered on the hearing of the protest. Any witness previously examined by the said Thurtell shall be subject to cross-examination by any party to the protest, providing such witness at the time of the hearing of the protest is living and mentally competent.

8. The Government of the United States of America may, at its option, become a party to the above-entitled suit and to this stipulation in the following manner, and within the time hereinafter specified: Immediately upon the filing of this stipulation the Clerk of said Court shall deliver in person to the United States Attorney for the District of Nevada a certified copy of this stipulation. If, within thirty days after said service of said certified copy, the Government of the United States of America shall, through its legally authorized officer or officers, file with the Clerk of this Court a notice that it desires to become a party to this suit, and to this stipulation, and shall serve copies of said notice upon the solicitors for all the parties to this suit, then the Court may enter an order making the Government of the United States of America a party to this suit. Within thirty days after the making an entry of such order, the said Government shall file and serve upon the solicitors for all the parties to the suit, its pleadings in this suit, which pleadings need not be in any particular form, but which shall set forth, specially and particularly, what rights the said Government claims in or to the waters of said Walker River, and the basis and origin of the rights so claimed, and the times at which they respectively accrued; and such pleading shall be deemed sufficient to entitle said Government, in the most liberal manner possible, to the full and complete presentation of its cause of action or defense or equitable rights concerning the matters in controversy in this suit, or in anywise appertaining thereto, and to have the same adjudicated in and by the decree of the Court in this suit.

9. This stipulation shall have no force or effect until signed by all parties to the suit, and their solicitors, except Thomas B. Rickey; provided however, that the same may be put in force and become binding, as between the parties subscribing the same, if an endorsement to that effect be made hereon and signed by Isaac Frohman or Frank H. Short, and Cheney & Massey, and Mack & Farrington, and George S. Green.

10. This stipulation is made subject to the approval of the Court, and upon such approval it is agreed that the said Court may enter an order appointing the said Henry Thurtell a special Master in Chancery in this suit, to take such testimony and evidence and perform such duties herein as are provided by the terms of this stipulation. The findings and decree made as in this stipulation provided shall have the same weight, force and effect as would attach to the same if this suit had been tried altogether in accordance with the usual rules and methods of practice in said Court.

11. Should complainant obtain judgment herein the same shall not be effective against the defendants signing this stipulation, unless this action is prosecuted against Thomas B. Rickey and his assigns to judgment upon the merits.

Witness our hands, this.....day of....., 1907.

EXPLANATORY STATEMENT

The foregoing stipulations were signed by the Pacific Livestock Company and by Cheney, Massey & Price, attorneys for the Fox, Mickey, and Greenwood Ditch Companies; by Mack & Green, attorneys for the Walker River Water Users' Association; by S. S. Downer, attorney for J. B. Gallagher; by John D. Lothrop, attorney for W. H. Penrose, H. F. Swasey, S. W. Gregory and Alfred Gifford; by H. M. Kidd, attorney for Henry Wood, J. O. Birmingham, Chas. Snyder and Chas. Johnson, and by all the defendants or their successors in interest with the following exceptions, namely: Hugh Brady, T. F. Fitzpatrick and M. J. Green.

The stipulations, as signed, were filed with the Clerk of the Court in May, 1907, and in July, 1907, tentative findings were prepared, printed, and a copy sent to each person using water from the Walker River in Nevada, and a copy of these findings were sent to each attorney of record in the case.

On October 22, 1907, a meeting was held in the State Engineer's office at Carson City, Nevada. At this meeting were present W. A. Massey, attorney for the Fox, Mickey, and Greenwood Ditch Companies; C. E. Mack and George S. Green, attorneys for the Walker River Water Users' Association; S. S. Downer, attorney for J. B. Gallagher; Isaac Frohman, attorney for the Pacific Livestock Company; G. Waldo, representing the interests of the Greenwood Ditch Company; D. W. Melarkey, representing the interests of the Mickey Ditch Company; Patrick Gallagher, J. I. Wilson, L. R. Ames, C. R. Gignoux, and W. Simpson representing the interests of the Walker River Water Users' Association; J. B. Gallagher, P. Gifford, J. R. Van Nagell, and Henry Thurtell, Special Master in Chancery.

It was the unanimous wish of all present that Mr. Thurtell should, within the succeeding twenty days, allow all persons to make such corrections to their claims as the facts warranted, and that after the expiration of the period named, he should compile the corrected findings, print them and mail a copy of these amended findings to each user of water and to each attorney. The findings so made should be considered the findings of the Special Master in Chancery made under the stipulations as signed by the litigants and filed with the Clerk of the Court. Under the stipulation any person desiring to protest against any finding must file a definite written protest against the findings at the State Engineer's office within one hundred and twenty days after the date of mailing the findings.

In accordance with their unanimous desire, the Special Master in Chancery prepared an amended statement of findings with such corrections as the facts shown appeared to warrant, and January 27, 1908, mailed copies of these amended findings to each water user and to each attorney.

No protests were filed against any of the findings until May 26, 1908. Upon that date the firm of Mack & Green filed protests on behalf of the Walker River Water Users' Association against the findings made in favor of the Pacific Livestock Company, and a number of protests against certain findings upon the ground that oversight or error had been made in the claims submitted. These latter protests were of minor importance and upon the hearings held in October were either withdrawn or the correction sought was obtained without opposition

upon proof being made in support of the claim. Proof was made that Lamira Glann had no interest in the Gignoux ditches, and the right given her to take water therefrom should be canceled. Consent was given that 40 acres and .48 second-feet, with a priority of 1865, should be added to the findings in favor of the Mickey Ditch Company. Proof was made that 5 acres and .08 second-feet with a priority of 1861 should be added to the findings in favor of J. A. Rodgers. Proof was made that 13½ acres and .21 second-feet with a priority of 1901 should be added to the findings in favor of Thomas Hall. Consent was given that a finding should be made in favor of Frank P. Shirley for 105 acres and 1.28 second-feet with a priority of 1898, and 155 acres and 1.85 second-feet with a priority of 1900, watered by the Nichol Ditch. Consent was given that the findings in favor of G. S. Simpson, should be corrected to read .80 second-feet instead of 80 second-feet. Consent was given that the right accorded to the Pacific Livestock Company, which on page 12 of amended findings reads 100 acres, 1883, 8.40 second-feet, should be corrected to read 700 acres, 1883, 8.40 second-feet. Consent was given to correct the findings in favor of Mrs. Adeline Hilbun, which erroneously reads, "from the Spragg Allcorn and Buley Ditch," to read "from the Hilbun Ditch."

The hearings relative to the protests were begun in October, 1908. They were continued for sixteen days in October and then adjourned until December of the same year. In December the hearings were continued for ten days. In all about thirty witnesses were examined.

Nearly all of the testimony offered concerned the rights to water of the Pacific Livestock Company, and was given in support of or in opposition to the protest filed against the findings in favor of that company.

At the end of twenty-six days of hearings attorneys for both sides announced that they believed they could agree upon the findings in favor of the Pacific Livestock Company, and asked that the hearing be discontinued in order to give them time for consultation. At the end of three days of consultation they announced to the Master in Chancery that they had agreed upon a set of findings and asked that adjournment be taken for sixty days in order that they might have time to draw up an agreement that should cover the points that had been agreed upon.

Continuance of the hearing on the protest against the findings made in favor of the Pacific Livestock Company were regularly made from time to time as the settlement agreement between the members of the Walker River Water Users' Association and the Pacific Livestock Company was being drafted and the signatures obtained. It was considered necessary to get the signatures of all parties to this settlement. There were eighty-four persons and they were scattered throughout several States. The work was, however, completed on March 30, 1910, and the Master in Chancery was notified at once that the protest against the findings of the Pacific Livestock Company had been withdrawn.

At the hearing held March 11, 1910, the Master in Chancery announced that D. J. Butler and Antone Tamagni had filed proofs too late to have their rights recognized in the original findings. The Master announced that these proofs indicated that Mr. D. J. Butler was entitled to a finding in his favor for sufficient water to irrigate 40 acres of land or .64 second-feet, from the Jasper Daniels Ditch with

a priority of 1890, and that Antone Tamagni, the successor in interest to DeWitt Crowinshield, was entitled to sufficient water, .48 second-feet, to irrigate 40 acres of land with a priority of 1873, and 70 acres of land or .84 second-feet, with a priority of 1878, both from the Nichol Ditch.

The Master announced that he had notified all attorneys in the case of the claims filed on behalf of Antone Tamagni and D. J. Butler, and had asked that if objection was had to the preparation of findings in accordance with the claims, that the objection be made to the Master in open hearing. No objection was made to including these findings with others in this report to the Court, and they will be found regularly listed with all the other claims in the succeeding findings.

Persons whose rights are embraced in the findings, but were not parties to the suit: Mrs. M. Allum, R. S. Brooks, Henry Boerlin, Mrs. Agnes Compton, successor in interest to James Compton, Henry Carney, John Carney, and Thomas Carney; I. Cohn; Harriet Estes; M. Fallon; A. W. Gander; A. W. Green; Hattie F. Kremmel; Lyman B. Logan; Lyon County, for the County Poor Farm; Mrs. E. Morris; I. D. Morris; Mrs. Ellen Melarkey; T. G. Nichol; Morris Pursel; Chas. C. Perry; O. A. Perry; Government of the United States; C. L. Tidd; Wm. G. Larne; H. M. Pursel, and Mrs. H. O. Pursel.

The following is a list of names who were not parties to the suit, but have succeeded to rights held by persons who were parties to the suit:

- Agnes Compton, successor in interest to James Compton.
- I. Cohn, successor in interest to Joseph Nudelman.
- Ulisse and Modesto Delmonico, successors in interest to S. E. Burbank.
- Dora E. Fulstone and John F. Fredericks, successors in interest to William Fulstone.
- S. W. Gregory, successor in interest to H. F. Swasey.
- J. G. Kaufman, successor in interest to Joseph Daniels.
- J. Mathews, successor in interest to A. Grub.
- W. H. Morgan, successor in interest to James H. Wright.
- Nichol Land and Stock Company, successor in interest to James Nichol.
- J. W. O'Banion, successor in interest to Joseph Nudelman and Frank Rivers.
- A. A. Pinkerton, successor in interest to J. H. Peatrous and Allen E. Dale.
- H. C. Peterson, successor in interest to Robt. Grimmon.
- Mrs. S. A. Robinson, successor in interest to Z. Nelson.
- John W. and Frank W. Simpson, now known as Simpson Bros., successors in interest to The Simpson Company.
- T. C. Sharp, Successor in interest to S. Baldwin.
- L. D. Santana, successor in interest to John Compton.
- F. O. Stickney, successor in interest to Sidney J. Sweetman.
- Leon and Frank Yparraguirre, successors in interest to George Atcheson.
- O. A. Perry, successor in interest to Sidney J. Sweetman.
- Lamira Glann, successor in interest to Jesse Glann (sued as Jesse Glenn).
- Chas. C. Perry, successor in interest to James Smith.
- Antone Tamagni, successor in interest to DeWitt Crowinshield.

Frank P. Shirley, successor in interest to Mary Bowland Shaw (sued as Mary T. Shaw).

Nelson Poli, successor in interest to J. Justi.

THE TRUCKEE RIVER

The Truckee River has its head in Lake Tahoe in Eldorado County, California. Its total length is about 110 miles, in which distance it falls approximately 2,350 feet, discharging into Pyramid Lake in Washoe County, Nevada. Its three most important tributaries are Donner Creek, which heads in Donner Lake; Prosser Creek, heading in a number of small lakes in California, and the Little Truckee River, which heads in Webber and Independence Lakes. All of these mountain lakes are more or less admirably adapted to storage, and the work of storing the flood waters of Lake Tahoe has been actually begun, consisting of a dam at the head of the Truckee River for the purpose of controlling the flow of the said stream. This work was undertaken under a tentative agreement between the Truckee River General Electric Company, who own power rights on the Truckee River in Nevada and California, and the Department of the Interior. Owing to reasons which have not yet been made public, work was suspended on the dam during the present year.

The drainage area tributary to Lake Tahoe is 519 square miles, and this watershed supplies approximately one-third of the water which discharges through the canyon below the Truckee Meadows, wherein lies the largest irrigated area on this stream.

The United States Reclamation Service diverts water from the Truckee River at Derby for the irrigation of the lands under the Truckee-Carson Project, at Fallon, and a comparatively small area is irrigated along the river bottom, and on the United States Indian Reservation near Pyramid Lake below this point.

Looking to an adjudication of the vested rights on this stream, the State Engineer's office has collected through Field Engineer Carl Stoddard, 148 proofs of appropriation representing rights to the use of water for the irrigation of 18,435 acres of land in the Truckee Meadows and Washoe Valley.

In addition to this work a series of determinations on the duty of water in the Truckee Meadows was conducted during the summer of 1910 under the Cochran ditch by Assistant Engineer J. R. Van Nagell. This determination not covering a full irrigating season is still too incomplete to justify its publication in this report. At the urgent instance of the United States Reclamation Service, this office has endeavored to arrive at figures which will precisely indicate the actual duty of water on the lands lying in the Truckee Meadows, and the work conducted by Mr. Van Nagell consisted in the installation of 70 weirs in the various laterals from the Cochran ditch, which was taken as a representative case.

The preliminary figures, now in our possession, indicate that the actual gross duty of the water diverted from the river on these lands is very low, though the character of the soil and the topography of the basin is such that the surplus water drains back into the channel of the river.

The general determination of the net duty of water on this area obtained by taking the difference between the discharge of the stream

above the Truckee Meadow ditches, and the discharge of the stream below the meadows indicates, however, that the actual net duty of the water employer for the irrigation of this area is high, being less than 2 1/2 acre-feet per annum for each acre irrigated.

There is rarely a shortage of water for irrigation purposes in the Truckee Meadows and as a consequence the necessity of a determination of the rights of the various appropriations in this section has not been as apparent to the claimants themselves as would have been the case had the river failed at times to satisfy their requirements.

Considerable difficulty has attended the collection of proofs and on the advice of their attorneys, several claimants have flatly declined to submit their statements as required by law. The advisability of testing the statutes by causing the arrest of one or more claimants, who had declined to submit statements, was discussed and it was finally decided that until a proper default provision were enacted and made a part of the irrigation code, any proceedings to force the submission of proofs would not justify the expense or compensate for the antagonism to this department which such a process might entail. Owing to the lack of funds the determinations on this source were discontinued in September, 1910, but it is very important that the adjudication of vested rights on the Truckee River proceed as rapidly as possible during the coming year in order to facilitate the operations of the Reclamation Service and to protect the interests of those claimants whose rights are adverse to those of the service.

Apart from the agricultural development depending on this source in Churchill County, practically no increase of the acreage irrigated by the waters of the Truckee River can be noted. There are no lands in California on which the water can be applied with commercial success for the raising of crops, and unless storage were created, no increase can be looked for in the Truckee Meadows. However, the power possibilities of the stream are not being overlooked, there being at the present time in California and Nevada four hydro-electric plants producing approximately 10,000 horsepower with another large unit in process of construction.

HUMBOLDT RIVER

The Humboldt River heads in the northeastern part of Nevada and flows in a general southwesterly direction into Humboldt Lake or Sink. The waters of this source formerly reached the Carson Sink, but are now held in Humboldt Lake by a dam constructed by the Reclamation Service.

The principal tributaries of the Humboldt River are the North and South Forks of the Humboldt, which have their confluence in the main stream near Elko, Nevada; Rock Creek and Reese River, which join the Humboldt near Battle Mountain, and the Little Humboldt River which discharges into the Humboldt proper near Winnemucca.

There has been tremendous activity in the initiation of rights for agricultural purposes during the past two years, both upon the main river and its tributaries. The tabulated list of applications for permit to appropriate water gives the number of applications covering these sources.

Since the flow of this stream diminishes rapidly during the irrigating season, and since the appropriators in Lovelock Valley suffer annually

may River?

from water shortage before their crops have matured, a conflict between the lower appropriators and those taking water from the tributaries, has for some time appeared imminent, and this office believes that no action should be taken upon any application for permission to divert water from the river, or its tributaries, until a complete hydrological study of the stream has been completed. This work has been initiated by this department during the present year. During the month of March, 1910, the greatest floods which have yet been recorded, came down the Humboldt River, causing great damage throughout its entire length. Nearly all the dams in the stream were destroyed; the channel of the river was changed at various points; thousands of acres of cultivated lands were inundated; railroad bridges were carried away, and many appropriators were unable to procure water through their works of diversion during any time of the year. In the Lovelock Valley, the dams diverting water into all important ditches, with one exception, were destroyed, and as a result of this, and through the efforts of this office, an entirely new distributing system for that valley has been adopted, six of the most important ditches having consolidated, three of these taking water through a common canal at one point, and three through a common canal at another point. In both cases the parties interested have commenced the installation of substantial dams of the sluice-way pattern, designed to withstand the most destructive floods, which will replace the numerous lighter structures which previously served to divert the water. Reference is hereby made to the section covering the operations of this office in connection with reclamation schemes under the Carey Act. Special mention should be made here of a very important enterprise now under construction on the main Humboldt River which will effect the reclamation of approximately 60,000 acres of land in the vicinity of Lovelock, this being the project of the Humboldt-Lovelock Light & Power Company, who have thus far constructed a concrete dam in the river at a point near Humboldt House, and have completed the excavation of something over four miles of a diverting canal, having a width at the water line of 39 feet, on the bottom 25 feet, with a depth of seven feet, and which will, when completed, convey the flood water a distance of $12\frac{1}{2}$ miles to a series of natural reservoirs, with an aggregate capacity of approximately 57,000 acre-feet near Mill City.

The adjudication of vested rights on the Humboldt has proceeded in a rather intermittent manner since the last biennial report. < Field Engineer Ray B. Crowell has collected the statements of some ninety appropriators in Paradise Valley claiming rights for the irrigation of approximately 90,000 acres of land with the waters of the Little Humboldt and tributary creeks. > In addition to these proofs eighty-one proofs of appropriation have been filed by claimants diverting water of the Humboldt River below Winnemucca, covering rights to water for the irrigation of approximately 36,000 acres.

No work has been done on this adjudication since March of this year, owing to the lack of funds, but this stream, perhaps more than any other source in the State, should receive the earnest attention of this department during the coming two years, and should adequate funds be made available by the coming Legislature, I have no hesitancy in saying that adjudication, conducted along the lines suggested in the

proposed amendments to the irrigation code, would result in incalculable benefit not only to the appropriators, whose rights have become vested on this source, but also to the State at large since it would permit of the initiation of reclamation projects depending for water supply on floods, the extent of which, over and above present appropriations, is too indefinite to permit of intelligent estimates.

MUDDY RIVER

The rights of appropriators on the Muddy River were determined by this office under former State Engineer Henry Thurtell. The waters of this source appear to be almost entirely appropriated and it may be said that the appropriators are making as economical a use of their rights as is being made anywhere in the West. The statement of findings by the State Engineer's office concerning the rights to the use of water from this source will be found in the appendix to this report.

QUINN RIVER

The Quinn River rises in the northern part of Humboldt County, flowing thence southerly to Township 40 north, Range 35 east, and flowing thence northwesterly, thence southwesterly into the Black Rock Desert. An important project contemplating the irrigation of approximately 50,000 acres of land under the provisions of the Carey Act has been initiated on this source and its tributaries by the Ellison Ranching Company, which it is confidently expected will, at least, double the irrigated area tributary to this source. No adjudication of rights has been made as yet upon the Quinn River, but this department hopes to be in a position during the coming two years to undertake to complete the determination of the rights of all appropriators on this stream and thereby forestalling litigation which, at this time, appears to be imminent.

MINOR STREAMS

Preliminary investigation has been conducted by this office during the present year on the White River, the Reese River, Duck Water Creek, Currant Creek, Trout and Bishop Creeks, Simpson Creek, and upon a very considerable number of smaller streams throughout the State, and the State Engineer and the Assistant Engineer have made approximately 100 measurements of discharge on various water sources during their trips of inspection.

RECLAMATION PROJECTS UNDER THE CAREY ACT

Section 4, of the Act of August 18, 1894, entitled "An Act making appropriations for sundry civil expenses of the Government for the fiscal year ending June 30, 1895, and for other purposes" (28 Stat. 372-422), authorizes the Secretary of the Interior, with the approval of the President, to contract and agree to patent to the States of Washington, Oregon, California, Nevada, Idaho, Montana, Wyoming, Colorado, North Dakota, South Dakota and Utah, or any other States, as provided in this Act, in which may be found desert lands, not to exceed 1,000,000 acres of such lands to each State, under certain conditions.

The text of the Act is as follows:

SEC. 4. That to aid the public land States in the reclamation of the desert lands therein, and the settlement, cultivation, and sale thereof in small tracts to actual settlers, the Secretary of the Interior, with the approval of the President, be, and

hereby is, authorized and empowered, upon proper application of the State to contract and agree, from time to time, with each of the States in which there may be situated desert lands as defined by the Act entitled "An Act to provide for the sale of desert land in certain States and Territories," approved March third, eighteen hundred and seventy-seven, and the Act amendatory thereof, approved March third, eighteen hundred and ninety-one, binding the United States to donate, grant, and patent to the State free of cost for survey or price such desert lands, not exceeding one million acres in each State, as the State may cause to be irrigated, reclaimed, occupied, and not less than twenty acres of each one hundred and sixty-acre tract cultivated by actual settlers within ten years next after the passage of this Act as thoroughly as is required of citizens who may enter under the said desert land law.

Before the application of any State is allowed or any contract or agreement is executed or any segregation of any of the land from the public domain is ordered by the Secretary of the Interior, the State shall file a map of the said land proposed to be irrigated which shall exhibit a plan showing the mode of the contemplated irrigation and which plan shall be sufficient to thoroughly irrigate and reclaim said land and prepare it to raise ordinary agricultural crops, and shall also show the source of the water to be used for irrigation and reclamation, and the Secretary of the Interior may make necessary regulations for the reservation of the lands applied for by the States to date from the date of the filing of the map and plan of irrigation, but such reservation shall be of no force whatever, if such map and plan of irrigation shall not be approved. That any State contracting under this section is hereby authorized to make all necessary contracts to cause the said lands to be reclaimed and to induce their settlement and cultivation in accordance with and subject to the provisions of this section; but the State shall not be authorized to lease any of said lands or to use or dispose of the same in any way whatever, except to secure their reclamation, cultivation and settlement.

As fast as any State may furnish satisfactory proof according to such rules and regulations as may be prescribed by the Secretary of the Interior, that any of said lands are irrigated, reclaimed and occupied by actual settlers, patents shall be issued to the State or its assigns for said lands so reclaimed and settled; *provided*, that said State shall not sell or dispose of more than one hundred and sixty acres of said lands to any one person, and any surplus of money derived by any State from the sale of said lands in excess of the cost of their reclamation, shall be held as a trust fund for and be applied to the reclamation of other desert lands in such State. That to enable the Secretary of the Interior to examine any of the lands that may be selected under the provisions of this section, there is hereby appropriated out of any moneys in the treasury, not otherwise appropriated, one thousand dollars.

The regulations of the General Land Office made in conformity with the foregoing prescribes certain duties for the State Engineer. Article 3 of the regulations providing that:

In accordance with the requirements of the Act, the State must give full data to show that the proposed plan will be sufficient to thoroughly irrigate and reclaim the land and prepare it to raise ordinary agricultural crops; for which purpose a statement by the State Engineer of the amount of water available for the plan of irrigation will be necessary. The other data required cannot be fully prescribed, and it will depend upon the nature of the plan submitted. All information necessary to enable this office to judge of its practicability for irrigating all the land selected must be submitted.

The Legislature of the State of Nevada, by Act approved March 23, 1909, prescribed certain duties for the State Land Register and the State Engineer to permit of compliance by the State with the provisions of the foregoing Act of Congress.

The State Act provides as follows:

Immediately upon the receipt of the lists and affidavits the State Land Register shall examine the same and ascertain if they comply with the regulations of the Department of the Interior and the rules of the State Land Office. If they do not, they shall be returned for correction; but if they do so comply, they shall be submitted to the State Engineer, who shall examine the same and make a written report in duplicate to the State Land Register, stating whether or not the proposed works are feasible; whether the proposed diversion of the public water of the State will prove beneficial to the public interest; whether there is sufficient unappropriated water in the source of supply; and whether or not a permit to divert and appropriate water through the proposed works has been approved by him; whether the capacity of the proposed works is adequate to reclaim the land described; whether or not the proposed cost of construction is reasonable; and whether or not the lands proposed to be irrigated are desert in character and such as may properly be set apart under the provisions of the aforesaid Act of Congress, and the rules and regulations of the Department of the Interior. Whenever the State Engineer shall be unable, from an examination of the maps and field notes submitted for his examination, to determine whether or not the proposed irrigation works are feasible, and adequate, whether or not the proposed cost of construction is reasonable, or whether or not the proposed diversion of the public waters is beneficial to public interest, and whether or not the lands proposed to be irrigated are of such a character as to come under the provisions of the aforesaid Act of Congress, it shall be his duty to make, or cause to be made by some qualified assistant, such survey or examination as will enable him to report intelligently thereon to the State Land Register.

Sec. 5. On receipt of a favorable report from the State Engineer, the State Land Register shall immediately file in the United States Land Office at Carson City, Nevada, a copy

of said report and all plans, affidavits and lists required by the regulations of the Secretary of the Interior and Commissioner of the General Land Office, with a request for the selection on behalf of the State, of the lands so applied for.

SEC. 6. Should the State Engineer report adversely upon the proposed irrigation works, either as to the water supply, the feasibility of the construction, the cost or capacity of the works, or as to the character of the lands sought to be irrigated, the State Land Register shall return to the person or persons making such proposal, the maps, plans, affidavits, and lists submitted by them, and the reasons therefor. The parties so notified shall have sixty days in which to submit a satisfactory proposal or appeal therefrom.

SUPPLEMENTAL LEGISLATION

By the Act of Congress, approved March 15, 1910, Section 4, of the Act of August 18, 1904, commonly known as the "Carey Act" was amended so as to authorize the Secretary of the Interior, upon application of a beneficiary State or Territory, to temporarily withdraw from settlement or entry public lands of the United States, pending survey and investigation preliminary to the filing of application for the segregation of such lands under the said Act of August 18, 1904.

The text of the amendatory Act is as follows:

Be it enacted by the Senate and the House of Representatives of the United States of America in Congress assembled, That to aid in carrying out the purposes of section four of the Act of August eighteenth, eighteen hundred and ninety-four entitled "An Act making appropriations for sundry civil expenses of the Government for the fiscal year ending eighteen hundred and ninety-five, and for other purposes," it shall be lawful for the Secretary of the Interior, upon application by the proper officer of any State or Territory to which said section applies, to withdraw temporarily from settlement or entry areas embracing lands for which the State or Territory proposes to make application under said section, pending the investigation and survey preliminary to the filing of the maps and plats and application for segregation by the State or Territory, *provided*, that if the State or Territory shall not present its application for segregation and maps and plats within one year after such temporary withdrawal the lands so withdrawn shall be restored to entry as though such withdrawal had not been made.

The regulations of the General Land Office made in conformity with this amendatory Act provide under Article 3, as follows:

To obtain the benefits of this amendatory Act, the State or Territory, through its proper official, shall be required to file in the local land office in the land district within which the lands sought to be withdrawn lie, an application therefor (see appended Form B), which shall set forth the name of the individual, or corporation proposing to reclaim the lands; that all of the forms and conditions imposed by the State law upon

such proposer prior to segregation have been complied with; that from the showing made by the proposer (or state other source of information) it is believed that sufficient water to irrigate the whole of the lands asked to be withdrawn, over and above prior appropriations, is available; and that the proposer has either acquired title to such water or applied for the same, and that the lands are desert in character.

The "Form B" referred to is as follows:

Form B

STATE OF.....
UNITED STATES LAND OFFICE
....., 19...

....., the duly authorized agent of the State (or Territory) of....., under and by virtue of an Act of Congress approved August 18, 1894 (28 Stat. 372-422), and the Acts amendatory thereof, and in pursuance of the rules and regulations prescribed by the Secretary of the Interior, hereby makes and files the following list of desert public lands which the State (or Territory) is authorized to select under the provisions of the said Acts of Congress, as an application for the temporary withdrawal of such lands under the provisions of the amendatory Act of March 15, 1910 (public. 87), preliminary to the survey and investigation thereof, with a view to their selection under said Act of August 18, 1894, and I hereby certify that this application is made at the instance of..... who (which) has filed with the State Land Board (or other proper official or body) a proposition to reclaim such lands included in said list as may be found susceptible of irrigation and reclamation; that said proposer has complied with all of the forms and conditions imposed by the laws of the State (or Territory) of..... upon such proposer prior to segregation; that from the showing made by him (or it), and from other data at my command, I verily believe that sufficient water to irrigate the whole of the lands withdrawn, over and above prior appropriations, is available and that the proposer has acquired title to such water (or applied for or appropriated such water, as the case may be), and that the lands are desert in character. (If the lands are unsurveyed, state the fact, and that application for the survey thereof has been made by the State or Territory to the Surveyor General.)

In conformity with the foregoing amendatory Act of Congress, the State Land Register adopted certain regulations entailing action by the State Engineer as follows:

5. The application shall also be accompanied by written report, in duplicate, to the State Land Register, made by the State Engineer or an assistant, stating whether or not the proposed project is feasible; whether there is sufficient unappropriated water in the source of supply, and whether or not the

proposer has acquired title to the water, or applied for a permit to use the same, or whether or not a permit to divert and appropriate the water has been approved by him; whether the capacity of the proposed irrigation works is adequate to reclaim the land described; whether or not the lands proposed to be irrigated are desert in character and such as may be properly set apart under the provisions of the aforesaid Acts of Congress, and the rules and regulations of the Department of the Interior.

6. The foregoing report of the State Engineer must be full and complete, for upon that report and the statement of the applicant is based the certificate of the State Land Register as to the availability of sufficient water to irrigate the land desired to be withdrawn, in his application under the provisions of the amendatory Act of Congress approved March 15, 1910.

In compliance with all of the foregoing, the State Engineer has examined a number of projects initiated under the Carey Act, and has made reports to the State Land Register. A list of the projects so examined follows:

State List No. 1—Application filed November 8, 1901, by Chas. E. Pearson, Charlston, Elko County, Nevada, for the segregation of 160 acres of land in T. 43 N, R. 57 E, to be irrigated with the water of the Bruneau River. This project was examined on September 11, 1909, by Assistant Engineer J. R. Van Nagell who reported favorably on the water supply and feasibility of the project.

This application was rejected by the General Land Office on the grounds that the acreage applied for was too small to bring it within the intent of the Carey Act.

State List No. 3—Application filed June 30, 1902, by Watson E. Griffin and Claude R. Ford for the segregation of 320 acres of land in T. 16 N, R. 53 E, Eureka County, to be reclaimed with the waters of Fish Creek. This project was examined by Assistant Engineer J. R. Van Nagell, on September 8, 1909, and reported favorably to the State Land Register.

This application was rejected by the General Land Office on the grounds that the acreage applied for was not sufficiently great to permit of its segregation under the Carey Act.

State List No. 6—Application filed April, 1903, by L. L. Bradley, May H. Bradley and Wm. H. Gilmore of Deeth, Nevada, for the segregation of 364.58 acres in Ts. 40 and 44 N, R. 61 E, in Elko County to be reclaimed by the waters of Taber Creek and Camp Creek. Assistant Engineer J. R. Van Nagell examined this project on September 14, 1909, and reported favorably to the State Land Register.

The application was rejected by the General Land Office on the ground that the project was for the segregation of two separate parcels of land, either or both of which being too small to come under the provisions of the Carey Act.

State List No. 8—Application filed with the State Land Register on November 6, 1908, by the Nevada-Utah Irrigation Development Co., for the segregation of 23,694.16 acres of land in T. 14 S, R. 65 E. and

in Ts. 13 and 14 S, R. 66 E. in Clark County (then Lincoln County), to be reclaimed with the waters of Pahranaagat Lake, Mainard Lake and Arrowhead Canyon. A report on this project was made by Mr. Nicholas of which there is no record in this office, followed by a supplemental report filed with the State Land Register on January 26, 1910, in which he estimated the water supply available at 10,000 acre-feet.

This application was finally rejected by the General Land Office on the grounds of insufficient water supply and the general unfeasibility of the project.

State List No. 9—Application filed by the State Land Register for the Pacific Reclamation Company, of Wells, Nevada, on October 21, 1909, for the segregation of 20,706.97 acres in Ts. 38 and 39 N, R. 60 E, and Ts. 38 and 39 N, R. 61 E, and T. 39 N, R. 62 E, in Elko County, Nevada, to be reclaimed with the waters of Bishop Creek, Trout Creek and Burnt Creek. Relinquishments aggregating 10,460.95 acres were made under this application on May 28, 1910, and the application was approved for 10,246.02 acres by the Department of the Interior on May 28, 1910, following a report on water supply and feasibility submitted August 3, 1909, by Mr. Nicholas.

The Pacific Reclamation Company is proceeding with the construction of an earth and concrete dam and necessary canals and laterals, the plans and specifications of which have been examined and approved by this office.

State List No. 10—Application filed November 16, 1909, by the State Land Register for the Las Vegas Irrigated Fruit Lands Company of Las Vegas, Nevada, for the segregation of 8,857.43 acres in Ts. 21 and 22 S, R. 61 E, and T. 21 S, R. 62 E, Clark County, to be reclaimed with the water from artesian wells which it was proposed to drive at various points on the tract.

A favorable report was submitted by Mr. Nicholas to the State Land Register on November 11, 1909, the State Engineer basing his opinion that water for the major portion of the tract could be developed on the fact that fourteen wells to the north and south thereof were inspected by him, these proven wells being in an apparently similar geological formation to that underlying the lands applied for.

This application was held for rejection and the Register and Receiver of the U. S. Land Office at Carson City were so advised, under date of April 25, 1909, by a letter from the Assistant Commissioner of the General Land Office, extracts from which letter are of sufficient interest from the irrigation development standpoint to warrant their reproduction here. Quoting the Assistant Commissioner:

"The object of the Carey Act is not to interfere with the existing laws of the United States, affecting the disposal of land to individuals."

"The obvious intent of the Carey Act was to segregate to the States large tracts of desert land which could not, because of the magnitude of the undertaking, be successfully irrigated by individual effort. Nor would it seem to be good administrative policy to allow the Carey Act to encroach upon the province of the homestead and desert land Acts."

"The Government would thus lose the payment required by the latter Act, and the entryman would not be required to make the expenditure and cultivation required by the desert land Act."

"Nowhere does it appear from the record that the reclamation of

these tracts could not be effected through desert land or homestead entry."

"The State Engineer submits a plat showing the wells in the vicinity; from this it appears that flowing wells are struck at a mean depth of about 200 feet; the best well is at 325 feet."

"Upon the face of the record, it would seem that the water was within the reach of the ordinary farmer, and that the land could be reclaimed much more expeditiously under the homestead or desert land Acts."

"In practical effect, reclamation without recourse to the Carey Act would be more profitable, both to the Government and the ultimate purchasers; the Government would secure the payment of \$1.25 an acre, while the purchaser would be spared the promoter's profit."

An appeal was taken by the State from the decision of the General Land Office and final action is still pending.

State List No. 11—Application filed February 23, 1910, by the State Land Register for Las Vegas Farming Lands Company for the segregation of 7,523.48 acres in T. 22 S. Rs. 60 and 61 E, Clark County, to be reclaimed with the water of artesian wells.

Mr. F. R. Nicholas reported favorably on this project on February 28, 1910, but the application is still awaiting action by the General Land Office.

State List No. 12—Application filed February 23, 1910, by the State Land Register for Chas. S. Wilkes of Goldfield, Nevada, for the segregation of 2,404.96 acres in Ts. 21 and 22 S. R. 61 E, Clark County, to be reclaimed with the water of artesian wells.

Mr. Nicholas submitted a favorable report on this subject on February 28, 1910, but the application is in the same standing before the General Land Office as those previously mentioned which depend for water supply on shallow artesian wells.

State List No. 13—Application filed February 28, 1910, by the State Land Register for Las Vegas Irrigated Lands Company of Goldfield, Nevada, for the segregation of 6,800 acres in T. 22 N. R. 61 E, Clark County, to be reclaimed with the waters of artesian wells.

Mr. Nicholas reported favorably and the action of the General Land Office is still pending.

State List No. 14—Application filed March 8, 1910, by the State Land Register for Amargosa Land and Irrigation Company of Goldfield, Nevada, for the segregation of 17,705.14 acres in T. 17 S. R. 49 E. and T. 16 S. R. 50 E, Nye County, to be reclaimed with the waters of springs, artesian wells and the subterranean flow of the Amargosa River.

A favorable report was submitted by Mr. Nicholas on March 2, 1910, and the application was approved by the Department of the Interior.

Preliminary work is in progress on this project.

State Lists Nos. 15-16—Application was filed March 15, 1910, by the State Land Register for Vegas Valley Land Company for the segregation of 6,717.52 acres in T. 21 S. R. 60 E. and T. 22 S. R. 61 E, Clark County, to be reclaimed with the water of artesian wells.

Mr. Nicholas, on March 2, 1910, reported favorably, but the application is still held pending the action of the General Land Office

State List No. 17—Application filed June 22, 1910 for Pahrump Valley Land and Water Company by the State Land Register for the withdrawal for one year of approximately 13,440 acres in unsurveyed T. 21 S. R. 53 E, Nye County, to be reclaimed with the waters of artesian wells and subterranean flows.

Mr. Nicholas submitted a favorable report on March 2, 1910, and the land has been withdrawn for the one-year period from the date of the application

State List No. 18—Application was made on June 30, 1910, by the State Land Register for E. C. McClellan and W. T. Smith of Elko, for the temporary withdrawal of 38,022.29 acres in Ts. 38, 39 and 40 N. R. 68 E; Ts. 38, 39, 40 and 41 N. R. 69 E, and Ts. 39 and 40 N. R. 70 E, lying in the Tecoma Valley, Elko County, to be reclaimed with the waters of Thousand Springs Creek and tributaries.

An examination of the project was made by the State Engineer on June 11 and 12, 1910, and a report recommending the temporary withdrawal of the land pending a systematic investigation of the water supply and other features on which the feasibility of the project is dependent, by the applicants under the direction of the State Engineer.

The General Land office has approved the application and the applicants subsequently filed relinquishment of 10,044.17 acres.

State List No. 19—Application filed October 7, 1910, by the State Land Register for Ellison Ranching Company of Salt Lake City, Utah, for the temporary withdrawal of 50,184.16 acres of desert land lying in the Quinn River Valley, Humboldt County, to be reclaimed with the waters of the Quinn River and tributaries.

A general reconnoissance of the project was made by the State Engineer during July, 1910, and a report submitted, recommending the withdrawal of the lands pending the result of investigations to be made by the applicant under the direction of the State Engineer upon which he could base a definite report to precede the application for final segregation of whatever area the water supply might be estimated as adequate for.

The applicant is proceeding with investigations necessary.

State List No. 20—Application was made on October 4, 1910, by the State Land Register for DeWitt C. Turner, of Reno, Nevada, for the temporary withdrawal of 6,230.50 acres situated in T. 23 N, and 24 N. R. 18 E, in Washoe County, to be reclaimed with the waters of Red Rock Creek supplemented by waters from wells on the tract.

An examination of the premises was made in September, 1910, by Assistant Engineer J. R. Van Nagell, and a report submitted by the State Engineer recommended that the application be made for the temporary withdrawal of the lands pending an investigation of the water supply available.

State List No. 21—Application was made on December 21, 1910, by the State Land Register for the Lovelock Land and Development Company and the Humboldt-Lovelock Irrigation, Light and Power Company, Inc., for the withdrawal of 10,175.91 acres of desert lands situated in Lovelock Valley, Humboldt County, Nevada.

A report favorable to the application was submitted by the State Engineer on December 29, 1910.

State List No. 22—Application was made on December 30, 1910, by

the State Land Register for the Western Development Company of McGill, Nevada, for the withdrawal of 4,956.42 acres of desert lands situated in Railroad Valley, Nye County, Nevada, to be reclaimed with the waters of Duckwater and Currant and Bull Creeks.

An investigation was made on the premises by the State Engineer during October, 1910, and a favorable report submitted on December 30, 1910, to the State Land Register.

The amendatory Act of March 15, 1910, has served to simplify the work of this department in connection with projects under the Carey Act. The policy of this office has been to recommend any application for temporary withdrawal where it appears at all probable that a sufficient water supply is available, but in every case the applicant is advised that no report recommending the segregation of the lands at the end of the one-year period will be made by this office unless the applicant, under the direction of the State Engineer, proceeds during the period of temporary withdrawal as diligently as possible to procure all the essential data which it is possible to obtain, and upon which a definite recommendation could be based by this office.

A number of applicants are now conducting stream measurements, surveys and other determinations on their projects, and are making reports to the State Engineer which are checked from time to time in the field.

It is recommended that the Act, which should be made at the coming Legislature in accordance with the amendatory Act of Congress, approved March 15, 1910, contain a section prescribing that the applicant shall be required to pay for all determinations made on the ground by the State Engineer, or his assistants, and giving the State Engineer power to spend whatever length of time appears necessary to him on any project.

The Carey Act in this, as in other States, has been the means of creating a sort of irrigation "wild-catting," to borrow a coined word from the mining vocabulary, extravagant claims being made by promoters which are calculated to deceive and, invariably do, work injury, not only to the investing public, but to legitimate irrigation development.

Since the State acts as the agent for the promoter in each case, the application for the segregation of lands under the Carey Act by the State Land Register should be supported by a full and precise compilation of data regarding the water supply, and the State Engineer, or some properly constituted board should be the judge of the amount of data which is required and which should be procured at the expense of the applicant.

APPLICATIONS FOR PERMIT TO APPROPRIATE WATER

During the period covered in this report 683 applications have been filed. On December 31, 1908, the date of the Third Biennial Report, there must have been awaiting action in this office 371 applications. During 1909 and 1910, 405 applications have been approved, 39 applications were denied, 141 applications were canceled, 18 applications were withdrawn, and on December 31, 1910, 451 applications remain without action.

Of the applications unacted upon, 90 have not gone through publica-

tion and time of protest: approximately 50 are subsequent to applications which have been approved for waters of the same source and cannot be acted upon until the appropriations made by prior permits are either perfected or forfeited; 15 are held without action, pending the settlement of litigation on the sources applied for; approximately 50 are for the waters of sources which are being studied by the office with a view to determining the extent of prior rights, while of the remaining 246 applications, approximately 150 have been inspected and the action of the office has been delayed owing to lack of clerical help, which condition will be relieved shortly after the first of the year.

It will be noted from the foregoing that the office has practically kept abreast of the work for the past two years; for taking into account the applications brought forward from the last report, makes the total number of applications acted upon 80 less than the number filed, while more than this number are ready for approval, having been inspected.

The following tabulations give details of all applications filed to date in this office:

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS

Serial	Date of filing	Name of applicant	Source	Purpose	Action on application	Action on permit
1	5 12 05	A. C. Pratt	East Fork Carson River	Power	App 7 18 05	Can 7 18 05
2	5 25 05	H. F. Dangberg	East Fork Carson River	Irrigation	App 10 10 05	Can 10 10 05
3	5 29 05	H. C. Dangberg	East Fork Carson River	Irrigation	App 10 15 05	Can 10 15 05
4	6 20 05	Reno Power, Light and Water Co.	Truckee River	Milling	App 10 21 05	Can 10 21 05
5	7 17 05	P. L. Griffin and Clay Tallman	Amargosa River	Milling	App 10 21 05	Can 10 21 05
6	7 17 05	James G. Chown and W. A. Gates	Stephens Creek	Power and mining	App 6 26 05	Can 6 26 05
7	2 14 06	J. A. Feeler	Truckee River	Power	App 11 18 05	Can 11 18 05
8	7 31 06	W. D. Arnet and Co.	Truckee River	Power	App 11 15 05	Can 11 15 05
9	8 7 06	U. M. Slater and P. L. Flanagan	Truckee River	Power	Den 7 1 06	Can 5 14 06
10	8 19 06	George Wetherby	Cat Creek	Power	App 11 13 05	Can 11 13 05
11	8 29 05	W. D. Arnette and Co.	Truckee River	Mechanical, domestic	App 11 13 05	Can 11 13 05
12	9 1 05	Gilbert, Briggs	Springs near Marietta	Power	App 11 17 05	Can 11 17 05
13	9 12 05	Philip Mignels and Frank Wildes	Ash Canyon Creek	Power	App 8 24 05	Can 8 24 05
14	9 13 05	Wm. Enger, Carl R. Smith, Estelle Collier	Silver Bow Creek	Power	App 8 24 05	Can 8 24 05
15	9 13 05	Alvira Evans and Henry J. Pratt	Truckee River	Irrigation	App 8 24 05	Can 8 24 05
16	9 23 05	John G. Taylor	Chino Creek	Irrigation	App 8 24 05	Can 8 24 05
17	9 26 05	John G. Taylor	Chino Creek	Irrigation	App 8 24 05	Can 8 24 05
18	9 26 05	John G. Taylor	Chino Creek	Irrigation	App 8 24 05	Can 8 24 05
19	10 1 05	W. T. Jenkins Co.	Rock Creek	Irrigation	App 8 24 05	Can 8 24 05
20	10 31 05	P. L. Griffin	Warm Springs	Irrigation	App 8 24 05	Can 8 24 05
21	11 3 05	Ely Bath and Steam Laundry Co.	Rye Patch Creek	Irrigation	App 8 24 05	Can 8 24 05
22	11 7 05	Fred. L. Berry	Springs	Irrigation	App 8 24 05	Can 8 24 05
23	11 14 05	Robert L. Harper	Wells, Amargosa River	Irrigation	App 8 24 05	Can 8 24 05
24	11 20 05	W. D. Lawton	Underground Waters	Irrigation	App 8 24 05	Can 8 24 05
25	11 28 05	Goldyke Reef Mining Co.	Cottonwood Canyon	Irrigation	App 8 24 05	Can 8 24 05
26	11 28 05	Goldyke Reef Mining Co.	Underground Waters	Irrigation	App 8 24 05	Can 8 24 05
27	12 20 05	Chas. L. Hyde, Wm. L. Hyde, K. P. Allred	Springs	Irrigation	App 8 24 05	Can 8 24 05
28	12 23 05	Carrie Mack Mining Co.	Truckee River	Irrigation	App 8 24 05	Can 8 24 05
29	12 26 05	Thos. Hill, T. K. Hofer and F. J. Wildes	Muddy River	Irrigation	App 8 24 05	Can 8 24 05
30	12 28 05	John P. Atwill	Manhattan Canyon	Irrigation	App 8 24 05	Can 8 24 05
31	12 29 05	Nevada Land and Livestock Co.	Peavine Creek	Irrigation	App 8 24 05	Can 8 24 05
32	1 9 06	Manhattan Dexter Mining Company	Cortez Spring	Irrigation	App 8 24 05	Can 8 24 05
33	1 9 06	Humboldt Gates	Murry Creek	Irrigation	App 8 24 05	Can 8 24 05
34	1 11 06	Jos. P. Martin and Eugene Wacker	Upper Indian Springs	Irrigation	App 8 24 05	Can 8 24 05
35	1 22 06	Nevada Con. Coppert Co.	Yln Rob Spring	Irrigation	App 8 24 05	Can 8 24 05
36	1 15 06	J. J. Fagan	Pole Creek	Irrigation	App 8 24 05	Can 8 24 05
37	1 26 06	T. S. Platts and G. W. Walters			App 8 24 05	Can 8 24 05
38	1 26 06	T. S. Platts and G. W. Walters			App 8 24 05	Can 8 24 05

REPORT OF STATE ENGINEER

39	1 29 06	C. W. Clapp	Galena Creek	Mining and power	App 11 10 05	Can 11 10 05
40	1 29 06	Henry Anderson, Harry P. and P. S. Jansen	Spring	Mining and milling	App 6 26 05	Can 6 26 05
41	2 8 06	G. B. Smith	Bald Mountain Spring	Mining and milling	App 5 28 05	Can 5 28 05
42	2 8 06	E. P. and S. A. Walker	Bull Run Creek	Mining and milling	App 5 2 05	Can 5 2 05
43	2 13 06	D. P. Hargis	Spring	Mining and milling	App 6 6 05	Can 6 6 05
44	2 17 06	Tonopah Extension Co.	Twin River	Power, mining, milling	Den 6 26 05	Can 6 26 05
45	2 14 06	E. D. Morton	Cleveland Creek	Power	Den 6 27 05	Can 6 27 05
46	2 15 06	A. R. Bigler	Springs	Mining and milling	Den 5 3 07	Can 5 3 07
47	2 17 06	Tonopah Extension Co.	Twin River	Power, mining, etc.	Den 8 1 06	Can 8 1 06
48	2 23 06	Martinez Power and Light Co.	East Walker River	Light, power, etc.	App 7 7 05	Can 7 7 05
49	2 26 06	W. G. Douglass	Ophir Creek	Power	Can	Can 8 22 05
50	3 6 06	Bert Kopenhaver	Spring	Mining, milling, etc.	App	Can 8 22 05
51	3 6 06	Geo. L. Jordan	Spring	Domestic	Can	Can 8 22 05
52	3 9 06	Fred J. Stoer	Wuddy River	Irrigation and mining	App 5 3 07	Can 5 3 07
53	3 9 06	Key Pittman and J. R. Martin	Twin River	Power	App 7 30 05	Can 7 30 05
54	3 22 06	Key Pittman and J. R. Martin	Park Canyon Creek	Milling and domestic	App 7 10 05	Can 7 10 05
55	3 22 06	Key Pittman and J. R. Martin	Springs	Milling and domestic	App 7 10 05	Can 7 10 05
56	3 22 06	C. S. Capp	Antelope Spring	Milling and domestic	App 8 7 05	Can 8 7 05
57	3 24 06	C. A. Norcross	Red Spring	Mining, etc.	Can	Can 2 10 08
58	3 26 06	Mrs. J. W. Fapp	Springs	Irrigation	App 8 1 05	Can 8 1 05
59	3 26 06	Wm. G. McGill	Duck Creek	Power	Wdn 5 2 05	Can 5 2 05
60	3 29 06	J. W. Adams	Duck Creek	Power	Wdn 5 2 05	Can 5 2 05
61	3 29 06	Bullfrog W. L. and P. Co.	Shoshone River	Mining and milling	App 8 7 05	Can 8 7 05
62	3 31 06	Edta Hoffman and William Snyder	Jeff Canyon	Mining and milling	App 8 22 05	Can 8 22 05
63	4 2 06	Tonopah Exploration Co.	Shipley Canyon	Power and milling	App 9 11 05	Can 9 11 05
64	4 2 06	Tonopah Exploration Co.	Duck Creek	Power and milling	App 7 10 05	Can 7 10 05
65	4 3 06	Cumberland Ely Copper Co.	Spring	Mining and milling	App 8 22 05	Can 8 22 05
66	4 3 06	Cumberland Ely Copper Co.	Berry and Duck Creeks	Mining and milling	App 8 22 05	Can 8 22 05
67	4 3 06	Cumberland Ely Copper Co.	Murry Creek	Mining and milling	App 8 22 05	Can 8 22 05
68	4 3 06	Nevada Consolidated Copper Co.	Foots	Mining and milling	App 8 22 05	Can 8 22 05
69	4 3 06	Cumberland Ely Copper Co.	Stephens Creek	Mining and milling	App 8 22 05	Can 8 22 05
70	4 3 06	A. G. Corbett	Timber Creek	Mining and milling	App 8 22 05	Can 8 22 05
71	4 3 06	Cumberland Ely Copper Co.	Henry Creek	Mining and milling	App 8 22 05	Can 8 22 05
72	4 3 06	Cumberland Ely Copper Co.	Cleveland Creek	Power	App 8 22 05	Can 8 22 05
73	4 3 06	Mrs. A. C. Cleveland	Spring	Mining and milling	App 8 22 05	Can 8 22 05
74	4 3 06	Cumberland Ely Copper Co.	East Gate Creek	Mining and milling	App 8 22 05	Can 8 22 05
75	4 4 06	George Williams and Bert Smith	Twin River	Mining and milling	App 8 1 05	Can 8 1 05
76	4 4 06	Tonopah Exploration Co.	Middle West and East Gate	Mining and milling	App 8 1 05	Can 8 1 05
77	4 5 06	W. W. Williams	Jefferson Canyon	Mining and milling	App 8 22 05	Can 8 22 05
78	4 6 06	J. P. Fitting and J. G. Musser	Stephens Creek	Mining and milling	App 8 22 05	Can 8 22 05
79	4 7 06	Jas. R. Thompson	Springs	Mining and milling	Can	Can 4 8 08
80	4 11 06	Jas. R. Thompson	Humboldt River	Irrigation	App 9 28 07	Can 9 28 07
81	4 15 06	A. R. Bigler	Pablo Canyon	Power, etc.	App 7 10 05	Can 7 10 05
82	4 15 06	Wm. Hunter				Can 9 17 10
83	4 15 06	Key Pittman and J. R. Martin				Can 9 17 10

REPORT OF STATE ENGINEER

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
84	4 17 06	E. D. Morton	Kalamazoo Creek	Power, etc.	Can	
85	4 17 06	Cirac Mining Co.	Black Springs	Mining and milling	Can	
86	4 19 06	W. S. Kelleit and D. H. Robbe	Indian Garden Spring	Mining and domestic	Can	
87	4 26 06	W. O. Temple	Willow Creek	Power, etc.	App 11 21 06	C
88	4 26 06	Fred J. Stoer	Muddy River	Irrigation	App 7 11 07	Wdn 10 20 06
89	4 28 06	W. N. McMill	Water Canyon	Irrigation	App 10 12 06	Can 5 29 08
90	4 30 06	J. P. Martin	Springs	Quarrying	App 6 27 06	Cer 4 2 08
91	5 7 06	Walter P. Jenney	Springs	Mining and milling	App 12 29 06	Can 9 19 10
92	5 7 06	Walter P. Jenney	Springs	Mining and milling	App 12 29 06	C
93	5 9 06	J. A. Foster	Springs	Domestic	App 3 1 07	Can 9 19 10
94	5 9 06	Manuel Mining Co.	Wild Cat and Clay Gulches	Mining, milling, etc.	App 7 30 06	Can 9 19 10
95	5 10 06	W. B. Adams	Spring	Mining, milling, etc.	Can	
96	5 17 06	Lamba and Hickey	McCoy Creek	Power	App 8 1 06	Can 9 19 10
97	5 20 06	Mrs. A. C. Cleveland	Bassett Creek	Power	App 8 1 06	Can 9 19 10
98	5 20 06	Alfred Leater, et al.	Springs	Mining and dom.	App 8 27 06	
99	5 24 06	John A. Flinn	Water Canyon Creek	Mining and milling	Wdn 8 14 06	
100	5 25 06	Wm. L. Irvin, et al.	Water Canyon Creek	Mining and milling	Den 8 1 06	
101	5 25 06	Wm. L. Irvin, et al.	Water Canyon Creek	Mining, power, etc.	App 8 22 06	Can 9 19 10
102	5 26 06	P. H. Hebb	Barrel Spring	Mining, milling, etc.	App 11 1 06	Can 7 21 10
103	5 26 06	James P. Gaskell	Steploe Creek	Power and mining	Den 6 26 06	
104	5 27 06	Irving Peterson	Baker Bow Creek	Mining and milling	Can 6 18 07	
105	5 31 06	Wm. T. Ormstead, et al.	Baker Creek	Mining and milling	App 10 30 06	Can 7 14 08
106	5 31 06	P. M. Baker	Spring	Mining and milling	App 8 22 06	Cer 12 16 09
107	6 1 06	E. L. Wildes	Carson River	Power	Wdn 8 7 06	
108	6 1 06	R. L. Douglas	Horse Creek	Power	App 11 1 06	Can 9 19 10
109	6 3 06	J. K. Judd	Eldorado Canyon Creek	Irrigation	App 9 1 06	Can 4 27 10
110	6 4 06	J. K. Judd	Antelope Canyon Creek	Irrigation	App 9 1 06	Can 4 27 10
111	6 4 06	John E. Hayes	Black Canyon	Irrigation	App 9 1 06	Can 4 27 10
112	6 4 06	C. L. Taylor, et al.	Salmon River	Irrigation and power	App 9 11 06	Can
113	6 5 06	J. W. Freeman	Coal Canyon	Mining and milling	Wdn 12 17 06	
114	6 6 06	Lea Allen	Spring	Stock and dom.	Den	
115	6 6 06	Jos. Urquhart	Indian Canyon	Mining and milling	Den	
116	6 6 06	Jos. Urquhart	Mission Canyon	Mining and milling	App 1 22 07	Can 4 27 10
117	6 9 06	Jos. Urquhart		Mining and milling	App 1 22 07	Can 4 27 10
118	6 9 06	Jos. Urquhart		Mining and milling	App 1 22 07	Can 4 27 10
119	6 9 06	Jos. Urquhart		Mining and milling	App 1 22 07	Can 4 27 10
120	6 9 06	Jos. Urquhart		Mining and milling	App 1 22 07	Can 4 27 10
121	6 9 06	Jos. Urquhart		Mining and milling	App 1 22 07	Can 4 27 10

REPORT OF STATE ENGINEER

122	6 9 06	Jos. Urquhart	Wall Canyon	Mining and milling	App 1 22 07	Can 4 27 10
123	6 9 06	John Melvin	Hot Springs	Irrigation	App 10 4 06	Can 4 2 08
124	6 14 06	J. J. Wilson	Reynolds Creek	Irrigation	App 5 6 06	Cer 7 30 06
125	6 15 06	J. A. Moore, et al.	Willow Creek	Mining and milling	Can 5 11 08	
126	6 16 06	Taylor Strimous, et al.	Sage Hen Creek	Mining and power	App 12 1 06	Can 9 19 10
127	6 18 06	J. A. Carr, et al.	Shoshone	Mih., mill, and dom.	Can 3 7 06	
128	6 18 06	J. P. Fitting	Jefferson Canyon	Min., mill, and dom.	Can 9 11 06	
129	6 21 06	John E. Hayes	Goose Creek	Irrigation	App 10 12 06	Wdn
130	6 22 06	John McAllister	Mariposa Canyon	Mining and milling	App 10 12 06	Can 9 19 10
131	6 22 06	C. E. Mayne	East, Middle, North Creeks	Ore reduction	App 11 1 06	F. P. 12 30 06
132	6 22 06	Cumberland Ely Copper Co.	Slaughter-House Canyon	Mining and milling	App 10 31 06	C
133	6 22 06	A. G. McAllister	Antelope Creek	Mining and milling	App 12 29 06	Can 9 19 10
134	6 23 06	J. F. Ward	Springs	Mining and milling	Can	
135	6 23 06	C. J. Ernst	Springs	Mining and milling	Can	
136	6 23 06	Eugene Locke	Wall Spring	Mining and milling	App 11 1 06	Can 5 10
137	6 25 06	A. J. Woodward, et al.	Wall Spring	Mining and milling	Can	
138	6 25 06	A. J. Woodward, et al.	Mill Creek	Mining and milling	App 12 1 06	Wdn 3 30 10
139	6 25 06	J. B. Menardi, et al.	Mill Creek	Mining and milling	App 12 1 06	Wdn 3 30 10
140	6 27 06	John S. Baggs	Twin River	Power	Den 9 10 08	
141	6 27 06	John S. Baggs	Twin River	Power	Can	
142	6 28 06	Jos. L. Groux	Springs	Mining and milling	App 11 21 06	Cer 4 7 08
143	6 30 06	J. H. E. Beekman	Egan Canyon	Mining and milling	App 10 12 06	Can 5 10
144	7 2 06	J. H. E. Beekman	Cherry Creek	Ore reduction	Can 4 10 07	Cer 3 24 09
145	7 6 06	Wm. Ashton	Prince Royal and Eagle Canyon	Transportation	App 7 20 07	
146	7 6 06	C. H. Wise	Sage Hen Creek	Mining and milling	Can	
147	7 6 06	C. H. Wise	Horse Creek	Mining and milling	Can	
148	7 7 06	Jacob Schmitt, et al.	Mica Spring	Mining and milling	Can	
149	7 7 06	Jacob Schmitt, et al.	Granite Spring	Irrigation	App 11 1 06	F. P. 8 25 10
150	7 7 06	G. B. Williams	Sault and Road Canyon	Mining and milling	Can 10 30 06	
151	7 9 06	O. T. White	Gold Springs	Mining and power	Can 10 30 06	
152	7 9 06	O. T. White	Wheeler's Well	Mining and milling	App 1 22 07	Can 4 27 10
153	7 9 06	Jos. Urquhart	Spanish Canyon	Mining and milling	App 10 4 06	Cer 2 15 08
154	7 9 06	R. L. Harper	Springs and Wisconsin Creek	Power and mining	App 12 8 06	Can 3 5 10
155	7 11 06	Joe Bruner	Opair and Wisconsin Creek	Stock	App 11 1 06	Can 9 19 10
156	7 11 06	G. B. Williams	Park Spring	Power and mining	Can	
157	7 13 06	Jefferson Consolidated Mines Co.	Thella and Big Rock Springs	Irrigation	App 7 2 07	Can 9 19 10
158	7 14 06	Mrs. L. E. Walker	Cedar Springs	Irrigation	App 11 1 06	Can 4 27 10
159	7 14 06	A. D. McLeod	Springs	Power and mining	App 10 12 06	Can 5 10
160	7 16 06	Chas. Lohman, et al.	Springs	Mining and milling	App 12 1 06	F. P. 9 19 10
161	7 19 06	G. G. Davis, et al.	Steploe Creek	Ore reduction	App 1 22 07	Can 4 8 08
162	7 19 06	J. R. Thompson	Duck Creek	Power	App 11 1 06	C
163	7 20 06	Jos. B. Taylor	Berry Creek	Power, mfg., etc.	Wdn 9 27 06	
164	7 25 06	O. C. Nelson, et al.	Berry Creek	Power, mfg., etc.	Wdn 9 27 06	
165	7 25 06	O. C. Nelson, et al.	Cherry Canyon	Ore reduction	App 5 3 07	Can 11 14 10
166	7 28 06	Orrin H. Snow	Water Canyon Creek	Ore reduction	App 5 3 07	Can 11 14 10

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
167	7 30 06	Perry J. Smith	Cold Creek	Irrigation	App 11 10 06	Cer 9 14 07
168	7 30 06	Cumberland Ely Copper Co.	Duck Creek	Power etc.	App 12 29 06	C
169	8 1 06	Elwin W. Clay	Baker Creek	Power	App 10 12 06	Can 7 14 08
170	8 2 06	C. W. L. Stevens, et al.	Stonewall Spring	Mining and mill	Den 1 15 07	
171	8 2 06	E. C. Lackner	Lehman Creek	Power	Wdn 8 30 06	
172	8 2 06	E. C. Lackner	Baker Creek	Power	Wdn 8 30 06	
173	8 2 06	O. C. Nelson, et al.	Herry Creek	Power	App 12 29 06	Can 9 20 10
174	8 2 06	S. R. Wasson	Washoe Lake	Irrigation	Den 1 15 07	
175	8 2 06	A. E. Kimball	Walker River	Power	Den 1 15 07	
176	8 6 06	E. G. Howard	Alum Creek	Mill and domestic	Can 6 18 07	
177	8 7 06	E. E. Rockwell	Spring	Domestic	Can 6 18 07	
178	8 7 06	Geo. Emerson	Dick Canyon Springs	Mining and domestic	App 10 12 06	Can 9 20 10
179	8 1 06	F. H. Hebb	Barel Spring	Mining and domestic	App 12 1 06	Can 7 21 10
180	8 10 06	S. S. Donner	Franktown Creek	Mining and power	Den 1 15 07	
181	8 11 06	S. B. Hill	Porter Springs	Mining and power	App 1 15 07	Can 11 23 08
182	8 12 06	C. H. Asbury	Walker River	Irrigation	App 12 29 06	F P 11 9 10
183	8 18 06	Cumberland Ely Copper Co.	Bird Creek	Ore reduction	App 12 29 06	C
184	8 19 06	O. C. Nelson, et al.	Timber Creek	Power	App 12 29 06	Can 9 20 10
185	8 20 06	O. C. Nelson, et al.	Bird Creek	Mining, power, etc.	Wdn 9 27 06	
186	8 20 06	E. D. Morton	Cleveland Creek	Power	App 11 28 06	Can 8 26 09
187	8 21 06	Dixon and Stebbens	Jefferson Creek	Power and mining	App 12 29 06	C
188	8 23 06	W. H. Miller	Springs	Power and mining	Den 8 22 07	
189	8 25 06	Chas. Clyde Spicer	Last Chances Creek	Power and mining	App 12 8 06	Can 5 7 10
190	8 27 06	Tramp-Con. Min. Co.	Springs	Power and mining	App 12 29 06	C ?
191	8 27 06	Tramp-Con. Min. Co.	Springs	Power and mining	App 12 29 06	C ?
192	8 28 06	W. S. Montgomery, et al.	Indian Creek	Mining and power	App 5 4 07	Can 5 3 10
193	8 28 06	E. C. Lackner	Baker Creek	Power	App 5 16 07	Wdn 2 7 08
194	8 28 06	E. C. Lackner	Lehman Creek	Power	Wdn	
195	8 29 06	Walter L. Bell	Lehman Creek	Irrigation	App 1 15 07	Wdn 4 12 10
196	8 31 06	R. M. Van Dorn	Cottonwood Creek	Power	Den 1 15 07	
197	9 1 06	E. C. Lackner	Walker River	Power	App 1 15 07	Can
198	9 1 06	E. C. Lackner	Baker Creek	Power	Den 1 15 07	
199	9 1 06	E. C. Lackner	Lehman Creek	Power	App 1 15 07	Can 7 21 10
200	9 7 06	Lone Mountain Gold Min. Co.	Springs	Mining	App 1 15 07	
201	9 7 06	Wheeler Gold Min. Co.	Wild Horse and Roodidge Spr.	Mining and milling	Den 2 7 07	
202	9 7 06	W. P. Delancy and C. J. Carr	Walker River	Power	Den 2 7 07	
203	9 10 06	Lucile L. Goodman	Walker River	Irrigation	App 12 29 06	Can 5 5 10
204	9 11 06	Fred J. Jones	Moore's Creek	Irrigation	Can	
		E. C. Lackner	Cleveland Creek	Power	App 7 11 07	Can 12 14 08

205	9 11 06	J. W. Murphy	Amargosa River	Mining and milling	App 5 3 07	Can 9 20 10
206	9 11 06	Frank Little	Surface waters	Domestic	Den 12 8 06	
207	9 17 06	J. H. G. Wolf	Indian Creek	Power	Wdn 5 29 07	
208	9 17 06	Oseola Placer Min. Co.	Lehman's Creek, E. Side Ditch	Power	App 1 28 07	Can 5 6 09
209	9 17 06	Oseola Placer Min. Co.	West Side Ditch	Power	App 1 28 07	Can 5 6 09
210	9 18 06	J. H. G. Wolf	Indian Creek	Power	Can 6 18 07	
211	9 19 06	John Yelland	Nigger Creek	Power	App 3 16 07	F P 4 13 10
212	9 24 06	James F. Byer	Spring	Irrigation	App 8 3 07	Can 9 20 10
213	9 28 06	Pat Kegan	Blue Mass Creek	Irrigation	App 8 3 07	F P 5 6 10
214	9 28 06	Peter Boal	Vegas Creek	Irrigation	Den 9 15 08	
215	9 29 06	John Robertson	Lyda Creek	Power	Can 5 23 07	
216	9 29 06	Joseph C. Tognoni	Big Warm Spring	Irrigation	App 9 15 08	
217	10 1 06	James P. Gaskill	Stepicoe Creek	Irrigation	Den 5 3 07	
218	10 1 06	J. A. Carr	Shoshone Creek	Mining and milling	App 12 29 06	Can 4 21 10
219	10 2 06	F. M. Benedict, et al.	Springs	Mining and milling	Den 1 15 07	
220	9 21 06	George R. Raymond	Spring	Mining and milling	App 2 7 07	Can 5 23 10
221	10 6 06	L. O. Ray	Spring	Mining and milling	App 1 22 07	F P 11 22 08
222	10 6 06	L. O. Ray	Spring	Mining and milling	App 1 22 07	F P 11 22 08
223	10 6 06	L. O. Ray	Spring	Mining and milling	App 1 22 07	F P 11 22 08
224	10 11 06	W. J. Carothers, et al.	Water Canyon Creek	Mining and milling	Den 1 15 07	
225	10 11 06	W. J. Carothers, et al.	Springs	Mining and milling	App 3 19 07	Can 3 26 10
226	10 13 06	Chas. J. Kuchel	Upper Reese River	Milling and domestic	Can 9 15 08	
227	10 13 06	Chas. J. Kuchel	Spring River	Milling and domestic	App 4 9 07	Can 1 27 09
228	10 15 06	Albert G. Smith	First, Second and Third Crks.	Milling and domestic	App 1 16 08	Can 9 20 10
229	10 16 06	Wm. D. Campbell, et al.	Spring	Ore concentration	App 8 19 07	Cer 4 10 08
230	10 16 06	Lewis MacLachlan	Lyron Spring	Power	Can 5 23 07	C
231	10 17 06	W. O. Temple	Water Canyon	Mining	Can 5 23 07	
232	10 17 06	W. O. Temple	Springs	Mining	Can 5 23 07	
233	10 17 06	W. O. Temple	Springs	Mining	App 3 19 07	C
234	10 17 06	Frank Clark	Springs	Irrigation	Den 3 19 07	
235	10 18 06	S. R. Hill	Stone House Springs	Domestic and mining	Can 9 15 08	
236	10 18 06	Joseph Hill	Springs	Domestic and mining	Can 9 15 08	
237	10 18 06	Carl Wheeler	Springs	Domestic and mining	Can	
238	10 18 06	F. W. Benedict, et al.	La Beau Creek	Mining and milling	Can	
239	10 20 06	T. H. Miller	Cat Creek	Mining and milling	Can 6 18 07	
240	10 22 06	Burr Welsh	Springs	Irrigation and mining	App 6 26 07	Can 3 26 10
241	10 22 06	Ambrose Shakespear	Springs	Irrigation and mining	Den 8 22 07	
242	10 26 06	W. P. Pearson	Big Cottonwood Creek	Irrigation and mining	App 3 1 07	Can 5 3 10
243	10 29 06	R. A. Falkenberg, et al.	Dutchman Creek	Irrigation and mining	App 3 1 07	Can 9 20 10
244	10 29 06	A. J. Newman, et al.	Dutchman Creek	Power	Can 6 18 07	
245	10 29 06	A. J. Newman, et al.	Rose Creek	Power	Can 6 18 07	
246	10 29 06	A. H. Mayne	Dutchman Creek	Mining and domestic	Can 6 18 07	
247	10 29 06	A. P. Hartley, et al.	Dutchman Creek	Mining and domestic	Can 5 23 07	
248	10 29 06	A. J. Newman, et al.	Cottonwood Creek	Power	Can 6 18 07	
249	10 29 06	Asa Bishop	Cottonwood Creek	Mining and domestic	Can	

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
250	10 29 06	W. H. Shockley, et al.	Cottonwood Creek	Power	Can 6 18 07	
251	10 29 06	Wm. H. Smith	Dutchman Creek	Power and mining	Can 5 23 07	
252	10 29 06	A. H. Mayne	Cat Creek	Power and mining	Can 6 18 07	
253	10 29 06	A. H. Mayne	Cottonwood Creek	Power and mining	Can 6 18 07	
254	10 29 06	W. G. Douglas	Dutchman Creek	Mining and milling	App 8 3 07	Can 9 20 10
255	10 29 06	A. H. Mayne	Walker River	Mining and domestic	Can 6 18 07	
256	10 29 06	W. E. M. Stewart	Big Cottonwood Creek	Mining and power	Can 5 23 07	
257	10 29 06	Geo. S. Green	Rose Creek	Mining and milling	Can 6 18 07	
258	10 29 06	A. P. Hartley, et al.	Rose Creek	Mining and milling	Can 5 23 07	
259	10 30 06	J. C. Campbell, et al.	Cat Creek	Mining and milling	Can 6 18 07	
260	10 30 06	J. C. Campbell, et al.	Dutchman Creek	Mining and milling	Can 6 18 07	
261	10 30 06	Warren Richardson	Dutchman Creek	Mining and milling	Can 6 18 07	
262	10 30 06	R. C. Moore	Willow Creek	Domestic and mining	Can 9 15 08	
263	10 30 06	Wm. Ashton	Cat Creek	Mining and milling	App 5 3 07	Can 9 20 10
264	10 31 06	F. B. Cochran, et al.	Spring	Railroad	Can	
265	10 31 06	A. P. Hartley, et al.	Rose Creek	Mining and milling	Can 9 15 08	
266	10 31 06	A. P. Hartley, et al.	Dutchman Creek	Mining and milling	Can 9 15 08	
267	10 31 06	Thos. Wilson	Cat Creek	Mining and milling	Can 9 15 08	
268	10 31 06	Butte and Ely Copper Company	Water Canyon Creek	Mining and power	Can	
269	11 3 06	A. L. Lidwell	Springs	Mining and power	App 3 4 07	Cer 4 2 08
270	11 3 06	A. L. Lidwell	Springs	Mining and milling	App 3 4 07	Cer 4 2 08
271	11 3 06	Andrew Bah	Cat Creek	Mining and milling	App 4 9 07	Can 11 10 08
272	11 5 06	Chas. J. Kuchel	Upper Reese River	Mining and milling	Can 1 24 07	
273	11 5 06	Chas. J. Kuchel	Cat Creek	Mining and milling	App 4 9 07	Can 1 27 09
274	11 6 06	R. A. Falkenberg, et al.	Upper Reese River	Mining and milling	App 3 1 07	Can 9 20 10
275	11 8 06	Frank Caldwell, et al.	Cottonwood Creek	Power	Wdn 16 07	
276	11 8 06	H. C. Abbot	East Walker River	Mining and milling	App 1 16 07	Can 7 21 10
277	11 12 06	A. P. Hartley, et al.	Spring	Mining and milling	Can 9 15 08	
278	11 12 06	L. A. J. Green, et al.	Spring Willow Canyon	Mining and milling	App 5 4 07	Can 9 20 10
279	11 12 06	L. A. J. Green, et al.	Spring	Mining and milling	App 5 4 07	Can 9 20 10
280	11 12 06	Frank Clark, et al.	Spring	Mining and milling	Den 3 19 07	
281	11 15 06	H. S. Abbot	East Walker River	Irrigation	App 1 16 07	Can 9 21 10
282	11 17 06	Johnnie Consolidated Mining Company	Willow Springs	Mining and milling	App 2 7 07	Can 9 21 10
283	11 17 06	Johnnie Consolidated Mining Company	Springs	Mining and milling	App 2 7 07	Cer 9 14 07
284	11 17 06	Johnnie Consolidated Mining Company	Springs	Mining and milling	App 2 7 07	Cer 9 14 07
285	11 19 06	Theodore A. Johnson	Springs	Mining and milling	App 2 7 07	C
286	11 19 06	Theodore A. Johnson	Springs	Mining and milling	App 2 7 07	C
287	11 19 06	Theodore A. Johnson	Springs	Mining and milling	App 2 7 07	C

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
288	11 20 06	F. E. Hunter	Springs	Domestic	App 5 3 07	Can 9 21 10
289	11 22 06	W. R. Wilcox	Coyote Creek	Mining and milling	Den 5 3 07	
290	11 22 06	M. K. Toohy, et al.	Springs	Mining and power	App 6 15 07	Can 5 2 10
291	11 22 06	Leander A. Ruppe	Springs	Irrigation	App 3 16 07	F. P. 7 13 10
292	11 22 06	Leander A. Ruppe	Springs	Irrigation	App 3 16 07	F. P. 10 29 06
293	11 24 06	L. L. Gliman, et al.	Shoshone Creek	Mining and milling	Den 5 3 07	
294	11 25 06	B. C. Meskinons	Avalon Canyon	Irrigation	App 10 10 07	Can 9 21 10
295	11 25 06	B. C. Meskinons	Spring	Irrigation	App 2 7 07	F. P. 4 4 10
296	11 26 06	The Tonopah Liberty Mining Company	Spring	Mining and milling	App 5 3 07	Can 5 24 10
297	11 27 06	Henry P. Millett	Pablo Basin	Irrigation	App 5 3 07	Can 4 7 10
298	11 28 06	W. G. Cotter	Hawes Canyon	Mining and milling	App 5 3 07	Can 4 7 10
299	11 30 06	Cumberland-Ely Copper Company	Springs	Mining, mill, power	App 4 9 07	F. P. 12 16 09
300	11 30 06	Cumberland-Ely Copper Company	Springs	Mining, mill, power	App 4 9 07	F. P. 12 16 09
301	12 1 06	Western Nevada Electric Railroad Company	Ash Canyon Creek	Power	Can 5 23 07	
302	12 3 06	T. L. Oddie, et al.	Cottonwood Springs	Mining and milling	App 8 3 07	Can 4 16 10
303	12 5 06	W. A. Stevans	Bench Creek	Mining and power	App 9 15 08	Cer 7 30 06
304	12 5 06	Chas. J. Fullstone	Carson River	Irrigation	App 3 20 07	C
305	12 6 06	J. B. Menard	Cat Creek	Power and milling	Can 5 23 07	
306	12 7 06	J. H. Harrell	White Rose Spring	Power and milling	App 9 15 08	Can 5 5 10
307	12 10 06	J. B. Giffen	Springs	Milling	App 10 10 07	Can 4 5 10
308	12 10 06	Henry Goud	Charleston Peak	Mining and power	App 10 10 07	Can 9 21 10
309	12 11 06	J. C. Farrell, et al.	Coyote Springs	Mining, milling, dom.	Den	
310	12 11 06	C. H. Wise	Pine Creek	Power	App 5 4 07	Can 9 21 10
311	12 12 06	E. J. Campbell	Springs	Power and mining	App 9 15 08	Can 9 21 10
312	12 12 06	E. J. Campbell	Eight Mile Creek	Power and mining	App 3 19 07	Can 5 9 10
313	12 12 06	W. D. Campbell	Steptoe Slough	Power and irrigation	App 3 19 07	Cer 6 17 08
314	12 14 06	Chas. C. Norton, et al.	Willow Lake	Irrigation	Wdn	
315	12 14 06	Chas. C. Norton, et al.	Burnt Lake	Irrigation	Can 4 24 08	
316	12 17 06	R. L. Harper	Underground Lake	Irrigation, mln, mill	Can 6 18 07	
317	12 20 06	Chas. J. Dumas, et al.	Warm Springs	Mining	App 4 11 07	Cer 2 16 08
318	12 20 06	John A. Winters	Springs	Mining	Can 5 23 07	
319	12 24 06	C. H. Barrett	Lapping Canyon	Mining, power, dom.	Can 5 23 07	
320	12 24 06	Lincorn Stone Company	Willow Spring	Quarrying	App 8 1 07	Cer 9 14 07
321	12 26 06	John A. Magnuson	Indian Creek	Irrigation	App 3 30 07	F. P. 4 12 10
322	12 26 06	S. A. Roland, et al.	Seven Troughs Springs	Milling	App 5 2 07	F. P. 10 13 10
323	12 31 06	Banner Mines Company	Amargosa River	Mining and milling	App 4 9 07	Can 9 21 10
324	1 2 07	J. A. Vesler, et al.	Steptoe Creek	Mining and power	App 5 7 07	Can 4 23 08
325	1 2 07	Carl Wheeler	Seven Troughs Springs	Mining and domestic	Can 5 23 07	
326	1 2 07	Joseph Hill	Springs	Mining, mill and dom.	App 5 1 07	C
327	1 2 07	S. B. Hill	Springs, Burnt Canyon	Mining, mill and dom.	App 5 1 07	Cer 6 17 08
328	1 7 07	J. F. McClelland	Coyote Creek	Mining and power	App 5 2 07	Can 6 29 07
329	1 7 07	J. F. McClelland	Cottonwood Creek	Mining and power	App 5 2 07	Can 6 29 07
330	1 7 07	J. F. McClelland	Scar Creek	Mln, power and dom.	App 5 2 07	Can 6 29 07
331	1 7 07	P. Y. Gillson	Horse Creek	Domestic	App 6 15 07	Can 11 11 09
332	1 7 07	Chas. R. Price	Amargosa River	Power and milling	App 5 4 07	Can 4 6 10

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
333	1 8 07	F. R. Howard, et al.	Spring	Domestic and mining	App 6 1 07	Can 6 2 08
334	1 9 07	Harry McCreary	Springs	Domestic and milling	Can	
335	1 9 07	F. A. McDermid	Springs	Power	App 8 3 07	Can 4 6 10
336	1 10 07	Moor, Watt & Desmond	Tule Canyon	Mining and milling	Can 9 15 08	
337	1 16 07	The Nevada United Mining Company	Murry Creek	Irrigation	App 5 2 07	F. P. 4 6 10
338	1 19 07	Ely Townsite Company	Murry Creek	Irrigation	App 5 4 07	C
339	1 19 07	Ely Townsite Company	Springs, Rosebud Canyon	Mining and milling	App 6 15 07	Can 4 4 10
340	1 21 07	W. B. Wyrick	East Walker River	Power	App 4 17 07	Can 9 21 10
341	1 22 07	H. S. Abbott	East Walker River	Power	App 4 17 07	Can 9 21 10
342	1 22 07	Wm. Henry Edwards	Springs	Mining and milling	App 11 14 07	Can 6 17 08
343	1 22 07	The St. Lawrence Mining Company	St. Lawrence Spring	Mining and domestic	Can 5 4 07	Can 4 23 10
344	1 24 07	The Adirondack Mining Company	Last Chance Spring	Mining and domestic	Can 5 4 07	
345	1 24 07	The St. Lawrence Mining Company	Grouse Spring	Mining and domestic	Can 5 4 07	
346	1 24 07	The White Pine Gold Mountain Mining Co.	Springs, Gold Canyon	Min. mill and smelt.	App 5 6 07	F. P. 5 6 10
347	1 25 07	H. S. Abbott	East Walker River	Power	App 4 17 07	Can 9 21 10
348	1 25 07	Preston Irrigation Company	White River	Irrigation	App 6 26 07	Can 9 21 10
349	1 26 07	C. W. Spencer, et al.	Springs, Rabbit Hole	Mining and milling	App 5 1 07	Can 7 21 10
350	1 26 07	Seven Townsits Townsite Company	Seven Townsits Springs	City use	Den	
351	1 28 07	F. L. Wildes, et al.	Dutchman Creek	Power and mfg.	Can 6 18 07	
352	1 30 07	F. L. Wildes, et al.	Cottonwood Creek	Power and mfg.	Can 6 18 07	
353	2 4 07	J. C. Sevier, et al.	Martin Creek	Power	App 5 18 07	Can 3 18 09
354	2 4 07	J. C. Sevier, et al.	Martin Creek	Power	App 5 18 07	Can 3 18 09
355	2 4 07	J. C. Sevier, et al.	Springs	Min. mill, domestic	Can	
356	2 4 07	Joseph Konnow	Meadow Valley Wash	Irrigation	App 1 2 08	C
357	2 6 07	N. P. Sloan, et al.	Muddy Springs	Mining and power	App 5 18 07	Can 5 5 10
358	2 7 07	L. B. McCormick, et al.	Franktown Creek	Power	App 10 10 07	Can 12 13 10
359	2 7 07	J. J. Cusick	Indian Creek	Power	App 5 8 07	Can 5 3 10
360	2 9 07	L. B. McCormick, et al.	Marlette Lake	Mining and milling	Wdn 2 18 07	
361	2 9 07	The Mines Development Co. of Nevada	Reeds Canyon	Mining and milling	App 5 2 07	F. P. 4 6 10
362	2 11 07	J. A. Fealer, et al.	Breen Springs	City of Ely supply	Can 4 9 07	
363	2 13 07	John Glendinning, et al.	Green Springs	Mining and power	App 10 10 07	Can 9 30 10
364	2 15 07	Albion Millet, Gold Mining Company	Park Canyon	Mining and power	Can 9 15 08	
365	2 16 07	L. B. McCormick, et al.	Amargosa River	Min. mill, domestic	Can 9 15 08	
366	2 18 07	L. B. McCormick, et al.	Truckee River	Power	Can 9 15 08	
367	2 18 07	Paul M. Greer	Churchill Canyon	Stock and domestic	Can 9 15 08	
368	2 20 07	Geo. S. Moody	Snake and Spring Creeks	Domestic, min, etc.	Can 9 15 08	
369	2 20 07	G. W. Gonder		Power	Can	
370	2 21 07					

REPORT OF STATE ENGINEER

371	2 27 07	F. O. Dolson	Pablo Creek	Min. mill, domestic	App 8 7 08	Can 9 30 10
372	2 27 07	M. Douglas Judah	Seven Townsits Spring	Mining and domestic	Can 9 15 08	
373	2 28 07	H. A. Cummins	Muster Spring	Irrigation	App 5 18 07	F. P. 4 13 10
374	2 28 07	J. L. Wilson	Tamarlane Spring	Mining and milling	App 6 6 07	F. P. 4 13 10
375	2 28 07	F. J. McMullan, et al.	Bucktail Spring	Mining and milling	Can 9 15 08	
376	2 28 07	J. L. Wilson	Jefferson Creek	Mining and milling	App 8 7 07	Can 6 21 10
377	2 28 07	Tom C. Davison	Malone Spring	Mining, power, stock	Can 9 15 08	
378	3 1 07	Harry E. Matthews, et al.	Whispering Ben Spring	Irrigation	App 10 10 07	Can 9 30 10
379	3 1 07	D. Lawson	East Walker River	Mining and power	Can 9 15 08	
380	3 5 07	Bruce Cunley	Pine Creek	Power	Den 9 15 08	
381	3 6 07	John Ackley, et al.	Yellow Jacket Spring	Domestic and milling	App 9 15 08	Can 9 21 10
382	3 6 07	M. Douglas Judah	Egbert Canyon	Domestic and mining	App 8 3 07	Can 9 21 10
383	3 8 07	John E. Hayes, et al.	Salmon River	Power	App 6 13 08	
384	3 8 07	T. E. Bangs	Willow Spring	Mining, mill and dom	App 11 14 07	Can 4 9 10
385	3 8 07	T. E. Bangs	Poker Brown Spring	Mining, mill and dom	App 11 14 07	Can 3 9 10
386	3 8 07	T. E. Bangs	Spring	Ore reduction	App 10 10 07	Can 9 21 10
387	3 9 07	A. C. Ellis	Spring	Ore reduction	App 10 10 07	Can 9 21 10
388	3 9 07	The E. & F. Mining Company	Peavine Mountain	Irrigation	Can 9 15 08	
389	3 9 07	W. P. Wilson, et al.	Peavine Mountain	Irrigation	App 8 3 07	Can 9 21 10
390	3 9 07	W. P. Wilson, et al.	Lithia Springs	Placer mining	Can 9 15 08	Can 10 29 08
391	3 11 07	Thomas C. Peck	Big Timber Spring	Irrigation	App 10 10 07	Can 9 21 10
392	3 11 07	Goey W. Hendsch	Spring	Mining, mill and dom.	App 11 14 07	Can 4 9 10
393	3 12 07	M. R. Paris, et al.	Wilson Creek	Power	App 11 14 07	Can 4 9 10
394	3 12 07	J. A. Bush	Eagle Canyon	Power	App 11 14 07	Can 4 9 10
395	3 12 07	J. A. Bush	Snow Water	Irrigation	App 7 5 07	-Cer 1 21 08
396	3 13 07	Alfred Swallow	Granite Springs	Mining and milling	Can 9 15 08	
397	3 13 07	The Vernon Water, Light and Power Company	Jefferson Creek	Mining, mill and dom.	Wdn 11 1 07	
398	3 14 07	C. M. Walker	Deep Creek	Min. mill and power	Can 9 15 08	
399	3 18 07	Etta Hoffman, et al.	Amargosa	Power	Can 9 15 08	
400	3 18 07	George D. Mckeljohn	Duck Creek	Power	App 8 21 07	C
401	3 18 07	Steptoe Valley Smelting and Mining Co.	Duck Creek	Power	App 8 21 07	C
402	3 18 07	Steptoe Valley Smelting and Mining Co.	Duck Creek	Power	Can 4 3 08	
403	3 18 07	Steptoe Valley Smelting and Mining Co.	Twin River	Power	Can 4 3 08	
404	3 18 07	F. O. Dolson	Poker Brown Springs	Mining and power	App 7 11 07	Can 9 19 10
405	3 20 07	Ed. Sherard	Willow Springs	Mining and power	Wdn 4 1 07	
406	3 20 07	Ed. Sherard	Buffalo Springs	Mining and power	Wdn 4 1 07	
407	3 20 07	Ed. Sherard	Forest Home Springs	Irrigation	Can 3 29 10	C
408	3 22 07	Amos B. Gardner	Springs	Mining and power	App 6 26 07	Can
409	3 22 07	D. S. Dickerson	Springs	Mining and power	App 6 26 07	C
410	3 22 07	D. S. Dickerson	Amargosa River	Mining and milling	App 4 30 08	
411	3 23 07	Julius Leinie	Salmon River	Mining and milling	App 9 19 08	
412	3 23 07	C. A. Humphrey	Cleveland Creek	Power	Den 4 11 10	
413	3 25 07	Nevada Copper Mining and Milling Company	Coles Canyon	Mining and milling	Can 9 14 08	
414	3 26 07	E. C. Lachner				
415	4 1 07	Harry Ballou				

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
416	4 1 07	Harry Ballou	Creek	Mining and milling	Can 9 14 08	
417	4 2 07	Silver Peak Valcaldia G. M. Co.	Springs	Milling	Can 9 14 08	
418	4 3 07	Thos. Wilson	Springs	Mining	Can	
419	4 4 07	John A. Magnuson	Ferguson Springs	Mining and power	App 8 21 07	Can 9 22 10
420	4 4 07	Cumberland Ely Copper Company	River Creek	Power and mining	App 8 21 07	C
421	4 6 07	Stephco Valley Smelting and Mining Co.	Pools	Power and mining	App 10 11 07	C
422	4 6 07	Z. B. Drum, et al.	Springs	Dom., min. and mill.	App 8 23 07	C
423	4 6 07	Z. B. Drum	Star Springs	Mining and milling	App 10 11 07	Can 9 22 10
424	4 6 07	Sheba Gold and Silver Mining Company	Keiley Creek	Irrigation	App 8 3 07	Can 9 22 10
425	4 10 07	I. J. Wilson	Road Canyon Spring	Irrigation	App 8 3 07	Can 9 22 10
426	4 10 07	C. H. Smith	Peavine Creek	Irrigation	App 2 1 08	Can 9 22 10
427	4 10 07	Peter Samuelson	Cow Creek	Irrigation	App 10 11 07	Can 9 22 10
428	4 11 07	John L. Bray	Cocomonga Springs	Mining and milling	App 10 16 07	C
429	4 11 07	J. H. Angregg	Kingsley Spring	Mining and milling	Den 5 29 08	
430	4 11 07	G. L. Gallagher	Snake and Spring Creeks	Mining and milling	Can 10 16 07	
431	4 12 07	N. P. Sloan, et al.	Humboldt River	Mining and power	Can 3 17 10	
432	4 12 07	Robert Lee	Humboldt River	Mining and power	App 10 5 07	Can 9 22 10
433	4 12 07	W. W. McGill	Humboldt River	Power	App 10 5 07	
434	4 12 07	Henry Ballou	Humboldt River	Power	App 8 23 07	Can 3 24 10
435	4 15 07	G. W. Gondor	Humboldt River	Power	App 8 23 07	Can 3 25 10
436	4 16 07	Hayden Henderson	Humboldt River	Power	App 8 23 07	Can 3 25 10
437	4 16 07	Hayden Henderson	Humboldt River	Power	App 8 23 07	Can 3 25 10
438	4 16 07	Hayden Henderson	Humboldt River	Power	App 8 23 07	Can 3 25 10
439	4 16 07	Hayden Henderson	Humboldt River	Power	App 8 23 07	Can 3 25 10
440	4 16 07	Hayden Henderson	Humboldt River	Power	App 10 16 07	Can 9 22 10
441	4 16 07	Hayden Henderson	Humboldt River	Power	App 12 2 07	Can 9 22 10
442	4 19 07	C. A. Humphrey	Springs	Power and mining	App 3 17 10	
443	4 22 07	New York-Nevada Gold Mining Company	Deer Creek	Power	App 10 16 07	Can 9 22 10
444	4 24 07	Wonder Electric Power and Light Company	Streams	Mining and domestic	App 10 16 07	Can 9 22 10
445	4 25 07	Goey. W. Hendesch	Cystal Spring	Domestic and mining	Can 12 15 10	
446	4 30 07	T. C. Davison	Walker River	Power and light	App 7 2 07	Can 7 30 08
447	4 30 07	L. T. Merwin	Indian Creek	Power	Can 4 23 07	
448	5 1 07	C. L. Richards	Walker River	Power	App 10 16 07	R. P. 10 24 10
449	5 1 07	United Mining Company	Erastra Spring	Power	App 10 2 07	Can 9 22 10
450	4 28 07	W. F. Snyder	Baker Creek	Irrigation	Can 9 14 08	
451	5 2 07	G. F. McCurdy, et al.	Springs	Mining and milling	Can 9 14 08	
452	5 3 07	B. C. and G. L. Gallagher	Upper Five Mile Point Spring	Mining and domestic	Can 9 14 08	
453	5 4 07	H. G. McCulloch	Spring	Mining and domestic	Can 9 14 08	

REPORT OF STATE ENGINEER

454	5 4 07	C. L. Rowe	Springs	Irrigation	App 8 21 07	Can 9 22 10
455	5 6 07	Wm. Butson	Creek	Mining and power	Can 9 15 08	
456	5 7 07	James F. Trotter	Mississippi Creek	Power and mining	App 10 16 07	Can 9 22 10
457	5 8 07	H. D. Bourcy, et al.	White River	Power and mining	Wdn 1 2 08	
458	5 8 07	John Creighton, et al.	Spring	Power and mining	Can 3 17 10	
459	5 8 07	Fred J. Jones	Moore Creek	Irrigation	App 10 17 07	Can 8 25 10
460	5 10 07	Orto Olsen	East Carson River	Irrigation	App 10 17 07	C
461	5 10 07	J. T. Sanderson	White Rock Creek	Mining and domestic	App 9 14 07	Can 9 22 10
462	5 11 07	J. T. Sanderson	Gold Creek	Mining and domestic	App 9 14 07	Can 9 22 10
463	5 11 07	D. Lawson	Walker River	Mining and power	Wdn 12 3 07	
464	5 13 07	B. V. Hurst	Big Creek	Mining and power	Can 3 17 10	
465	5 13 07	Potosi Zinc Company	Potosi Springs	Mining and domestic	App 12 19 07	Can 8 28 08
466	5 13 07	E. C. Lackner	Baker Creek	Power	Can 7 14 08	
467	5 13 07	W. O. Pray	Reese River	Power	App 10 17 07	Can 9 22 10
468	5 14 07	Calvin S. Buckwater	Springs	Mining and milling	Can 9 15 08	
469	5 15 07	Nevada American Mining Company	Copper Creek	Power	App 10 17 07	Can 3 23 10
470	5 15 07	Nevada American Mining Company	Badger Creek	Power	App 10 17 07	Can 4 4 10
471	5 15 07	Ed P. Graham, et al.	Mercuries Gap	Ore reduction	Den 8 22 07	
472	5 16 07	B. F. Taylor	Mexican Springs	Mining and milling	App 10 17 07	
473	5 16 07	L. A. L. Green	Spring	Mining and milling	Den 8 22 07	
474	5 16 07	Geo. S. Robinson	Strawberry Creek	Mining and domestic	Can 9 24 08	
475	5 16 07	J. W. Boulware	Clear Creek	Irrigation	App 4 6 08	Can 9 22 10
476	5 16 07	J. T. Sanderson	Truckee River	Mining and power	Can 3 17 10	
477	5 17 07	Verdi Lumber Company	Gilbert Springs	Mining and power	App 8 3 07	Can 9 22 10
478	5 17 07	F. I. Gunnell	Bell Mare Springs	Milling	App 10 17 07	Can 9 22 10
479	5 17 07	F. I. Gunnell	Springs	Milling	App 8 3 07	Can 9 22 10
480	5 17 07	F. I. Gunnell	Muncy Creek	Mining and domestic	App 1 10 08	Can 9 22 10
481	5 17 07	Geo. Dever, et al.	Springs	Irrigation	Can 3 17 10	C
482	5 17 07	Oscar Meaman	Big Spring	Transportation	App 10 17 07	
483	5 17 07	San Pedro Los Angeles and Salt Lake Ry.	Mississippi Creek	Mining and power	Can 9 15 08	
484	5 18 07	R. E. J. Collier, et al.	Cherry, Pine and Cotton wd Cr	Irrigation	App 10 5 07	Can 3 27 08
485	5 18 07	Wm. P. Nebecker, et al.	Cherry, Pine and Cotton Canyon	Domestic and milling	App 10 18 07	Can 9 22 10
486	5 20 07	Herman Loose, et al.	Spring	Mining and milling	Can 9 15 08	
487	5 20 07	Henry Ballou	Lowrie Wells	Milling	Wdn 9 19 08	
488	5 21 07	S. E. D. Pinnerger	Humboldt River	Mining and power	App 8 23 07	Can 3 25 10
489	5 21 07	Hayden Henderson	Humboldt River	Mining and power	App 8 23 07	Can 3 25 10
490	5 21 07	Stephco Valley Smelting and Mining Company	Springs	Ore reduction	App 10 18 07	C
491	5 21 07	Geo. M. Gardner, et al.	Truckee River	Power	Can 9 15 08	
492	5 23 07	W. F. Snyder	Lehman Creek	Power	Can 9 15 08	
493	5 27 07	O. J. Smith	Colorado River	Power	Can 9 15 08	
494	5 27 07	Sheba Gold and Silver Mining Company	Star Creek	Power	App 3 17 10	
495	5 29 07	H. H. Shuman	Spring	Mining and milling	App 10 18 07	C
496	5 30 07	B. Succiffe	Spring	Mining and milling	Can 3 17 10	
497	5 30 07	C. W. Johnson, et al.	Spring	Mining and milling	Can 5 29 08	

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
486	5 30 07	W. F. Snyder	Snake Creek	Power	Can 9 15 08	C
500	5 31 07	Mayflower-Bullfrog Consolidated Mines Co.	Amarosa River	Mining and milling	Wdn 5 27 08	C
501	5 31 07	A. E. VanDusen	Horse Canyon	Mining and milling	Can 3 17 10	
502	6 1 07	Peter B. McCracken	Shoshone Creek	Power	App 10 2 07	F P 12 7 09
503	6 1 07	J. L. Kite	Hot Creek	Irrigation	Can 9 15 08	Can 9 23 10
504	6 3 07	Ira L. Winters	Double Spring	Stock	Can 3 17 10	
505	6 3 07	Mrs. A. C. Cleveland	Stephens Creek	Power	Can 9 15 08	
506	6 3 07	J. L. Emerson	Big Creek	Mining and power	Can 3 17 10	
507	6 5 07	Waldo and Schofield, et al.	Little Cottonwood Spring	Stock	Can 9 15 08	
508	6 5 07	J. P. Kane, et al.	Truckee River	Power	Can 3 17 10	
509	6 5 07	Chas. C. Norton, et al.	Willow Lake	Irrigation	App 9 6 07	
510	6 5 07	Chas. C. Norton, et al.	Burnt Lake	Irrigation	App 9 6 07	
511	6 6 07	Will B. Edwards, et al.	Springs	Irrigation	App 9 15 08	Can 10 21 08
512	6 6 07	Z. B. Drum	Springs	Irrigation	App 10 18 07	Can 9 22 10
513	6 7 07	Rosebud Water, Power and Light Company	Rosebud Spring	Mining and power	App 10 18 07	Can 9 23 10
514	6 8 07	T. J. Cummins	Eagle Gulch	Domestic	App 2 17 08	Can 9 23 10
515	6 8 07	John B. Yount	Deer Spring	Irrigation	App 10 19 07	Can 9 23 10
516	6 8 07	T. J. Cummins	Fir Gulch	Irrigation	Can 9 23 10	
517	6 10 07	G. H. Phillips	Wells	Mining and milling	Can 9 23 10	
518	6 10 07	Jas. Callahan	Hessner Mountain	Mining and milling	App 9 28 07	F P 2 16 10
519	6 10 07	Wm. H. Rickman	White River	Power and mining	App 4 6 08	Can 9 2 10
520	6 11 07	Henry W. Bruer	Willow Creek	Mining and domestic	App 9 28 07	Can 9 23 10
521	6 12 07	H. W. Esden, et al.	Truckee River	Power	App 10 7 07	Can 9 23 10
522	6 13 07	H. D. Hourney, et al.	Salmon River	Power and mining	App 2 17 08	C
523	6 13 07	Jos. M. Burkett	Springs	Domestic	App 2 17 08	Can 9 23 10
524	6 13 07	Geo. W. Newman	Indian Spring	Mining and domestic	App 9 16 08	Can 9 23 10
525	6 13 07	E. A. Hendrix	Springs	Irrigation	App 9 14 07	Can 9 23 10
526	6 13 07	Chas. E. Miller	Eagle Creek	Irrigation	App 9 16 08	Can 9 19 10
527	6 14 07	S. P. Palmer	Horse Creek	Mining and power	App 2 17 08	Can 5 2 10
528	6 14 07	C. C. Higgins	Coyote Spring	Mining and domestic	App 2 17 08	
529	6 15 07	C. W. Johnson, et al.	Annie Spring	Mining and milling	Den 8 22 07	
530	6 15 07	National Development Company	Overland Creek	Power	App 9 16 08	Can 6 1 09
531	6 17 07	National Development Company	Overland Creek	Power	App 9 19 08	Can 6 1 09
532	6 17 07	National Development Company	Overland Creek	Power	App 9 19 08	F P 12 30 09
533	6 18 07	Stephens Valley Smelting and Mining Co.	East Creek	Mining and milling	App 9 16 08	C
534	6 18 07	Stephens Valley Smelting and Mining Co.	Duck Creek	Mining and milling	App 9 16 08	C
535	6 18 07	Stephens Valley Smelting and Mining Co.	Bird Creek	Mining and milling	App 3 14 08	
536	6 20 07	Round Mountain Hydraulic Mining Co.	Jefferson Creek	Power and mining	App 11 9 07	C

REPORT OF STATE ENGINEER

537	6 20 07	C. H. Barrett	Walker River	Power and mining	App 9 28 07	Can 9 23 10
538	6 23 07	G. G. Davis	Cottonwood Pine, Cherry Crs.	Irrigation, min., power	App 4 6 08	F P 7 14 10
539	6 23 07	L. B. McCormac, et al.	Franktown Creek	Power	Can 9 15 08	
540	6 23 07	P. B. McCracken	Smith Creek	Mining and power	Can 9 19 08	
541	6 23 07	John Harmon	Cottonwood Spring	Mining, mill, power	App 2 17 08	Can 9 23 10
542	6 23 07	Cotter Mines Company	Hawes Canyon	Mining, mill, power	Can 9 17 10	
543	6 23 07	Karl Talbot, et al.	Truckee River	Power	Can 9 17 10	
544	7 1 07	Frank J. Allen	Alum Creek	Mining and domestic	App 10 30 07	Can 9 23 10
545	7 2 07	P. B. McCracken	Deadman's Gulch	Mining and domestic	Wdn 5 27 08	
546	7 2 07	P. B. McCracken	Silver Creek	Milling and power	Wdn 5 27 08	
547	7 2 07	P. B. McCracken	Henry Creek	Milling and power	Wdn 5 27 08	
548	7 2 07	Thos. A. Starrh	Salmon River	Power	Can 3 17 10	
549	7 3 07	Harris Mining and Mill Company	Washee Lake	Mining and power	App 11 2 07	C
550	7 5 07	Mrs. E. A. Page	Salt Springs	Irrigation	App 10 16 07	F P 2 21 10
551	7 5 07	John A. Magnuson	Hot Springs	Mining and milling	App 10 29 07	Can 9 23 10
552	7 6 07	C. W. Patterson, et al.	Springs Valley	Power	App 9 16 08	Can 9 23 10
553	7 8 07	Geo. W. Owen	Gold Creek	Mining and milling	App 9 16 08	C
554	7 8 07	Grant Snyder	Lehman Creek	Power	App 10 2 07	C
555	7 11 07	California-Nevada Electric Power Company	Washee Valley	Power	App 9 16 08	
556	7 11 07	M. Cohn, et al.	Springs	Irrigation	App 9 16 08	
557	7 11 07	Stephens Valley Smelting and Mining Company	Duck Creek	Change of diversion	App 10 2 07	Can 5 6 09
558	7 11 07	Stephens Valley Smelting and Mining Company	East, North and Middle Creek	Change of diversion	App 10 2 07	Can 5 6 09
559	7 12 07	Grant Snyder	Strawberry Creek	Power	App 4 12 08	
560	7 12 07	Grant Snyder	Williams Creek	Mining and power	Can 9 15 08	
561	7 12 07	Hayden Henderson	Humboldt River	Power	App 12 17 07	Can 10 28 08
562	7 12 07	C. M. Sparks	Humboldt River	Power	Can 9 16 08	
563	7 12 07	B. G. McBride	Lamolla Creek	Mining, power, etc.	App 10 28 07	Can 9 23 10
564	7 15 07	E. E. Rockwell, et al.	Springs	Domestic	App 10 29 07	Can 9 23 10
565	7 15 07	A. F. Dixon	Maud Spring	Domestic	Den 3 30 08	
566	7 15 07	A. F. Dixon	Cottonwood Spring	Mining and milling	App 2 17 08	Can 9 23 10
567	7 15 07	A. F. Dixon	Prince Creek	Power and mining	App 12 30 07	Wdn 10 15 08
568	7 15 07	George W. DeWitt, et al.	Cherry Creek	Power	App 9 16 08	
569	7 15 07	Burt and Bush	Deep Creek	Transportation	Can 9 15 08	
570	7 15 07	Las Vegas and Tonopah Railway	Corn Creek	Mining and milling	Can 9 15 08	
571	7 16 07	B. G. McBride	Lee Creek	Mining and milling	App 4 12 08	
572	7 16 07	Michael Knopf	Lapping Creek	Power	App 4 12 08	
573	7 12 07	Hayden Henderson	Kieckhefer Canyon	Mining	Can 12 17 07	F P 11 29 10
574	7 18 07	John Buzane	Jack Spring	Mining and domestic	App 10 11 07	Can 9 23 10
575	7 18 07	G. A. Lane	Boyd Creek	Mining and domestic	App 10 29 07	Can 9 23 10
576	7 18 07	G. A. Lane	Bryan Creek	Mining and domestic	Can 8 30 08	
577	7 18 07	Ely Electric Company	Cave and Steptoe Creeks	Power	App 10 2 07	Can 9 23 10
578	7 20 07	J. W. Fucci	Springs	Mining and power	App 10 30 07	Can 6 15 08
579	7 22 07	Ross and Ross	Springs	Mining and power	App 10 30 07	
580	7 22 07	Jefferson Gold and Silver Mining Company	Jefferson Creek	Mining and milling	Can 8 31 08	
581	7 22 07	California-Nevada Electric Power Company	Franktown	Power	Can 8 31 08	

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
582	7 23 07	H. G. McCollough, et al.	Springs	Mining and domestic.	App 6 15 08	Can 9 23 10
583	7 23 07	E. M. Melville	Dutch Creek	Power and mining	Can 9 15 08	
584	7 23 07	W. E. M. Stewart	Cottonwood Creek	Power and mining	Can 9 15 08	
585	7 25 07	Goldfield Con. Water Company	Springs	Mining and milling	App 9 18 07	Can 5 2 08
586	7 25 07	W. N. McGill	Schoolhouse Spring	Irrigation	App 10 30 07	Can 6 17 08
587	7 28 07	Wm. Ashton, N. and C. Ry.	Cal Creek	Transportation, dom.		
588	7 27 07	Henry Jagels	Springs	Mining and milling	Can 3 31 08	
589	7 29 07	Irving Hawklin	Cleveland Creek	Power	Can 9 15 08	
590	7 29 07	J. E. Kerr	Chalk Spring	Mining and domestic	App 9 16 08	Can 9 23 10
591	7 30 07	John M. Prunty	Copper Creek	Irrigation	App 13 30 07	
592	7 31 07	Peter Grubb	White Canyon Creek		Can 9 15 08	
593	8 1 07	California-Nevada Electric Power Company	Mill, Sheep and North Creeks	Power	Can 3 17 10	
594	8 1 07	California-Nevada Electric Power Company	Thomas Canyon Creek	Power and domestic	App 9 16 08	
595	8 1 07	H. F. Porch	Easton Creek	Power	Wdn 2 8 08	
596	8 1 07	A. L. Emerson	Granite Spring	Power	Can 6 18 08	
597	8 2 07	National Development Company	Battle Creek	Power and domestic	Can 3 17 10	
598	8 2 07	National Development Company	Smith Creek	Power and mining	App 9 16 08	Can 9 23 10
599	8 3 07	J. P. Kane	Truckee River	Power	App 9 16 08	
600	8 6 07	H. F. Porch	Cleveland Creek	Power	App 9 15 08	
601	8 6 07	National Development Company	Mayhew Creek	Power	App 9 16 08	Can 8 5 10
602	8 6 07	National Development Company	Overland Creek	Power	App 9 16 08	Can 6 1 09
603	8 7 07	B. G. McBride	Springs	Townsite	App 12 17 07	Can 9 23 10
604	8 7 07	B. G. McBride	Cove Creek	Power	Can 9 15 08	
605	8 8 07	Wm. Twelves	Baker Creek	Power	Can 3 31 08	
606	8 8 07	National Development Company	Stones Creek	Power	App 9 16 08	Can 8 25 10
607	8 9 07	L. L. Mubbett, et al.	Stone House Canyon	Milling	Den 9 1 10	
608	8 9 07	National Development Company	Egan Creek	Power	App 9 16 08	Can 8 25 10
609	8 9 07	National Development Company	Robinson Creek	Power	App 9 16 08	Can 8 25 10
610	8 16 07	C. R. Evans	Morrisville Creek	Min, milling, domestic	App 9 16 08	Can 9 23 10
611	8 16 07	Chas. Brewster, et al.	Weaver Creek	Min, milling, domestic	Can 9 15 08	
612	8 16 07	Chas. Brewster, et al.	Weaver Creek	Min, milling, domestic	Can 9 15 08	
613	8 16 07	Chas. Brewster, et al.	Weaver Creek	Min, milling, domestic	Can 9 15 08	
614	8 16 07	A. F. Dixon	Sag Canyon Creek	Power	Can 3 31 08	
615	8 17 07	H. B. Griffith	Well	Mining and domestic	App 9 16 08	Can 9 23 10
616	8 19 07	E. C. Smith	Lakes	Mining, power, etc.		
617	8 19 07	E. C. Smith	Overland Creek	Irrigation	Can 10 31 10	
618	8 19 07	E. C. Smith	Wines Canyon	Min, power, lighting	Can 10 31 10	
619	8 19 07	National Development Company	Pole Canyon	Power	App 9 16 08	Can 8 25 10

REPORT OF STATE ENGINEER

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
620	8 19 07	G. E. Geoppert	Queen Canyon	Irrigation	App 9 18 08	Can 8 25 10
621	8 19 07	T. S. Wolcott, et al.	Loon Spring	Domestic and mining	App 6 15 08	Can 9 23 10
622	8 19 07	Mrs. A. T. Cleveland	McCoy Creek	Power	App 3 14 08	Can 9 19 10
623	8 20 07	Sunlight Mining and Smelting Company	Cottonwood Canyon	Mining, milling, power	App 11 19 07	F 11 20 10
624	8 20 07	E. C. Smith	Pole Canyon Creek	Power	Can 10 31 10	
625	8 20 07	E. C. Smith	Mayhugh Creek	Power and irrigation	Can 3 31 08	Can 8 5 10
626	8 20 07	E. C. Smith	Grismold Creek	Mining, power, mfg	App 9 18 08	
627	8 20 07	E. C. Smith	Lamolle Creek	Mining, power, trns	App 9 18 08	Can 8 25 10
628	8 20 07	E. C. Smith	Vanahs Creek	Mining, power, trns	App 9 18 08	Can 8 25 10
629	8 20 07	E. C. Smith	Moors Creek	Mining, power, trns	App 9 18 08	Can 8 25 10
630	8 20 07	E. C. Smith	Dawleys Creek	Min, mill, man, trans	App 9 18 08	Can 8 25 10
631	8 20 07	E. C. Smith	Hawkins Creek	Min, mill, man, trans	App 9 18 08	Can 8 25 10
632	8 20 07	E. C. Smith	Sutcliffe Canyon	Min, mill, man, trans	App 9 18 08	Can 8 25 10
633	8 20 07	E. C. Smith	Whittingtons Canyon	Min, mill, man, trans	App 9 18 08	Can 8 25 10
634	8 20 07	E. C. Smith	Whittingtons Canyon	Power and irrigation	App 9 18 08	Can 8 25 10
635	8 20 07	E. C. Smith	Gedney Canyon Creek	Domestic	Can 9 15 08	Can 8 25 10
636	8 21 07	S. D. Crump	Watson Spring	Domestic	Can 9 15 08	
637	8 21 07	S. D. Crump	Moore Creek	Power, mining, mill	Can 9 15 08	
638	8 21 07	National Development Company	Gedney Creek	Power, mining, mill	Can 9 15 08	
639	8 21 07	National Development Company	Reid Canyon Springs	Min, milling, townsite	App 1 16 08	Can 9 23 10
640	8 21 07	P. K. Reid	Grimes Canyon	Min, milling, townsite	App 3 14 08	Can 9 24 10
641	8 21 07	J. T. Reid	Fitzhugh, Jones or Mix Creeks	Mining, milling, power	App 2 4 08	Can 6 17 08
642	8 21 07	Fred B. Rice, et al.	Well	Domestic	Den	
643	8 23 07	L. J. Peterson	Jefferson Creek	Power	Can 9 15 08	
644	8 23 07	Round Mountain Alleghany Mining Company	Minnehaha Creek	Mining and power	Can 9 15 08	
645	8 24 07	Geo. McAllister, et al.	Lat and Stone Coffin Springs	Mining and domestic	Can 9 15 08	Can 9 24 10
646	8 25 07	Joseph L. Giroux	Spring	Min, milling, domestic	App 9 18 08	Can 10 1 10
647	8 26 07	J. B. Griffin	Pahrnagate, Mainard Lakes	Power and irrigation	App 11 8 07	
648	8 27 07	Nevada-Utah Irrigation and Development Co.	Spring	Mining	Can 9 15 08	
649	8 27 07	Thomas Wilson, et al.	Mill Canyon	Irrigation	Can 3 31 08	Can 2 15 08
650	8 28 08	Abe Arnoldus, et al.	Spring	Railroad	App 12 17 08	
651	8 28 08	Callente and Pioche Railroad Company	Spring	Power	Den 3 31 08	
652	8 29 07	Chas. C. Gates	Springs	Min, milling, domestic	Can 9 15 08	
653	8 29 07	S. L. Wines	Crystal Lake	Power	Can 9 15 08	
654	8 29 07	Mark Averill	Big Mitchell Springs	Min, milling, domestic	App 9 18 08	Can 9 24 10
655	8 29 07	Edwin R. Keen	Six Mile Springs	Min, power, irrigation	App 12 7 07	Can 9 24 10
656	8 31 07	W. B. Higley	Springs	Min, milling, domestic	Can 9 15 08	
657	9 2 07	Oscie Allen, et al.	Springs	Mining, milling, etc	Can 9 15 08	
658	9 2 07	Wm. M. Read	Ilapah Spring	Mining and power	App 2 11 08	Can 7 15 08
659	9 2 07	John Smith	Point and Reed Spring	Mining and domestic	App 9 18 08	Can 9 24 10
660	9 3 07	National Development Co.	Rattlesnake Creek	Power, min and mill	Wdn 2 5 08	
661	9 4 07	W. W. Houghton	Hot Creek	Irrigation	Can 9 15 08	Can 9 24 10
662	9 5 07	H. C. Sproule	Toe Jam Creek	Power, min and mill	App 3 9 08	Can 4 3 08
663	9 5 07	Geo. Hocknell, et al.			Can 4 3 08	

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
664	9 7 07	Thos. Wilson, et al.	Springs	Mining and domestic.	App 3 9 08	Can 9 24 10
665	9 9 07	Walker Lake Gold Mining and Milling Co.	Dead Man's Canyon	Mining	Can 4 27 08	
666	9 9 07	Walker Lake Gold Mining and Milling Co.	Dead Man's Canyon	Mining	Can 4 27 08	
667	9 9 07	Walker Lake Gold Mining and Milling Co.	Springs	Mining	Can 4 27 08	
668	9 9 07	Carlos Aguilar	Big Creek	Mining and irrigation.	App 9 18 08	Can 9 24 10
669	9 9 07	L. J. Peterson, et al.	Well	Municipal	Can 9 15 08	
670	9 9 07	Abner J. McDannell	Springs	Min, mill, trans, man.	Den 9 15 08	
671	9 9 07	Adam Schmitt	Schmitt Creek	Irrigation	App 5 27 08	Wdn 9 15 10
672	9 9 07	Adam Schmitt	Salmom River	Irrigation	App 5 27 08	Wdn 9 15 10
673	9 9 07	B. G. McBride	Warm Spring	Domestic and com	Can 3 31 08	
674	9 10 07	Paul Schillerstrom	Humboldt River	Min, power, trans	App 9 19 08	Can 9 24 10
675	9 10 07	Paul Schillerstrom	Humboldt River	Min, power, trans	App 9 19 08	Can 9 24 10
676	9 10 07	Paul Schillerstrom	Rattlesnake Creek	Min, power, trans	App 2 18 08	Can 8 31 10
677	9 10 07	Paul Schillerstrom	Rattlesnake Creek	Min, power, trans	App 2 18 08	Can 8 31 10
678	9 10 07	Paul Klopstock	Springs	Mill, power	Can 9 15 08	
679	9 12 07	C. W. Patterson, et al.	Five Mile Spring	Domestic	Can 9 15 08	
680	9 12 07	C. W. Patterson, et al.	Springs	Domestic	Can 9 15 08	
681	9 12 07	Hayden Henderson	Lakes	Min, pow, man, trans	App 4 12 08	
682	9 12 07	Hayden Henderson	Kieckner Canyon	Min, pow, man, trans	App 4 12 08	
683	9 12 07	Hayden Henderson	Lakes Head Humboldt River	Min, pow, man, trans	App 4 12 08	
684	9 12 07	Hayden Henderson	Mahogany Canyon	Min, pow, man, trans	App 4 12 08	
685	9 13 07	Mrs. A. C. Cleveland	Bassett Creek	Power	Can 9 15 08	
686	9 14 07	Ed. Sheppard, et al.	Barnet Canyon	Dom, mth, mill, power.	Can 9 15 08	
687	9 16 07	W. H. Patterson	Rye Patch Creek	Irrigation	App 1 24 08	
688	9 16 07	W. H. Patterson	Tulead Creek	Irrigation	App 1 24 08	
689	9 16 07	W. H. Patterson	Lost Creek	Irrigation	App 1 24 08	
690	9 17 07	Fairview Round Mountain Mining Company	Shoshone Creek	Min, milling, domestic	Den 11 9 07	Can 9 24 10
691	9 17 07	Fine Mollerson, et al.	Springs	Domestic	App 3 14 08	
692	9 19 07	J. A. Foster	Spring	Domestic	App 12 13 07	
693	9 19 07	Nevada-Utah Irrigation Development Co.	Cane Spring	Irrigation	App 12 17 07	Can 9 14 10
694	9 21 07	James Cavender, et al.	Springs	Min, power, domestic	App 2 25 08	Can 9 24 10
695	9 23 07	John H. L. Wedekind	Big Creek	Power, min, agricultural.	App 2 25 08	
696	9 23 07	Joseph L. Giroux	Willow Springs	Mining and domestic	App 1 6 08	Can 2 26 08
697	9 28 07	Harry H. Blackwell	Bascom Creek	Mining and electrical	App 6 18 08	Can 9 24 10
698	9 28 07	Geo. Morley, Jr.	Spring	Irrigation	App 6 18 08	
699	9 28 07	Orlando Morley	Spring	Irrigation	App 6 18 08	
700	10 3 07	John R. Magill	Porter Spring	Mining, milling, etc	Can 9 15 08	
701	10 3 07	Geo. Kump	Big Creek Canyon	Irrigation		

REPORT OF STATE ENGINEER

702	10 5 07	S. M. Levy	Baker Creek	Power	App 8 1 08	Can 9 22 10
703	10 5 07	S. M. Levy	Baker Creek	Power	App 8 6 08	Can 9 22 10
704	10 7 07	Stepoe Valley Smelting and Mining Co.	Upper Duck Creek	Mining, power, etc.	App 1 20 08	
705	10 8 07	F. L. Gould	Truckee River	Power	Can 9 15 08	
706	10 12 07	E. L. Fletcher	Muncy Creek	Power and mining	App 11 20 10	Can 9 24 10
707	10 12 07	E. L. Fletcher	Kalamazoo Creek	Power	App 9 19 08	
708	10 12 07	The Little Marsh Mining Company	Second Creek	Mining and milling	Can 8 15 08	
709	10 12 07	The Little Marsh Mining Company	Copper Creek	Mining and milling	Can 8 15 08	
710	10 15 07	Geo. Hocknell	Lewis Creek	Electrical, min, mill	Can 9 15 08	
711	10 21 07	Chas. H. Snow	Mountain Springs	Mining and milling	App 8 14 08	Wdn 9 11 08
712	10 22 07	Stepoe Valley Smelting and Mining Co.	Seeley Creek	Mining and milling	App 1 20 08	
713	10 23 07	Walter B. Joslyn, et al.	Humboldt River	Power	App 9 19 08	Wdn 9 23 08
714	10 11 07	Geo. A. Royce	Evens Creek	Power	App 9 19 08	
715	10 25 07	O. E. Mann, et al.	Stepoe Creek	Irrigation	App 9 19 08	Can 10 21 08
716						
717	10 26 07	H. A. Cummins	Spring	Irrigation	Can 9 15 08	
718	10 28 07	Frank J. Frey	Poker Brown Spring	Domestic	Can 9 15 08	
719	10 29 07	S. H. Harris		Min, milling, domestic	Can 9 15 08	
720	10 29 07	Geo. L. Plummer	Berry Creek	Power	Can 9 15 08	
721	11 7 07	Lee Lakin	Farris Creek	Irrigation	Den 4 24 08	
722	11 8 07	Albert L. J. Clark	Spring	Irrigation	App 8 14 08	Can 1 21 09
723	11 9 07	Thos. Drew, et al.	North Creek	Power	App 8 14 08	Can 9 24 10
724	11 12 07	Thos. Drew, et al.	Spring	Power	Can 1 1 08	
725	11 12 07	Gustave W. Wilhelm	Deep Creek	Irrigation	Can 9 15 08	
726	11 15 07	C. W. Gaby, et al.	Strawberry Creek	Power	App 9 19 08	Can 5 6 09
727	11 15 07	C. W. Gaby, et al.	Lehman Creek	Power	App 9 19 08	Can 5 6 09
728	11 15 07	C. W. Gaby, et al.	Sawmill Creek	Power	App 9 19 08	Can 5 6 09
729	11 15 07	C. W. Gaby, et al.	Big Pine Creek	Irrigation	App 9 19 08	Can 5 6 09
730	11 15 07	C. W. Gaby, et al.	Williams Creek	Irrigation and power	App 9 19 08	Can 5 6 09
731	11 15 07	C. W. Gaby, et al.	Burnt Mill Creek	Power	App 9 19 08	Can 5 6 09
732	11 15 07	C. W. Gaby, et al.	Pine Creek	Power	App 9 19 08	Can 5 6 09
733	11 15 07	C. W. Gaby, et al.	Willard and Shingle Creek	Power	App 9 19 08	Can 5 6 09
734	11 15 07	C. W. Gaby, et al.	Ridge Creek	Power	App 9 19 08	Can 5 6 09
735	11 15 07	C. W. Gaby, et al.	Weaver Creek	Power	App 9 19 08	Can 5 6 09
736	11 19 07	Florston Pulp and Paper Company	Bell Creek	Flushing	App 7 25 08	Can 5 6 08
737	11 20 07	Owen G. Arnot	Smith Creek	Irrigation	App 8 14 08	Can 9 24 10
738	11 22 07	Hayden Henderson	Weich Creek	Mining and power.	Can 4 12 08	
739	11 27 07	Harry Gentry, et al.	Rio Virgin River	Irrigation	Wdn	
740	12 2 07	Hayden Henderson	South Fork Humboldt River	Mining, power, etc.	Can 4 12 08	
741	12 2 07	Hayden Henderson	South Fork Humboldt River	Mining, power, etc.	Can 4 12 08	
742	12 3 07	Edward L. Robertson	Cove Spring	Power and irrigation	App 8 25 08	Can 9 24 10
743	12 3 07	Frank Clark	Springs	Irrigation	Can 9 15 08	
744	12 3 07	John McAlister	Jefferson Creek	Min, milling, power	Den 9 15 08	
745	12 4 07	Mrs. Dola Crouse	Artesian Well	Irrigation	App 3 14 08	Can 9 24 10
746	12 5 07	Harry Gentry, et al.	Rio Virgin River	Irrigation	App 3 14 08	

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
747	12 6 07	Jacob Eck	Spring	Mining and milling	Can 9 15 08	
748	12 6 07	B. O. Thralls	Burbank Canyon	Irrigation	App 2 25 08	Can 9 24 10
749	12 9 07	A. V. Todd	Salmon River	Mining, power, etc.	App 3 13 08	Can
750	12 9 07	Albert E. Murphy, et al.	Massacre, Middle, Western Lks	Irrigation	App 8 1 08	
751	12 10 07	E. H. Syphus, et al.	Gold Canyon Creek	Mining and power	Can 9 15 08	Can 9 24 10
752	12 12 07	Gohan G. Ruzzeiti	Mariposa Creek	Mining, milling, power	App 3 14 08	F P 4 10
753	12 16 07	Hullfrog Mining and Milling Co.	Spring	Mining and milling	Can 9 15 08	
754	12 16 07	C. H. Barratt	West Walker River	Power	Can 9 15 08	
755	12 19 07	Clark Drown	Stoddard Canyon Creek	Irrigation	App 9 15 08	
756	12 20 07	John J. Regan	Hot Springs	Irrigation, mill, dom	App 3 14 08	Can 1 22 09
757	12 23 07	Frank M. Riddle	South Fork Humboldt River	Irrigation	Can 9 15 08	
758	12 23 07	Verdi Lumber Co.	Truckee River	Power	App 3 9 08	Can
759	12 23 07	J. B. Dantel	Sage Hen Creek	Mining, power, etc.	App 3 14 08	
760	12 23 07	W. J. Schofield, et al.	Cottonwood Creek	Irrigation	Den 2 25 09	
761	12 23 07	W. J. Schofield, et al.	Pine Creek	Irrigation	Den 2 25 09	
762	12 23 07	W. J. Schofield, et al.	Little Cherry Creek	Irrigation	Den 2 25 09	
763	12 23 07	Jas. M. Cordray	Jet Creek	Mining, milling, power	App 4 24 08	
764	12 25 07	Geo. R. Hayden	Smith Creek	Irrigation, domestic	App 3 15 08	Can 6 27 10
765	12 25 07	Chas. Olmstead	Marshall Creek	Ore reduction	App 5 4 08	Can 9 24 10
766	12 30 07	Mrs. Chas. Goldbach	Barley Creek	Irrigation	App 11 30 08	F P 6 25 10
767	12 30 07	W. D. Lawton	Amarogosa River	Ore reduction	Can 9 15 08	
768	12 31 07	H. A. Holmberg	Rio Virgin River	Mining, milling, dom.	App 3 3 08	
769	1 2 08	O. E. Mann	Fitznugh Creek	Mining and power	App 9 21 08	Can 9 24 10
770	1 3 08	Geo. R. Hayden	White River	Irrigation and power	App 9 21 08	Can 9 20 10
771	1 3 08	Robt. M. Hopkins	Sams Clay Spring	Mining, milling, dom.	Can 9 15 08	
772	1 6 08	Tbos. Drew, et al.	Jack Springs	Mining and domestic	App 6 11 08	Can 9 24 10
773	1 6 08	Joseph L. Giroux	Stone Cabin Spring	Mining and domestic	Wdn 1 6 08	
774	1 8 08	John Henderson	Dry Creek	Irrigation	Can 3 17 10	
775	1 8 08	C. W. Griswold	Big Creek	Irrigation	Can 3 17 10	
776	1 8 08	Sidney Smith	Ferguson Spring	Mining, milling, power	App 4 6 08	Can 5 3 10
777	1 9 08	Wesley Johnson	Cliff and other Springs	Stock	App 9 21 08	Can 9 24 10
778	1 9 08	James Ryan	Amargosa River	Mfn, milling, domestic	App 3 15 08	Can 1 22 09
779	1 10 08	Montgomery Shoshone Mines Company	Jack Springs	Irrigation	App 9 21 08	Can 9 24 10
780	1 11 08	John P. Buzannes	Queen Canyon	Irrigation	App 9 21 08	Can 9 24 10
781	1 13 08	J. E. Scott	Stone Cabin Spring	Irrigation	App 8 1 08	Can 7 30 09
782	1 13 08	Joseph L. Giroux				

REPORT OF STATE ENGINEER

785	1 15 08	R. H. Hingston	State Home Spring	Mfn, milling, domestic	App 4 8 08	Can 9 24 10
786	1 16 08	J. D. Hubbard	Mill Canyon	Stock	Can 9 15 08	
787	1 16 08	J. D. Hubbard	Erickson Spring	Milling	Can 9 15 08	
788	1 16 08	J. D. Hubbard	Summit Spring	Milling and domestic	Can 9 15 08	
789	1 16 08	J. D. Hubbard	Silver Cloud Spring	Milling	Can 9 15 08	
790	1 16 08	J. D. Hubbard	Maggie Spring	Milling	Can 9 15 08	
791	1 16 08	Ermina G. Dickinson	Ermina Spring	Irrigation	App 3 17 08	F P 12 30 09
792	1 17 08	Phil K. Smith	Ash Spring	Mining	App 9 21 08	Can 9 24 10
793	1 20 08	H. E. Dickinson	Springs	Irrigation	App 3 25 08	
794	1 21 08	Ermina G. Dickinson	Red Rock Creek	Power		
795	1 21 08	Nevada Commonwealth Mfn. and Mill. Co.	Galena Creek	Milling	App 9 21 08	Can 9 24 10
796	1 23 08	R. T. Johns, et al.	Springs	Stock	App 9 21 08	Can 9 24 10
797	1 25 08	Patrick Ryan	Springs	Power	App 9 21 08	Can 9 24 10
798	1 25 08	Joseph Conway	Springs	Irrigation	App 10 30 08	Can 9 24 10
799	1 27 08	G. G. Davis	Springs	Irrigation	App 10 30 08	C
800	1 27 08	L. Morascl	Spring	Stock and domestic	App 5 11 08	C
801	1 28 08	H. A. Agee	State Home Spring	Stock and domestic	Can 9 15 08	C
802	1 28 08	Casten Olsen	Truckee River	Power	Den 8 28 10	
803	1 30 08	J. A. Erickson	Truckee River	Domestic	Den 8 28 10	
804	1 30 08	S. H. Wheeler	Truckee River	Domestic	Den 8 28 10	
805	1 31 08	Fermina Sarrles	Truckee River	Domestic	Den 8 28 10	
806	2 3 08	Fermina Sarrles	Truckee River	Domestic	Den 8 28 10	
807	2 3 08	Peter Heltman	Truckee River	Domestic	Den 8 28 10	
808	2 3 08	S. O. Kirkeby	Truckee River	Domestic	Den 8 28 10	
809	2 3 08	S. O. Kirkeby	Truckee River	Domestic	Den 8 28 10	
810	2 7 08	M. C. Erlie	Truckee River	Domestic	Den 8 28 10	
811	2 8 08	S. O. Kirkeby	Truckee River	Domestic	Den 8 28 10	
812	2 8 08	Fox and Kirkeby	Truckee River	Domestic	Den 8 28 10	
813	2 8 08	Fox and Kirkeby	Truckee River	Domestic	Den 8 28 10	
814	2 8 08	Fox and Kirkeby	Truckee River	Domestic	Den 8 28 10	
815	2 10 08	B. B. Wilking	Truckee River	Domestic	Den 8 28 10	
816	2 10 08	J. A. Miller, Jr.	Truckee River	Domestic	Den 8 28 10	
817	2 10 08	Fred J. Gleason	Truckee River	Domestic	Den 8 28 10	
818	2 14 08	T. L. Oddie	Truckee River	Domestic	Den 8 28 10	
819	2 14 08	T. L. Oddie	Truckee River	Domestic	Den 8 28 10	
820	2 14 08	T. L. Oddie	Truckee River	Domestic	Den 8 28 10	
821	2 14 08	T. L. Oddie	Truckee River	Domestic	Den 8 28 10	
822	2 15 08	John H. Brough	Truckee River	Domestic	Den 8 28 10	
823	2 15 08	W. J. Schofield	Truckee River	Domestic	Den 8 28 10	
824	2 15 08	C. H. Southworth	Truckee River	Domestic	Den 8 28 10	
825	2 17 08	H. R. Plate	Truckee River	Domestic	Den 8 28 10	
826	2 17 08	John A. Magnuson	Truckee River	Domestic	Den 8 28 10	
827	2 17 08	John A. Magnuson	Truckee River	Domestic	Den 8 28 10	
828	2 18 08	Ely Water Company	Truckee River	Domestic	Den 8 28 10	
829	2 20 08	R. J. Blackwell	Truckee River	Domestic	Den 8 28 10	

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
830	2 20 08	J. A. Erickson	Summit Spring	Stock and domestic		C
831	2 20 08	J. A. Erickson	Chokecherry Springs	Stock and domestic		C
832	2 20 08	J. A. Erickson	Rock Springs	Stock and domestic		C
833	2 20 08	A. L. Murphy	Spring	Irrigation	App 10 30 08	C
834	2 24 08	H. C. Briggs	New York Creek	Mining and milling	App 7 14 08	Can 9 26 10
835	2 24 08	R. A. Millick	Piermont Creek	Mining and milling	App 10 30 08	Can 9 26 10
836	2 24 08	W. H. Miller	Seepage	Stock and irrigation	App 7 14 08	
837	2 25 08	C. S. Wheeler	Manogany Creek	Irrigation	App 7 14 08	
838	2 25 08	C. S. Wheeler and Bros.	Manogany Creek	Irrigation	App 7 14 08	
839	2 25 08	C. S. Wheeler and Bros.	Snow Creek	Irrigation	App 7 14 08	
840	2 25 08	C. S. Wheeler and Bros.	Snow Creek	Irrigation	App 7 14 08	
841	2 25 08	C. S. Wheeler and Bros.	Convent Creek	Irrigation	App 7 14 08	
842	2 28 08	T. L. Oddle	Pine Creek	Power	App 7 14 08	C
843	2 29 08	I. A. Stromider	Walker River	Power and mining	App 8 13 08	
844	3 4 08	Wild Horse Mining and Milling Company	Cottonwood Creek	Power and mining	Can 10 15 08	
845	3 4 08	Ralph Carson	Spring	Stock	Can 10 15 08	
846	3 4 08	Ralph Carson	Spring	Stock	Can 10 15 08	
847	3 4 08	Ralph Carson	Cedar Springs	Irrigation	Can 3 17 10	C
848	3 4 08	W. E. Hill	Gordon Springs	Irrigation	Can 8 4 10	
849	3 4 08	W. H. Boundy	Moffat & Glencoe Springs	Irrigation	Can 8 4 10	
850	3 4 08	Mary O'Brien	Starr Creek	Irrigation	App 5 26 08	Can 9 26 10
851	3 4 08	James H. O'Brien	Starr Creek	Irrigation	App 6 3 08	Can 9 26 10
852	3 6 08	E. H. Whitacre	Walker River	Mining and milling	App 10 30 08	F. P. 10 27 10
853	3 9 08	C. S. Floyd & Co.	Wildhorse Canyon	Irrigation	App 10 30 08	C
854	3 16 08	M. A. Jones	Spring	Mining and milling	App 6 13 08	Cer 6 30 09
855	3 17 08	D. G. Doubleday	Spring	Power and domestic	App 10 30 08	
856	3 18 08	E. L. Fletcher	Spring	Irrigation	Den 10 15 08	
857	3 18 08	H. W. Lane, et al.,	Spring	Irrigation	Den 10 15 08	
858	3 18 08	P. M. Baker	Spring	Irrigation	App 10 30 08	Can 10 31 10
859	3 19 08	Wm. Menking	Spring	Domestic	Can 10 15 08	
860	3 20 08	J. A. Fesler	Humboldt River	Milling and mining	Can 10 15 08	
861	3 20 08	J. K. Smith	Young's Canyon	Irrigation	Can 10 15 08	
862	3 21 08	J. K. Smith	Young's Canyon	Irrigation	Can 10 15 08	
863	3 23 08	Valleyview M. Co.	Spring	Mining and milling	App 10 30 08	Can 9 28 10
864	3 25 08	J. I. & F. B. Rice	Fitzhugh Creek	Mining and milling	Can 3 17 10	
865	3 24 08	P. A. English	Regan Canyon	Milling and domestic	Can 2 25 09	
866	3 25 08	J. T. Hauskins	Humboldt River	Power	Can 3 16 10	C
867	3 25 08	Earl Howard	Baker Creek	Power		

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
868	3 25 08	Earl Howard	Cleveland Creek	Power	App 10 12 10	
869	3 25 08	Earl Howard	Baker Creek	Power		
870	3 25 08	C. T. Austin	Tule Canyon	Irrigation	App 10 30 08	C
871	3 25 08	J. W. Campbell	Spring	Milling and domestic	App 10 30 08	Can 9 28 10
872	3 26 08	T. E. Sargent	Hutchinson Creek	Power	Can 3 28 10	
873	3 26 08	T. E. Sargent	Tunnel Canyon	Power	Can 3 28 10	
874	3 26 08	R. W. Garmanon	Spring	Mining	App 10 30 08	Can 9 28 10
875	3 26 08	O. E. Mann, et al.	Boneyard Canyon	Irrigation	Den	
876	3 27 08	V. G. Shephard	Boneyard Canyon	Power	App 10 30 08	F. P. 11 7 10
877	3 27 08	J. H. Sleson	Spring	Domestic and mining	App 10 30 08	Can 9 28 10
878	3 30 08	Gardner Ranch Co.	Fabrangat Lake	Irrigation	App 11 18 10	
879	3 30 08	J. P. Gardner	Fabrangat Lake	Irrigation	Wdn 5 25 10	
880	3 30 08	Walker Schmierer	Mont Spring	Irrigation	App 10 30 08	F. P. 11 9 10
881	3 30 08	V. G. Shephard	Boad Spring	Mining and milling	App 10 30 08	Can 9 28 10
882	3 30 08	E. M. Hartney, et al.	Little Humboldt River	Mining and milling	App 3 20 09	
883	3 30 08	J. A. Fesler	Spring	Power and domestic	Can 10 15 08	
884	3 30 08	J. A. Fesler	Spring	Domestic	Can 10 15 08	
885	3 30 08	J. A. Fesler	Squaw Flat	Mining and milling	Can 10 15 08	
886	3 30 08	J. A. Fesler	Summit Creek	Domestic	Can 10 15 08	
887	3 30 08	J. A. Fesler	Spring	Mining and milling	Can 10 15 08	
888	3 31 08	Geo. F. Busch	Spring	Domestic	Can 3 17 10	
889	3 31 08	A. Depoal	Spring	Irrigation	App 10 30 08	Can 9 28 10
890	3 31 08	J. A. Fesler	Rock Creek	Mining and milling	Can 10 15 08	
891	3 31 08	J. A. Fesler	Frazier Creek	Mining and milling	Can 10 15 08	
892	3 31 08	J. A. Fesler	Zada Spring	Mining and milling	Can 10 15 08	
893	3 31 08	E. H. Francis, et al.	Spring	Domestic	App 10 30 08	Can 2 3 09
894	4 1 08	McAllister Mining and Milling Company	Slaughterhouse Creek	Power	Can 10 15 08	
895	4 1 08	A. G. Knitberg	Royal Spring	Mining and domestic	App 5 10 08	Can 8 21 10
896	4 2 08	E. S. Ramsey	Williams Creek	Irrigation	Can 10 15 08	
897	4 2 08	H. G. Gilkerston	Summit Creek	Power and mining	App 5 10 09	F. P. 10 13 10
898	4 2 08	J. L. Ramsey	Ridge Creek	Irrigation	App 6 30 08	
899	4 2 08	H. R. Plate	Sleptoe Creek	Power and mining	Wdn 8 13 08	
900	4 2 08	O. W. Ewing	Spring	Irrigation	Can 10 15 08	
901	4 2 08	L. B. Moore	Spring	Mining and milling	Wdn 10 15 08	
902	4 3 08	Wm. W. Coleman	Walker River	Power	Wdn 10 15 08	
903	4 3 08	Wm. W. Coleman	Walker River	Power	Wdn 10 15 08	
904	4 3 08	Paul Gaston, et al.	Walker River	Power	App 9 22 10	Can 9 30 10
905	4 4 08	Ely Electric Company	Cave and Sleptoe Creeks	Power	App 6 18 08	
906	4 4 08	Ely Electric Company	Butcher Spring	Power	App 10 30 08	Can 10 12 10
907	4 6 08	Eric Johnson, et al.	Spring	Irrigation	App 10 30 08	Can 10 12 10
908	4 6 08	James M. Ward	Spring	Milling	App 10 30 08	Can 10 12 10
909	4 6 08	A. V. Todd	Salmon River	Mining and milling	App 6 15 08	
910	4 6 08	L. S. Sheldon	Eagleville Hot Spring	Mining and milling	Den 9 22 10	
911	4 9 08	E. C. Rickard, et al.	Spring	Mining and milling	Can 10 15 08	
912	4 9 08	W. R. Chadwick	Spring	Milling	Can 10 15 08	

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
913	4 10 08	Dee Clark	Granite Spring	Mining and milling	App 10 30 08	Can 10 12 10
914	4 10 08	C. W. Wright	Oregon Creek	Mining and milling	App 10 30 08	Can 10 15 08
915	4 13 08	J. F. Kling, et al.	Bell Spring	Mining and milling	Can 3 29 10	Can 7 7 10
916	4 15 08	J. Bernhart	McDonald	Mining and milling	App 10 30 08	Can 10 15 08
917	4 15 08	P. W. Dargis	Summit Creek	Mining and milling	Can 5 5 08	Can 5 5 08
918	4 15 08	A. G. Cunningham	Duck Creek	Ore reduction	Den 5 21 08	Den 5 21 08
919	4 16 08	Robert Walther	Barber Canyon	Mining and milling	App 5 10 08	F P 9 9 10
920	4 16 08	Wm. Hamilton	Shingle Creek	Irrigation	Can 3 17 10	Can 10 12 10
921	4 16 08	John A. Landgren	Stream	Irrigation	Can 10 15 08	Can 10 15 08
922	4 18 08	Paul Irvin	Irvin Canyon	Mining and milling	App 10 30 08	Can 5 5 08
923	4 20 08	Morris Roberts, et al.	Irvin Canyon	Mining and milling	Can 5 5 08	Can 5 5 08
924	4 20 08	E. H. Francis	Spring	Domestic	App 10 30 08	Can 9 24 10
925	4 20 08	Lodi Mines Company	Flute Spring	Mining and milling	App 10 30 08	Can 10 30 08
926	4 23 08	Thomas Campbell, et al.	Spring	Irrigation	Can 10 15 08	C
927	4 23 08	Owen Cazier	Current Creek	Irrigation	Can 10 15 08	C
928	4 23 08	J. E. Thornton	Coyote Creek	Power	Can 10 15 08	Can 10 15 08
929	4 23 08	J. E. Thornton	Antelope Creek	Power	App 10 30 08	Can 12 13 10
930	4 23 08	J. E. Thornton	Black Canyon Creek	Power	App 10 30 08	Can 12 13 10
931	4 23 08	J. E. Thornton	Eldorado Creek	Power	App 10 30 08	Can 10 12 10
932	4 23 08	J. E. Thornton	Monte Cristo Springs	Mining and milling	App 8 28 08	Can 12 13 10
933	4 23 08	W. J. Stewart	Opbir Creek	Mining and milling	Den 9 22 10	C
934	4 24 08	John A. Magnuson	Fitzhugh Creek	Irrigation and power	App 10 12 10	C
935	4 24 08	John A. Magnuson	Cleveland Creek	Irrigation	App 10 30 08	C
936	4 24 08	Sumner Samson	Fitzhugh Creek	Irrigation	App 10 30 08	Can 12 13 10
937	4 24 08	John A. Magnuson	Spring	Irrigation	App 10 30 08	Can 12 13 10
938	4 24 08	George J. Myers	Spring	Mining and milling	Can 10 15 08	Can 12 13 10
939	4 25 08	Rosedale Mining Company	Walker River	Power	Can 10 15 08	C
940	4 25 08	Z. Wirt	Walker River	Power	App 10 30 08	Can 8 8 10
941	4 25 08	Z. Wirt	Walker River	Irrigation	App 10 30 08	C
942	4 25 08	David Morrison	Morrison Creek	Mining and milling	App 10 30 08	Can 8 8 10
943	4 27 08	Henry Heidenreich	Spring	Mining and milling	App 10 30 08	C
944	4 28 08	Chas. E. Sharp, et al.	Little Creek	Mining and milling	App 10 30 08	C
945	4 28 08	Edwin R. Keen	Pine Creek	Irrigation	App 5 10 09	C
946	4 28 08	Frank E. Clark, et al.	Spring	Mining and milling	App 10 30 08	Can 9 21 09
947	4 29 08	Jacob Crech	Moor's Creek	Irrigation	App 9 13 10	Can 9 21 09
948	4 30 08	Wm. C. Sharp (Indian Moapa Reservation)	Muddy River	Irrigation	Den 9 23 10	Can 10 15 08
949	5 1 08	Stargo Mining and Milling Company	Stargo Creek	Irrigation	Can 10 15 08	Can 10 15 08
950	5 1 08	Stargo Mining and Milling Company	Stargo Creek	Irrigation	Can 10 15 08	Can 10 15 08

REPORT OF STATE ENGINEER

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
951	5 1 08	D. F. and L. J. McCarthy	Barber Canyon	Mining and milling	Den 5 21 08	Can 12 13 10
952	5 2 08	Bedmark and Norton	Cordwood and White Creek	Irrigation and stock	App 10 30 08	Can 12 13 10
953	5 4 08	J. F. Hutchinson, et al.	Duck Creek	Power and mining	Den 6 23 10	Can 12 13 10
954	5 5 08	A. G. Cunningham	Duck Creek	Irrigation and power	Den 10 15 08	Can 12 13 10
955	5 5 08	Tiptop Townsite Company	Oro Fino Creek	Mining and milling	Can 10 15 08	F P 7 14 10
956	5 8 08	Alice A. Tippett	Blind Spring	Stock	App 10 30 08	F P 7 14 10
957	5 8 08	Frank Bassett	Rock, Sand, Blind and Spring	Stock	App 11 18 10	F P 7 14 10
958	5 12 08	Frank Burns	Buffalo Creek	Irrigation	Can 3 17 10	Can 8 21 08
959	5 13 08	Frank E. Clark	Spring	Mining and milling	App 10 30 08	Can 9 21 09
960	5 13 08	Roy Skinner, et al.	Spring	Domestic	Can 3 17 10	Can 9 21 09
961	5 13 08	F. J. Peck, et al.	Stone Cabin Spring	Mining and milling	App 8 6 08	F P 7 21 10
962	5 13 08	Martin Christopher	Rock Creek	Mining and milling	App 10 15 10	F P 7 21 10
963	5 13 08	J. E. Gignoux	Rue Wing Spring	Domestic	Wdm 10 15 10	F P 7 21 10
964	5 13 08	C. H. Duborg	Spring	Domestic	Wdm 10 15 10	F P 7 21 10
965	5 14 08	P. W. Dargin	Summit Creek	Milling	App 5 3 10	C
966	5 14 08	Walker Lake Gold Mining and Milling Co.	Deadmans Canyon	Domestic and milling	App 10 30 08	Can 12 13 10
967	5 14 08	Walker Lake Gold Mining and Milling Co.	Willow Canyon	Domestic	App 10 30 08	F P 12 14 10
968	5 14 08	A. V. Toad	Salmon River	Domestic and power	App 10 30 08	Can 12 13 10
969	5 15 08	W. G. Adamson	Spring	Power	App 8 13 08	Can 12 13 10
970	5 15 08	E. P. Clendenin, et al.	Cottonwood Creek	Mining and milling	Den 9 23 10	Can 12 13 10
971	5 15 08	E. P. Clendenin, et al.	Cottonwood Creek	Mining and milling	App 10 30 08	Can 12 13 10
972	5 18 08	W. H. Hamilton	Spring	Mining and milling	Can 9 1 10	Can 12 13 10
973	5 18 08	E. H. Francis	Blue Wing Spring	Mining and milling	Can 3 17 10	Can 12 13 10
974	5 19 08	Geo. Doyle, et al.	New Moon Tunnel	Mining and milling	Den 11 18 10	Can 12 13 10
975	5 20 08	J. F. Gurney	Stone Cabin Spring	Mining and milling	App 10 30 08	Can 12 13 10
976	5 20 08	W. H. Sheldon	Gem Canyon	Mining and milling	App 8 1 08	Can 12 13 10
977	5 21 08	Wm. Henriot	Springs	Irrigation and stock	App 10 30 08	Can 9 24 10
978	5 22 08	Ed Sheppard, et al.	Burnt Canyon	Mining and milling	App 10 30 08	Can 9 24 10
979	5 23 08	E. C. Ruddle	Star Creek	Irrigation	App 10 30 08	C
980	5 23 08	Wm. Martin	Star Creek	Mining and power	Can 10 15 08	C
981	5 26 08	Edsall Cobb	Truckee River	Power	Den 9 23 10	Can 5 10 09
982	5 26 08	J. J. Cool	Jem Canyon	Mining and milling	App 1 24 10	F P 8 11 09
983	5 26 08	H. R. Nehrbas	Willard Creek	Mining and milling	Can 10 15 08	C
984	5 26 08	C. H. Barrett	Walker River	Power, etc.	App 10 30 08	C
985	5 27 08	W. W. Dill	Salmon River	Irrigation	Wdm 6 17 10	Can 11 27 08
986	5 27 08	B. G. McBride, et al.	Springs	Irrigation and mining	App 7 10 08	Can 11 27 08
987	5 28 08	L. E. Campbell	Springs	Power and mining	App 10 30 08	Can 11 14 10
988	5 28 08	Isaac Bird	Springs	Mining and milling	App 10 30 08	Can 4 25 08
989	5 29 08	O. P. Adams, et al.	Springs	Mining and milling	Can 10 15 08	Can 4 25 08
990	5 29 08	James F. Bogle	Springs	Mining and milling	Can 10 15 08	Can 4 25 08
991	6 1 08	Wm. Ryan	Springs	Irrigation	Can 10 15 08	Can 4 25 08
992	6 1 08	Alfred Day, et al.	Cottonwood Creek	Mining and milling	App 7 10 08	Can 11 27 08
993	6 2 08	H. W. Bruner	Willow Creek	Mining and domestic	App 10 30 08	Can 11 14 10
994	6 3 08	E. C. Smith	Blossom Spring	Ore reduction	Can 10 15 08	Can 4 25 08
995	6 3 08	E. W. Davis	Mary's River	Irrigation	Can 10 15 08	Can 4 25 08

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
986	6 3 08	H. H. Coryell	Signal and Dry Creek	Irrigation	App 10 30 08	Can 12 13 10
987	6 3 08	A. O. Girard, et al.	Big Creek	Irrigation	Can 8 23 10	
988	6 4 08	W. M. T. Gregory	Weaver Creek	Irrigation	App 5 10 08	C
989	6 4 08	P. W. Chase	Cottonwood Creek	Mining and milling	App 10 30 08	F P 12 10 10
1000	6 5 08	H. Badt	Bishop Creek	Irrigation	App 6 29 08	
1001	6 6 08	L. V. Shearer	Tunnel	Mining and milling	Can 4 26 08	
1002	6 6 08	J. W. Wenzel	Crystal Springs	Mining and domestic	Wdn 6 26 08	
1003	6 6 08	C. W. Watts	Spring	Mining and domestic	App 7 10 08	Can 8 26 10
1004	6 6 08	C. H. Bristol, et al.	Humboldt River	Mining and electrical	App 3 20 08	Can 8 26 10
1005	6 6 08	John G. Taylor	Spring	Mining and electrical	Wdn 7 23 08	
1006	6 8 08	A. B. Behm, et al.	Humboldt River	Irrigation	Can 6 26 08	
1007	6 8 08	I. D. Boyd, et al.	Horse Canyon	Mining and milling	Can 6 26 08	
1008	6 8 08	Nevada Gold Syndicate	Spring	Mining and milling	App 3 20 08	Can 8 26 10
1010	6 10 08	L. B. Spencer, et al.	Spring	Mining and milling	App 3 20 08	Can 12 13 10
1011	6 11 08	southern Pacific Railroad	North Creek	Dom transportation	Can 6 26 08	
1012	6 11 08	W. E. Walters	Marshall Creek	Power	Can 6 26 08	
1013	6 13 08	Asa Baldwin	Cottonwood Canyon	Mining, milling, power	Can 3 17 10	
1014	6 13 08	Cottonwood Canyon Mines Company	Spring	Stock and irrigation	App 3 20 08	Cer 12 6 08
1015	6 13 08	Chas. R. Lewis	Spring	Mining, milling, dom.	Can 6 26 08	
1016	6 15 08	J. L. Workman	Spring	Mining, milling, dom.	App 3 20 08	C
1017	6 17 08	O. P. Adams, et al.	Spring	Mining, milling, dom.	App 3 20 08	Can 8 26 10
1018	6 18 08	Manitou Mining Company	Spring	Mining, milling, dom.	App 3 20 08	
1019	6 18 08	John Bartelle	Spring	Mining, milling, dom.	Can 6 26 08	
1020	6 19 08	Joseph H. Mitchell	Rose Creek	Irrigation	App 3 20 08	F P 3 15 10
1021	6 19 08	Samuel Hall	Sanford Spring	Stock	App 3 20 08	F P 12 18 08
1022	6 19 08	John Wenzel	Willow and Gravel Springs	Irrigation	Can 6 26 08	F P 11 26 10
1023	6 20 08	R. M. Davis	Spring	Power, mining, mill	Can 6 26 08	
1024	6 20 08	W. C. Ross	Spring	Irrigation and dom	App 3 20 08	C
1025	6 26 08	A. H. Manning	Spring	Irrigation	Can 6 26 08	
1026	6 26 08	T. C. Windons	Spring	Irrigation	Can 6 26 08	
1027	6 27 08	Fermina Sarrias	Dandy Spring	Mining and domestic	App 3 20 08	Can 12 13 10
1028	6 27 08	Fermina Sarrias	Margaret Spring	Mining and domestic	App 3 20 08	Can 8 26 10
1029	6 27 08	Fermina Sarrias	Granite Springs	Mining and domestic	Den 8 26 10	
1030	6 27 08	Fermina Sarrias	Eliza Springs	Domestic and mining	Den 8 26 10	
1031	6 27 08	Fermina Sarrias	Combination Springs	Domestic and mining	Den 8 26 10	
1032	6 29 08	Thomas C. Davis	Pioneer Springs	Domestic and mining	Den 10 15 10	
1033	6 29 08	Harry Quinn	Troy Creek	Irrigation	Can 6 26 08	

REPORT OF STATE ENGINEER

1034	6 29 08	Hugh Weal	Troy Creek	Irrigation	Can 6 26 08	
1035	6 29 08	Henry F. Piereve	Honustead Spring	Mining and power	Can 6 26 08	
1036	7 1 08	French American Mining Company	Weaver Creek	Irrigation	Can 5 6 08	
1037	7 2 08	John A. Magnitson	Flizough Creek	Change of diversion	App 3 20 08	
1038	7 3 08	Wm. M. Sims, et al.	Pioneer Spring	Milling	Den 9 23 10	
1039	7 6 08	J. R. Schummel	Twin River	Power	App 3 20 08	
1040	7 6 08	Wm. Page	Grassy Canyon	Irrigation	App 7 14 08	
1041	7 7 08	Bonnie Briet (old Mining Company)	Spring			C
1042	7 7 08	D. C. Hoicomb, et al.	Black Rock Canyon	Domestic and mining	App 3 20 08	C
1043	7 9 08	John E. Hayes, et al.	Salmon River	Power	App 11 30 08	
1044	7 10 08	Fermina Sarrias	Rosa Spring	Domestic and mining	App 2 23 10	
1045	7 11 08	Goldfield Con. Water Company	Marlin Spring	Municipal	App 9 22 08	Cer 12 1 08
1046	7 11 08	Ralph Christian	Willow Creek	Irrigation	Can 6 26 08	
1047	7 11 08	J. L. Kamsney	Spring Creek		Can 6 26 08	
1048	7 13 08	Dew R. Oliver	Esberg Canyon	Mining, power, etc.	App 3 20 08	Can 7 21 10
1049	7 13 08	Dew R. Oliver	Stone House Canyon	Mining, power, etc.	App 3 20 08	C
1050	7 13 08	Jasper M. Fox	Spring Creek	Irrigation	App 7 10 08	C
1051	7 13 08	Jasper M. Fox	Spring	Irrigation	Can 6 26 08	
1052	7 13 08	J. A. Lundgren	Willard Creek	Irrigation	Can 6 26 08	
1053	7 13 08	H. W. Miller, et al.	Saw Mill Creek	Irrigation and dom	App 5 10 08	Can 9 16 10
1054	7 14 08	Nevada Humboldt Mining Company	Florida Canyon	Irrig., stock and dom.	App 5 10 08	C
1055	7 14 08	R. J. Colvin, et al.	Spring	Mining and domestic	App 3 20 08	C
1056	7 14 08	R. J. Colvin, et al.	Spring	Min., dom. and mill.	App 3 20 08	C
1057	7 15 08	William M. Read	Ullajah Springs	Min., dom. and mill.	App 3 20 08	C
1058	7 16 08	Thomas Ryan	First, Second and Third Creeks.	Irrigation	Wdn 8 1 08	
1059	7 16 08	Geo. W. Robinson	Weaver Creek	Irrigation	App 6 10 08	C
1060	7 17 08	Verdi Lumber Company	Truckee River	Power	App 3 20 08	
1061	7 17 08	H. R. Plate	Baker Creek	Power, mining, mill	Can 6 26 08	
1062	7 17 08	H. R. Plate	Baker Creek	Power, mining, mill	Can 7 7 10	
1063	7 20 08	H. E. Snider, et al.	Copper King Spring	Power, mining, mill	Can 6 26 08	
1064	7 20 08	Lodi Mines Company	Wells	Industrial	Can 6 26 08	
1065	7 21 08	James Mayberry, et al.	Truckee River	Power	Wdn 9 30 08	
1066	7 22 08	David Graham	Spring	Min, mill, irrigation	Wdn 9 30 08	C
1067	7 23 08	D. E. Storms, et al.	Kaford Canyon	Min, mill, domestic	App 3 20 08	
1068	7 24 08	Geo. Vickers	Spring	Irrigation	App 11 27 08	Can 11 17 10
1069	7 25 08	Eureka Live Stock Company	Roberts Creek	Irrigation	Can 6 26 08	
1070	7 27 08	A. Borland	Horse Canyon	Irrigation	Can 6 26 08	
1071	7 27 08	A. Borland	Little Rock Canyon	Irrigation	Can 6 26 08	
1072	7 27 08	A. Borland	Wrighta Canyon	Irrigation	Can 6 26 08	
1073	7 27 08	Harry V. Clinton	Shanghal Canyon	Irrigation	Can 6 26 08	
1074	7 28 08	Louis K. Maw	Spring		Can 6 26 08	
1075	7 30 08	W. J. Wallace	Telegraph Creek	Mining and milling	App 3 20 08	Can 5 12 08
1076	7 30 08	H. R. Plate	Baker Creek	Domestic and milling		C
1077	8 1 08	Thos. Wilson	Spring	Domestic and milling		C
1078	8 1 08	Sidney Brown	Dry Gulch	Domestic and milling	App 3 20 08	C

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1079	8 3 08	Nevada-Almaden Mining Company	Spring	Domestic, mill, min	App 3 20 09	
1080	8 3 08	Jos. P. Scheewohl	Jack Spring	Domestic, mill, min	App 7 10 09	
1081	8 5 08	W. B. Edwards	Walker River	Mill and power	App 3 20 09	
1082	8 5 08	W. F. Barrett, et al.	Cold Spring	Irrigation and dom.	Can 6 26 09	
1083	8 12 08	Mrs. Margaret Stephens	Cottonwood Canyon	Mining	Can 6 26 09	
1084	8 12 08	Geo. H. Allen	Steploe Creek	Irrigation	Can 6 26 09	
1085	8 12 08	Geo. P. Barnum	Monte Cristo Spring	Irrigation	App 3 20 09	Can 9 21 10
1086	8 13 08	H. L. Lorigan, et al.	Fenstemaker Spring	Irrigation	App 4 29 09	C
1087	8 13 08	Wm. G. Meecham	Warm Spring	Irrigation	App 3 20 09	C
1088	8 13 08	Eureka Live-Stock Company	Cathedral Canyon	Irrigation	Can 9 23 10	
1089	8 13 08	H. G. McCullough	Water-Canyon	Milling	App 3 25 09	Can 3 26 10
1090	8 14 08	J. W. Thompson	Rebo Creek	Irrigation	Can 6 26 09	
1091	8 14 08	Catharine L. Welch	Birch Creek	Mining and domestic	Can 6 26 09	
1092	8 17 08	Harry Herbert, et al.	Grimes Canyon	Mining and domestic	Can 8 29 08	
1093	8 17 08	J. L. Lisle	Well	Mining and domestic	App 11 30 08	
1094	8 18 08	R. A. Millick	Piermont Creek	Mining and domestic	Can 6 26 09	
1095	8 20 08	Thomas Wilson	Springs	Mining and domestic	Can 6 26 09	
1096	8 20 08	J. H. Hendra, et al.	Dun Glen Canyon	Mining and domestic	Can 6 26 09	
1097	8 21 08	J. T. Hauskins	Humboldt River	Mining and domestic	Den 7 6 10	
1098	8 22 08	Midas Mining Company	Tunnel	Mining and domestic	App 3 20 09	
1099	8 22 08	Midas Mining Company	Spring	Mining, mill and dom.	App 3 20 09	
1100	8 22 08	Charles C. Gates	Bassett Creek	Power	App 3 20 09	Can 12 22 10
1101	8 27 08	Louis Lenz	Carson River	Change diversion	Can 6 28 09	
1102	8 28 08	B. F. Baker, et al.	Galoon Canyon	Min, mill and power	App 3 20 09	
1103	8 28 08	H. R. Plate	Steploe Creek	Min, mill and power	App 3 20 09	
1104	8 29 08	Hayden Henderson	Welch Creek	Min, mill and power	App 1 26 09	
1105	8 29 08	Hayden Henderson	Kleckner Canyon	Min, mill and power	App 4 12 09	
1106	8 29 08	Hayden Henderson	Mahogany Canyon	Min, mill and power	App 4 12 09	
1107	8 29 08	Hayden Henderson	Stoddard Canyon	Min, mill and power	App 4 12 09	
1108	8 29 08	Hayden Henderson	Furlong Canyon	Min, mill and power	App 4 12 09	
1109	8 29 08	Hayden Henderson	Long Canyon	Min, mill and power	App 4 12 09	
1110	8 29 08	R. H. Larson	Willow Spring	Stock	App 7 10 08	
1111	8 31 08	Paul G. Lewis, et al.	Spring	Stock and domestic	App 3 20 09	
1112	9 1 08	C. W. Griswold, et al.	Lamoille Creek	Power	Can 9 16 09	
1113	9 1 08	John Henderson	Creek	Irrigation	App 3 20 09	
1114	9 1 08	C. W. Griswold	Dry Creek	Irrigation	App 3 20 09	
1115	9 1 08		Spring	Min, mill, power, etc.	Can 6 28 09	
1116	9 4 08	Melvin J. Trubsty				

REPORT OF STATE ENGINEER

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1117	9 5 08	Frank H. Winters	Bruneau River	Power and Irrigation	App 3 20 09	App 3 20 09
1118	9 5 08	W. C. Morgan	Hooper Canyon Creek	Irrigation	App 3 20 09	App 3 20 09
1119	9 10 08	H. R. Plate	Cave and Steploe Creek	Mining, milling, pow.	Can 6 28 09	Can 6 28 09
1120	9 11 08	Sextus L. Reed	Atom Creek	Mining, milling, dom.	Can 6 28 09	Can 6 28 09
1121	9 14 08	C. I. Burt, et al.	Centennial Springs	Transportation	App 3 20 09	App 3 20 09
1122	9 14 08	Chas. H. Snow	Mountain Springs	Milling and domestic	App 3 20 09	F P 7 14 09
1123	9 16 08	A. Scott, et al.	Shady Run Canyon	Mill, dom. and Irr.	Can 6 28 09	Can 5 3 10
1124	9 16 08	Jesse L. Workman	Springs	Min., dom. and min.	Can 6 28 09	C
1125	9 16 08	H. H. Lorigan, et al.	Springs	Irrigation	App 3 20 09	
1126	9 17 08	Thos. Wilson	Springs	Dom., min. and mill.	Can 6 28 09	
1127	9 19 08	W. H. Davis, et al.	Stewart Spring	Dom., min. and mill.	Den 6 28 09	
1128	9 21 08	Saml. S. Arentz	Churchill Canyon	Ore reduction	App 3 20 09	Can 5 18 09
1129	9 22 08	Thos. Magill	Porter Springs	Ore reduction	App 3 20 09	
1130	9 23 08	H. A. Holmberg	Spring	Min., mill, domestic	Can 6 28 09	
1131	9 23 08	Wm. J. Dawe	Dry Creek	Irrigation and dom.	App 3 20 09	F P 7 15 10
1132	9 24 08	R. C. Taylor, et al.	Lincoln Canyon	Domestic and power	App 3 20 09	C
1133	9 28 08	Jasper M. Fox	Andy Canyon	Power and Irrigation	Wdn 10 23 10	
1134	9 30 08	Iron King Mining, Milling and Develop. Co.	Willow Creek	Power, min. and mill.	Can 6 28 09	Can 6 28 09
1135	9 30 08	A. E. Cheney	Spring	Power, min. and mill.	App 7 10 09	C
1136	10 2 08	E. A. Hendrix	Spring	Power and domestic	App 7 10 09	Wdn 7 22 09
1137	10 7 08	R. C. Taylor, et al.	East Fork Walker River	Power and Irrigation	Can 6 28 09	
1138	10 7 08	Nightingale Mining Company	Humboldt River	Power and Irrigation	App 6 30 09	Can 12 15 10
1139	10 7 08	F. M. Duncan, et al.	Springs	Ice	App 3 20 09	
1140	10 7 08	Southern Pacific R. R. Company	Springs	Mining	Can 4 12 10	C
1141	10 9 08	W. M. White, et al.	Springs	Irrigation	App 3 20 09	
1142	10 10 08	Chas. P. Barnum	Springs	Irrigation	App 3 20 09	
1143	10 10 08	McIntyre-Starrett Company	Springs	Irrigation	App 3 20 09	
1144	10 12 08	Wm. K. Eberling	Mines Canyon	Irrigation	App 3 20 09	C
1145	10 14 08	Geo. W. Gwilliam	Springs	Min., mill, and dom.	App 3 20 09	
1146	10 15 08	J. C. Tognoni	Tule Mountain	Irrigation	Can 6 28 09	
1147	10 16 08	Mrs. Nettie Hubbard	Jefferson Creek	Power and milling	Can 6 28 09	
1148	10 17 08	Thomas Wilson	Bird Creek	Power and milling	App 3 20 09	F P 12 30 09
1149	10 19 08	Steploe Valley Smelting and Mining Company	Timber Creek	Power and milling	App 3 20 09	F P 12 30 09
1150	10 22 08	Steploe Valley Smelting and Mining Company	Berry Creek	Power and milling	App 3 20 09	F P 12 30 09
1151	10 22 08	Steploe Valley Smelting and Mining Company	Bottle Creek	Power and mining	App 3 20 09	F P 12 30 09
1152	10 22 08	H. J. Sheafe	Pine Nut Creek	Power, min., milling	Den 9 23 10	Can 6 19 09
1153	10 22 08	Walter E. Trent	Pine Nut Creek	Power, min., milling	Den 9 23 10	
1154	10 23 08	Walter E. Trent	Pine Nut Creek	Power, min., milling	Den 9 23 10	
1155	10 23 08	Walter E. Trent	Pine Nut Creek	Power, min., milling	Den 9 23 10	
1156	10 24 08	J. E. Gilhaugh	Springs	Irrigation, domestic	Can 6 28 09	
1157	10 26 08	Round Mountain Power and Water Company	North Jefferson Creek	Domestic and mining	Can 6 28 09	
1158	10 26 08	Nightingale Mining Company	Spring	Domestic and mining	Can 6 28 09	
1159	10 26 08	Edwin E. Foster	Coshute Creek	Domestic and Irrig	App 3 20 09	
1160	10 28 08	Annie Gregory, et al.	Springs	Mill and placer	App 3 20 09	
1161	10 29 08	Wm. Dunn, et al.	Dunn Springs	Dom., power, Irrig	App 3 20 09	C

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1162	10 30 08	C. H. Barrett	Truckee River	Power	Can 6 28 09	
1163	10 30 08	S. C. McCormack	West Belhellen Gulch	Power, min., mill	App 7 10 09	
1164	11 1 08	W. S. O'Brien	Springs	Mining and milling	App 9 12 10	
1165	11 1 08	W. W. Wishon	Stewart Creek	Mining, milling, etc.	Can 6 28 09	
1166	11 5 08	Joseph C. Tognoni	Springs	Stock and domestic	App 3 20 09	C
1167	11 5 08	Joseph C. Tognoni	Pancake Spring	Stock and domestic	App 3 20 09	C
1168	11 5 08	Joseph C. Tognoni	Springs	Stock and domestic	App 3 20 09	C
1169	11 5 08	Joseph C. Tognoni	Springs	Stock and domestic	App 3 20 09	C
1170	11 5 08	Joseph C. Tognoni	Butte Station Spring	Stock and domestic	App 3 20 09	C
1171	11 5 08	J. T. Concannon, et al.	Water Canyon	Stock and domestic	App 3 20 09	C
1172	11 5 08	W. W. Wishon	Reese River	Mining and milling	App 3 20 09	C
1173	11 5 08	The Cotter Mines Company	Springs	Power	Can 6 28 09	
1174	11 5 08	R. M. Tubb	Fairbanks Spring	Mining and milling	App 3 20 09	C
1175	11 6 08	R. M. Tubb	Springs	Irrigation	Can 6 2 09	
1176	11 6 08	Ralph Christian	Willow Creek	Irrigation	Can 6 28 09	
1177	11 7 08	J. W. Christian	Springs	Irrigation	App 3 20 09	C
1178	11 7 08	Hugh Weal	Troy Creek	Irrigation and mining	App 3 20 09	
1179	11 7 08	Jack Hall	Dun Glen	Irrigation	App 3 20 09	
1180	11 9 08	Charles S. Morris	Springs	Mining, mill and dom.	Can 9 1 10	
1181	11 9 08	Charles S. Morris	Springs	Stock and irrigation	App 3 20 09	
1182	11 10 08	H. A. Holmberg	Current Creek	Mining and milling	App 7 10 09	
1183	11 12 08	E. R. Alfred	Seven Troughs Canyon	Irrigation	App 3 20 09	
1184	11 13 08	W. P. Optyke	Star Creek	Power, mining, etc.	App 3 21 10	
1185	11 13 08	The Michigan and Nevada Mines Company	Shanghai Canyon	Placer	App 3 20 09	
1186	11 14 08	Fred Anderson, et al.	Springs	Mining and power	App 3 20 09	
1187	11 14 08	Anne Gregory, et al.	Indian Springs	Irrigation	Can 4 4 10	
1188	11 16 08	Charles P. Barnum	Snowball Springs	Irrigation	App 3 20 09	
1189	11 17 08	Frank Bowman	Springs	Irrigation	App 3 20 09	
1190	11 19 08	E. A. Worswick	Snowball Springs	Irrigation	App 3 20 09	
1191	11 21 08	Edward Bunker	Springs	Power and domestic	Can 6 28 09	
1192	11 24 08	Nevada Consolidated Mines and Smelting Co.	Rio Virgin River	Irrigation	App 3 20 09	
1193	11 24 08	C. H. A. Garding	Cat Creek	Min, mill and power	App 3 20 09	
1194	11 24 08	John H. Watson, et al.	Springs	Irrigation	App 3 20 09	
1195	11 24 08	F. W. Kelly	Coon Creek	Irrigation	App 3 20 09	C
1196	11 27 08	W. S. O'Brien	Springs	Mining and power	App 3 20 09	
1197	11 27 08	Andrew P. Garberg	Springs	Min, mill and irr.	Den 6 28 09	
1198	11 27 08	Floriston Pulp and Paper Company	Bronco Creek	Flaming and power	App 3 20 09	
1199	11 28 08	A. Scott, et al.	Shady Run Canyon	Irrigation and dom.	App 3 20 09	

REPORT OF STATE ENGINEER

1200	12 2 08	Samuel Davis	Steptoe Creek	Irrigation and dom.	Can 6 28 09	
1201	12 2 08	John C. Munson	Wiseman Creek	Irrigation	App 11 1 09	
1202	12 2 08	John C. Munson	Seneca Weeks Creek	Irrigation	App 11 1 09	
1203	12 3 08	Jos. Armour, et al.	Peterson Springs	Mining and milling	Can 6 29 09	
1204	12 9 08	Thos. L. Mitchell	Hot Springs	Irrigation and dom	Wdn 1 14 09	
1205	12 10 08	C. B. E. St. Claire	Hot Springs	Mining and milling	Can 6 29 09	
1206	12 9 08	Thos. L. Mitchell	Hot Springs	Mining and milling	Wdn 1 16 09	
1207	12 9 08	Thos. L. Mitchell	Hot Springs	Mining and dom	Wdn 1 16 09	
1208	12 11 08	W. F. Branan, et al.	Meadow Valley Wash	Irrigation and dom	App 11 1 09	
1209	12 11 08	John D. McLeod	Twin River	Irrigation and dom	App 7 10 09	
1210	12 14 08	Monitor Reacue Mining Company	Broad Canyon Creek	Mining, milling, etc.	App 7 10 09	
1211	12 16 08	H. N. Dressler, et al.	Kelsey Creek	Mining, milling, etc.	Can 6 29 09	
1212	12 18 08	E. N. Hilliard	Copperhead Creek	Irrigation	App 7 10 09	
1213	12 18 08	Nevada L. and L. Company	Muddy River	Irrigation	Wdn 7 10 09	
1214	12 19 08	Thos. Wilson	Springs	Mining and milling	Wdn 6 21 09	
1215	12 19 08	Henry G. Waller	Amargosa River	Mining and milling	Wdn 7 10 09	
1216	12 21 08	Long Valley L. and D. Company	Denio Creek	Irrigation and dom	App 7 10 09	
1217	12 21 08	Long Valley L. and D. Company	Forty Nine Creek	Irrigation and dom	App 7 10 09	
1218	12 21 08	Garat and Company	Owyhee River	Irrigation and dom	App 7 10 09	
1219	12 21 08	Garat and Company	Owyhee River	Irrigation and dom	App 7 10 09	
1220	12 21 08	Garat and Company	Owyhee River	Irrigation and dom	App 7 10 09	
1221	12 21 08	Garat and Company	Bull Run Creek	Irrigation and dom	App 7 10 09	
1222	12 21 08	E. A. Lincoln	Willow Creek	Mining and milling	Can 6 28 09	
1223	12 21 08	T. J. Cornforth, et al.	Mikes Water	Stock	App 7 10 09	
1224	12 21 08	Thos Dixon	Springs	Mining and domestic	App 7 10 09	
1225	12 22 08	L. J. Maugh	Springs	Irrigation	App 7 10 09	
1226	12 22 08	C. H. Adams	Springs	Irrigation	Den 11 19 10	
1227	12 28 08	C. W. Williams	Springs	Irrigation	Den 11 19 10	
1228	12 28 08	J. R. Tognoni	Springs	Stock and domestic	Den 11 19 10	
1229	12 28 08	J. R. Tognoni	Springs	Irrigation	Den 11 19 10	
1230	12 28 08	J. R. Tognoni	Indian Creek	Irrigation	App 11 1 09	
1231	12 28 08	John Williams	Willow Creek	Irrigation and stock	Can 6 29 09	
1232	12 28 08	John Williams	Springs	Irrigation and stock	App 11 1 09	
1233	12 28 08	S. Rogentine	Corn Creek Springs	Irrigation and stock	Den 12 1 09	
1234	12 28 08	S. W. Green	Gold Run	Mining and domestic	App 7 10 09	
1235	12 28 08	John Brunton	Hader Springs	Mining and domestic	Can 6 29 09	
1236	12 29 08	United Mining Company	Gallagher Slough	Ore reduction	App 11 1 09	
1237	12 29 08	T. L. Mitchell	Alum Creek	Mining and irrigation	Can 6 29 09	
1238	12 31 08	Thore Lima	Chain Creek	Irrigation and stock	App 8 28 09	
1239	1 2 09	McCurdy and Chapman	Humboldt River	Irrigation	Den 12 1 09	
1240	1 4 09	Girard Scharfels	Plute Spring	Mining and milling	App 3 29 09	
1241	1 6 09	Katon and Burt	Main Big Creek	Mining and milling	Den 12 1 09	
1242	1 6 09	R. O. Evans	Red Bluff Springs	Mining and milling	App 7 10 09	
1243	1 7 09	Mrs. Annie Horton	Quinn Canyon	Irrigation and dom.	App 3 20 09	
1244	1 7 09	Mrs. Annie Horton	Quinn Canyon	Irrigation and dom.	App 3 20 09	

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1245	1 8 09	Jacob Hook	Truckee River	Power	App 7 10 09	Can 9 9 10
1246	1 8 09	F. H. Delton	Marble Falls Canyon	Mining and milling	Can 6 29 09	
1247	1 11 09	Henry Heldenrich	Kings Canyon	Power	Wdn 9 28 10	
1248	1 11 09	J. L. Welch			Can 6 29 09	
1249	1 11 09	R. E. Clapp			Wdn 1 26 09	
1250	1 16 09	Geo. Ingram	Truckee River	Power	Can 6 29 09	
1251	1 16 09	J. E. Kolum	Spring	Domestic and mining		
1252	1 16 09	F. B. Rice	Big Timber Springs	Mine and milling		
1253	1 16 09	Thos. L. Mitchell	Stephens Slough	Irrigation	App 11 1 09	
1254	1 16 09	Thos. L. Mitchell	Hot Springs	Ore reduction	App 11 1 09	
1255	1 16 09	Jas. E. Hibbs	Hot Springs	Ore reduction	App 11 1 09	
1256	1 19 09	W. J. Stewart	Bania Springs	Mining and milling	App 11 15 09	
1257	1 19 09	W. G. Caffrey	Kinley Springs	Irrigation	App 7 10 09	
1258	1 20 09	Frank A. Arentz	Truckee River	Power	Can 6 29 09	
1259	1 20 09	Fred L. Gleason	Walker River	Irrigation	App 11 15 09	Can 4 15 10
1260	1 21 09	E. Berryman	Breen Springs	Irrigation	App 11 15 09	
1261	1 21 09	M. Vaccaro	Spring	Stock	App 11 15 09	
1262	1 25 09	J. R. Tognoni	Duckwater Creek	Irrigation and stock	App 11 15 09	
1263	1 25 09	J. Collins	Big Warm Spring	Irrigation and stock	Den 11 19 10	
1264	1 26 09	Nevada-Commonwealth M. and M. Company	Truckee River	Power	Can 4 24 09	
1265	1 27 09	C. J. Kuchel	Pepper Spring	Mill, power, etc.	App 11 15 09	Can 4 15 10
1266	1 27 09	J. B. Menard	Mill Creek	Ore reduction	Can 10 14 09	
1267	1 28 09	M. B. Cross	Slate Creek	Mining and power	App 9 27 09	
1268	1 29 09	Mrs. Annie B. Horton	Willow Spring	Irrigation		
1269	1 29 09	Mrs. Annie B. Horton	Seepage	Stock	App 12 1 09	
1270	1 29 09	Albert Hankins	Carville Creek	Irrigation	App 12 1 09	
1271	1 29 09	Albert Hankins	Smith Creek	Irrigation	App 12 1 09	
1272	1 29 09	Albert Hankins	McCutcheon Creek	Irrigation	App 12 1 09	
1273	1 29 09	Albert Hankins	Hankins Creek	Irrigation	App 12 1 09	
1274	1 29 09	Albert Hankins	Barber Canyon	Mining and milling	App 12 1 09	
1275	1 30 09	Albert Hankins	American Canyon	Mining and milling	Can	
1276	2 2 09	Nabel A. Jackman	Truckee River	Power	Can 10 14 09	
1277	2 2 09	S. A. Walker, et al.	Secret Canyon	Stock		
1278	2 2 09	C. H. Barrett	Blue Eagle Spring	Irrigation	App 12 1 09	
1279	2 4 09	Mrs. Annie Horton	Muddy River	Irrigation	Can 10 14 09	
1280	2 5 09	Muddy Valley Irrigation Company	Spring	Irrigation and stock	App 12 1 09	
1281	2 6 09	M. Brewer	Salmon River	Power and mining		
1282	2 6 09	A. V. Todd				

REPORT OF STATE ENGINEER

1283	2 8 09	Goldfield Consolidated Water Company	Spring	Mining and domestic	App 12 1 09	Can 4 15 10
1284	2 10 09	Alex Borland	Johnson Canyon	Mining and milling	Den 6 28 09	
1285	2 10 09	C. A. Post, et al.	Spring Valley	Mining	Den 6 28 09	
1286	2 10 09	C. A. Post, et al.	Spring Valley	Mining	Can 10 14 09	
1287	2 13 09	C. S. Floyd	Seven Troughs	Mining	App 12 1 09	Can 4 15 10
1288	2 13 09	John E. Alken	Palmetto Creek	Irrigation	App 12 1 09	Can 4 15 10
1289	2 13 09	Mattie T. Alken	Palmetto Creek	Irrigation	App 12 1 09	Can 4 15 10
1290	2 13 09	John E. Alken	Palmetto Creek	Irrigation	Den 10 14 09	Reus 8 1 10
1291	2 16 09	C. H. and W. A. Reinken	Lamolle Creek	Irrigation and dom.	App 12 1 09	Can 8 24 10
1292	2 16 09	V. C. Rackliff	Fish Lake	Irrigation	App 12 1 09	Wdn 11 5 10
1293	2 16 09	Kaiser Livestock Company	Salsbury Creek	Irrigation	App 12 1 09	Wdn 11 5 10
1294	2 16 09	Kaiser Livestock Company	Five Mile Spring	Irrigation and stock	App 12 1 09	Wdn 11 5 10
1295	2 16 09	Kaiser Livestock Company	Four Mile Spring	Irrigation and stock	App 12 1 09	Wdn 11 5 10
1296	2 16 09	Kaiser Livestock Company	Antelope Spring	Irrigation and stock	App 12 1 09	Wdn 11 5 10
1297	2 16 09	F. M. Duncan, et al.	Walker River	Power, irr and dom.	Can 7 1 09	
1298	2 17 09	C. G. Winter	Dorsey Creek	Irrigation	App 12 1 09	
1299	2 17 09	Edward U. McDermott	Talbot Creek	Irrigation	App 12 1 09	
1300	2 18 09	Annie Gregory, et al.	Spring	Mining and milling	Can 10 14 09	
1301	2 18 09	A. R. Maines	Cold Springs	Irrigation		
1302	2 18 09	Monitor Valley L. and C. Company	Box Spring	Stock	App 12 1 09	
1303	2 18 09	Monitor Valley L. and C. Company	Northumberland Spring	Stock	App 12 1 09	
1304	2 18 09	Monitor Valley L. and C. Company	Water Canyon Spring	Stock	App 12 1 09	
1305	2 18 09	Indian Spring Water Company	Indian Spring	Min., mill. and dom.	App 7 10 09	Can 3 21 10
1306	2 18 09	Indian Spring Water Company	Indian Spring	Min., mill. and dom.	App 7 10 09	Can 3 21 10
1307	2 19 09	E. Thomson	Spring	Mining	App 12 1 09	
1308	2 20 09	S. E. Yount	Pinet Creek	Power	App 7 10 09	
1309	2 20 09	Martin Sorenson	Deer Creek	Irrigation	App 5 18 10	
1310	2 23 09	J. H. Rosevear	Black Rock Spring	Stock	App 12 1 09	Can 4 15 10
1311	2 23 09	J. H. Rosevear	Mud Spring	Stock	App 12 1 09	
1312	3 1 09	J. C. Tognoni	Little Warm Spring	Irrigation	App 12 1 09	Can 4 15 10
1313	3 1 09	J. C. Tognoni	Johnson George Spring	Stock and domestic	App 12 1 09	
1314	3 2 09	Wm. T. O'Neil	Salmon River	Stock and irrigation	App 12 1 09	
1315	3 3 09	Nevada Equity Mines Company	Spring	Mining and milling	App 6 3 10	Can 6 3 10
1316	3 13 09	W. F. Dressler	Carson River	Irrigation	App 12 1 09	
1317	3 13 09	W. F. Dressler	Carson River	Irrigation	App 12 1 09	
1318	3 16 09	Pioneer Water Company	Bryan and Crystal Springs	Mining and domestic	App 6 19 09	
1319	3 16 09	Midas Placer Mining Company	Yone Canyon	Mining	App 12 1 09	
1320	3 16 09	Midas Placer Mining Company	Idlewild Canyon	Mining	App 12 1 09	
1321	3 17 09	Giles W. Weller	Overland Creek	Power	Can 10 14 09	
1322	3 18 09	W. J. Bell	Martin Creek	Power	App 12 1 09	
1323	3 23 09	John Siri	Tehama Creek	Irrigation and stock	App 12 1 09	
1324	3 23 09	Jefferson Mining Company	Jefferson Creek	Change, diversion	App 12 1 09	
1325	3 29 09	Jas. P. O'Neil	Salmon River	Irrigation and stock	App 12 1 09	
1326	3 30 09	Jos. Lippman	Black Canyon Creek	Domestic and milling	App 12 1 09	
1327	4 1 09	Ed. F. Kretchner	Brown, Slaughterhouse Crks	Irrigation	App 8 23 09	

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1328	4 1 00	John W. Smith	Clover Valley Wash	Irrigation	App 12 1 00	
1329	4 2 00	Henry G. Wedekind	Rock Quarry Springs	Domestic	App 12 1 00	Can 5 2 10
1330	4 2 00	Henry G. Wedekind	Rock Springs	Domestic	App 12 1 00	Can 5 2 10
1331	4 6 00	Nevada Eldorado Mining Company	Spring	Domestic, mfn, mill	App 12 1 00	Can 12 29 00
1332	4 7 00	A. B. Wither	Humboldt River	Power	Can 10 14 00	
1333	4 10 00	Land Irrigation Company	White River	Irrigation	App 12 1 00	Can 9 30 10
1334	4 10 00	John Fraise	Emigrant Springs	Irrigation		C
1335	4 15 00	Ernest H. Cowling	Dixie Creek	Irrigation, domestic		C
1336	4 16 00	Mrs. Milo Caine	Spring	Irrigation	App 12 1 00	
1337	4 19 00	W. N. Clayton, et al.	Elsworth Canyon	Mining and milling	App 12 1 00	
1338	4 22 00	Edward Reinhart	Clear Creek	Power	App 12 1 00	
1339	4 23 00	C. C. Murray	Virgin River	Irrigation	App 12 1 00	Can 5 2 10
1340	4 26 00	Tum Tum Water Company	Continental Lake	Irrigation	App 12 1 00	
1341	4 26 00	Lucius Laude	Lohman's Canyon	Power	Den 12 1 00	
1342	5 1 00	Chas. Lohman	Muddy River	Mining and milling		C
1343	5 6 00	J. J. Cannon	Springs	Power	App 12 1 00	
1344	5 6 00	Urs V. Perkins	Lapping Canyon	Irrigation	App 12 1 00	Can 5 2 10
1345	5 7 00	C. H. Barrett	Springs	Power	App 12 1 00	
1346	5 8 00	Nevada Central Gold Mining Company	Brooklyn Creek	Milling and domestic	App 12 1 00	Can 5 2 10
1347	5 8 00	Nevada Central Gold Mining Company	Pine Creek	Milling and domestic	App 12 1 00	
1348	5 10 00	Sarnuel Self, et al.	Gold Coin Springs	Power	App 12 1 00	
1349	5 10 00	J. P. Buzanes, et al.	Lamolle Creek	Mining and milling	App 12 1 00	
1350	5 10 00	A. G. McBride, et al.	Springs	Power	App 12 1 00	
1351	5 12 00	F. W. Skall	Lapham Creek	Mfn, dom and stock	App 12 1 00	
1352	5 12 00	Elmer Hanson	Spring	Mfn, mill and power	App 9 22 10	
1353	5 13 00	William A. Strauss	Duckwater	Domestic	App 12 1 00	
1354	5 13 00	Western Development Company	Williams Creek	Irrigation		C
1355	5 15 00	George L. Plummer	Bottle Creek	Power	App 12 1 00	
1356	5 17 00	H. J. Sheafe	Manhattan Gulch	Mining	App 12 1 00	Can 5 2 10
1357	5 20 00	Wolfone Extension Mining Company	Springs	Mining and milling	App 12 1 00	
1358	5 22 00	D. B. Dickerson	Bruneau River	Irrigation and stock		
1359	5 24 00	K. M. Duffield	Springs	Domestic	App 12 1 00	
1360	5 24 00	Elko Water and Light Company	Hamilton Creek	Irrigation	App 12 1 00	
1361	5 24 00	Griswold-Henderson Livestock Company	Big Spring	Irrigation	App 8 23 00	F P 12 10 00
1362	5 24 00	San Pedro, Los Angeles and Salt Lake R. R.	Jefferson Creek	Transportation		
1363	5 24 00	Sierra Power and Water Company	Shoshone Creek	Mining and milling		
1364	5 25 00	A. J. Turbel		Power	App 12 1 00	
1365	5 26 00					

REPORT OF STATE ENGINEER

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1366	5 26 00	Johnnie Mining and Milling Company	Willow Spring	Mining and milling	App 10 14 00	
1367	5 27 00	B. L. Smith	Jefferson Canyon	Domestic and mining		C
1368	5 28 00	William Lamb, et al.	Pabrangat Stream	Irrigation		C
1369	5 28 00	Joseph Kauffman	Sliver Park Gulch	Mining and milling	App 12 1 00	
1370	5 28 00	John Bowen	Bally Spring	Mining and milling	App 12 1 00	
1371	5 29 00	Ernest H. Simmonds	Wild Horas Canyon	Mining and milling	App 12 1 00	Can 1 0 11
1372	5 29 10	Nevada Land and Livestock Company	Muddy River	Irrigation and dom	App 12 1 00	
1373	5 31 00	Elizabeth A. Rodgers	Humboldt River	Irrigation and dom	App 12 1 00	Can 5 2 10
1374	5 31 00	Round Mountain Mining Company	Jefferson Canyon	Milling	App 12 1 00	
1375	6 7 00	Charles E. Bliss	Lehman and Baker Creek	Irrigation		C
1376	6 7 00	John Puttman, et al.	Duport Creek		Can 9 21 10	
1377	6 9 00	William A. Marsh	George's Creek	Mining and milling	App 12 1 00	Can 5 2 10
1378	6 9 00	T. D. Oldfield, et al.	Cave Valley	Irrigation	App 12 1 00	
1379	6 16 00	W. T. Jenkins Company	Ben's Creek	Irrigation and stock	App 9 20 00	F P 4 5 10
1380	6 21 00	Tonepash Exploration Company	Jet Canyon	Power	Can 8 21 00	
1381	6 21 00	C. E. Pearson	Bruneau River	Irrigation	App 9 20 00	Can 4 15 10
1382	6 26 00	Chas. Minolatte	Monte Cristo Springs	Mining and milling		
1383	6 29 00	Wm. H. Gilmer	Camp Creek	Irrigation	App 9 20 00	Can 4 15 10
1384	6 29 00	Watson E. Griffin	Fish Creek	Irrigation	App 9 20 00	Can 4 15 10
1385	7 1 00	Vinyard Land & Stock Company	Salmon River	Irrigation	App 9 20 00	Can 4 15 10
1386	7 1 00	Lewis L. Bradley, et al.	Taber Creek	Irrigation	App 12 1 00	
1387	7 3 00	Emily A. Pence	Polson Creek	Irrigation	App 12 1 00	
1388	7 3 00	Emily A. Pence	Polson Creek	Irrigation	App 12 1 00	
1389	7 7 00	Neils Panleon	Spring	Mining and milling	App 12 1 00	
1390	7 7 00	Robert M. Steele	Honeyman Creek	Irrigation and stock	App 12 1 00	
1391	7 7 00	Western Pacific Railway Company	Springs	Transportation	App 12 1 00	
1392	7 12 00	Verdell Lumber Company	Truckee River	Irrigation	Can 10 14 00	
1393	7 13 00	F. M. Duncan, et al.	Walker River, East	Irrigation	App 12 1 00	
1394	7 14 00	George John Myers	Spring	Irrigation	App 12 1 00	
1395	7 14 00	Thomas L. Mitchell	Callagher Slough	Ore reduction	App 12 1 00	
1396	7 17 00	W. J. Mahoney	Mill Canyon Creek	Mining and milling		C
1397	7 23 00	A. M. Allison	Manhattan Canyon	Mining	App 12 1 00	Can 7 21 10
1398	7 26 00	C. D. Galvin	Humboldt River	Irrigation, domestic	App 12 1 00	
1399	7 30 00	Cotter Mines Company	Hawas Canyon	Mfn, milling, domestic	App 5 3 10	Can 9 1 10
1400	7 30 00	Patrick Clark	Spring	Milling and domestic	App 5 3 10	
1401	7 31 00	Herbert Badt	Willow Creek	Irrigation	App 10 19 00	Can 4 15 10
1402	8 9 00	H. B. Northrop	Burnt and Trout Creeks	Irrigation	App 9 15 10	
1403	8 10 00	Hayden Henderson	South Fork Humboldt River	Mining, milling, power	App 5 3 10	Can 7 3 10
1404	8 13 00	William J. Mahoney	Willow Creek	Irrigation	App 3 31 10	Can 9 3 10
1405	8 14 00	William K. Ebeling	Thousand Creek	Irrigation	Wdn 8 24 10	
1406	8 17 00	Charles J. Perkins	Bruneau River	Mining, power, etc		
1407	8 19 00	William K. Ebeling	Lamolle Creek	Irrigation and stock		
1408	8 30 00	O. J. Streeter, et al.	Boilder Creek	Irrigation and stock		
1409	8 30 00	Mrs. Louisa Sepulveda	Pony Canyon	Mining and milling	App 7 1 10	Can 11 4 10
1410	8 20 00	Austin Manhattan Con. Mining Company			App 5 3 10	

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1411	8 24 06	James H. Marriott	Shingle Creek	Mining and domestic		
1412	8 24 06	W. G. Douglas	Ophir Creek	Power	App 3 2 10	C
1413	8 28 06	Vinyard Land and Stock Company	Hot Springs	Irrigation		
1414	8 30 06	E. L. Fletcher	Muncy Creek	Irrigation	App 11 29 10	C
1415	8 30 06	Pacific Reclamation Company	Treaty Creek	Power	App 7 21 10	
1416	8 30 06	Austin-Manhattan Con. Mining Company	Marshall Canyon	Mn. milling, electrical	Wdn 4 22 10	
1417	8 30 06	C. D. Galvin	Overland Creek	Irrigation and mining	Can 9 7 06	
1418	8 30 06	Frank Pastorino	Spring	Irrigation and mining	App 11 29 10	
1419	8 30 06	George Russell	Ivanhoe Spring	Stock	App 7 21 10	
1420	8 30 06	George Russell	Spring	Stock	App 7 21 10	Can 9 15 10
1421	9 4 06	George Kinney	Mud Spring	Stock		C
1422	9 4 06	George Kinney	Lone Spring	Stock and irrigation	App 3 16 10	
1423	9 7 06	Mrs. Johanna Eisenberg	Adobe Road Canyon	Stock and irrigation	App 11 17 10	
1424	9 7 06	J. H. Withersell	Spring	Mining	App 8 23 10	
1425	9 7 06	Winnemucca Water and Light Company	Spring	Municipal	Can 4 12 10	
1426	9 7 06	William F. Collins	Lewis Creek	Milling	App 9 20 10	Can 1 7 11
1427	9 8 06	Adam Schmitt	Spring	Irrigation	App 12 7 06	Can 4 15 10
1428	9 10 06	Jacob Hook	Truckee River	Power		
1429	9 11 06	A. F. Richards	Rasdale Canyon	Mining, power, dom		
1430	9 14 06	James A. Robson	Spring	Irrigation		
1431	9 15 06	Flanigan Wood and Lumber Company	Hunters Creek	Fluming	App 3 23 10	
1432	9 17 06	Thos. Kearns	Spring	Municipal	App 5 3 10	Can 7 2 10
1433	9 20 06	Grover A. Youngs	Spring	Irrigation	Den 9 19 10	
1434	9 21 06	A. B. Connelly	Humboldt River	Placer	App 9 3 10	Can 9 15 10
1435	9 22 06	Anderson and Duborg	Hunters Creek	Power	App 9 23 10	
1436	9 23 06	Flanigan Wood and Lumber Company	Five-Mile Spring	Irrigation		
1437	9 23 06	N. W. Schofield	Battleman Spring	Irrigation		
1438	9 23 06	N. W. Schofield	Herer Creek	Irrigation		
1439	9 23 06	Geo. W. Byers	Grove Creek	Irrigation		
1440	9 27 06	Helen Braun	Buck, Zonobia, Columbet Crs	Irrigation		
1441	9 27 06	F. H. Winter	Cleveland Creek	Irrigation		
1442	9 27 06	Wm. M. Cunningham	Four-Mile Creek	Power	Can 1 7 11	
1443	9 29 06	Chas. Koby	Cave and Steptoe Creeks	Power, minning, mill	App 9 15 10	
1444	9 30 06	W. J. Mahoney	Spring	Power	App 11 29 10	Can 1 7 11
1445	10 1 06	Carl Leonard	Spring	Railroad, domestic	App 3 16 10	F P 9 21 10
1446	10 4 06	Western Pacific Railroad	Spring	Mining and domestic	Can 4 19 10	
1447	10 6 06	Parker Shipple, et al.	Spring	Railroad, domestic		
1448	10 6 06	Western Pacific Railroad	Spring			

REPORT OF STATE ENGINEER

1449	10 7 06	Wm. M. Rollins, et al.	Walker River	Irrigation		C
1450	10 7 06	Burley and May	Monte Cristo Springs	Stock and domestic	App 6 3 10	Can 1 7 11
1451	10 7 06	H. C. Christensen	Spring	Mining, mill, domestic	App 3 25 10	Can 8 16 10
1452	10 13 06	Western Pacific Railroad Company	Hot Springs	Railroad, domestic	App 12 3 10	
1453	10 13 06	Western Pacific Railroad Company	Double Hot Springs	Railroad, domestic	App 6 3 10	Can 8 16 10
1454	10 14 06	Nevada Treasure Mining Company	Springs	Mining, mill, domestic		
1455	10 14 06	Nevada Treasure Mining Company	Springs	Mining, mill, domestic		
1456	10 14 06	Nevada Treasure Mining Company	Springs	Mining and domestic		
1457	10 14 06	Nevada Treasure Mining Company	Springs	Mining and domestic		
1458	10 14 06	Wm. McKnight	Rasdale Canyon	Mining and domestic		
1459	10 14 06	Arizona Nevada Copper Company	Rosa Spring	Mining and domestic	Can 7 26 10	
1460	10 14 06	Arizona Nevada Copper Company	McBride Spring	Mining and domestic		
1461	10 14 06	Arizona Nevada Copper Company	Lillian Spring	Mining and domestic		
1462	10 15 06	J. L. Robinson	Washoe Lake			
1463	10 15 06	T. W. Weldon	Indian Spring	Irrigation		
1464	10 19 06	The Kaiser Livestock Company	West Spring	Irrigation and stock		
1465	10 20 06	Geo. Kinney	East Creek	Irrigation		
1466	10 20 06	Geo. W. Lewis	Springs	Irrigation		
1467	10 20 06	Henry A. Bordoli	Hooper Canyon	Irrigation		
1468	10 20 06	Ambramo Arigoni	Springs	Irrigation		
1469	10 20 06	John Dornan	Archie Springs	Irrigation		
1470	10 20 06	Isaac Reed	Salmon River	Irrigation		
1471	10 21 06	The Kaiser Livestock Company	Willow Spring	Irrigation	App 5 26 10	
1472	10 21 06	The Kaiser Livestock Company	Mountain Spring	Irrigation and stock		
1473	10 21 06	The Kaiser Livestock Company	La Madre Spring	Irrigation and stock		
1474	10 21 06	John W. Meyers, et al.	Rock Spring	Irrigation and dom		
1475	10 21 06	Truckee River General Electric Company	Truckee River	Power	App 6 25 10	
1476	10 25 06	Paul Regil	Walker River	Irrigation, domestic	App 1 27 10	
1477	10 25 06	Peter Bennett	Springs	Irrigation	App 6 3 10	
1478	10 25 06	O. L. Lay	Springs	Irrigation	App 5 25 10	Can 1 9 11
1479	10 25 06	Orville Hotchkiss	Monchamp Spring	Irrigation and stock		
1480	10 25 06	James D. Finch, et al.	Warm Spring	Mining and milling		
1481	10 26 06	Fred J. Siebert	Horse Thief Spring	Mining, milling, dom		
1482	10 26 06	Golconda Cattle Company	Rock Creek	Irrigation	Can 5 3 10	
1483	10 28 06	Golconda Cattle Company	Spring	Stock	App 7 21 10	
1484	10 28 06	Golconda Cattle Company	Spring	Stock	App 6 28 10	
1485	10 28 06	Golconda Cattle Company	Spring	Stock	App 8 1 10	
1486	10 28 06	Golconda Cattle Company	Spring	Irrigation, dom, min	App 6 28 10	
1487	10 28 06	Golconda Cattle Company	Spring	Irrigation, domestic	Den 8 1 10	
1488	10 28 06	Golconda Cattle Company	Snake Creek Canyon	Irrigation, domestic		
1489	10 28 06	Golconda Cattle Company	Spring	Mining, power		
1490	10 28 06	Alfred Johnson, et al.	Brown, Slaughter House Crks	Irrigation		
1491	10 29 06	Jas. T. Martin	Spring	Mining and domestic		
1492	10 30 06	F. W. Clark	Willow Spring	Stock and irrigation		
1493	11 1 06	The Kaiser Livestock Co.				

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1494	11 1 09	The Kaiser Livestock Co.	Prospect Spring	Stock and irrigation		
1495	11 1 09	The Kaiser Livestock Co.	Big Tree Spring	Stock and irrigation		
1496	11 1 09	The Kaiser Livestock Co.	Little Pine	Stock and irrigation		
1497	11 1 09	The Kaiser Livestock Co.	Wheeler's Well	Stock and irrigation		
1498	11 1 09	The Kaiser Livestock Co.	First Creek Spring	Stock and irrigation		
1499	11 1 09	The Kaiser Livestock Co.	Spring	Stock and irrigation		
1500	11 1 09	The Kaiser Livestock Co.	Mule Spring	Stock and irrigation		
1501	11 1 09	The Kaiser Livestock Co.	Oak Creek	Stock and irrigation		
1502	11 2 09	A. A. Armstrong	Owyhee River	Irrigation		
1503	11 2 09	Claude B. Armstrong	Owyhee River	Power		
1504	11 4 09	Samuel H. Wells, et al.	Muddy River	Irrigation	App 2 1 10.	Can 1 9 11
1505	11 5 09	Robert L. Tucker	Hot Creek Spring	Irrigation	App 11 17 10.	Can 1 9 11
1506	11 5 09	J. P. Loftus, et al.	Amarogosa Basin	Power		
1507	11 6 09	O. L. Lay	Baker Creek	Irrigation		
1508	11 6 09	Geo. H. Tingley	Cleveland Creek	Power		
1509	11 6 09	Geo. H. Tingley	Horse Creek	Changes diversion	App 10 5 10.	
1510	11 6 09	J. B. Dandial	Spring	Irrigation		
1511	11 8 09	Wm. Rutledge, et al.	Mill Creek	Mining and milling	App 5 3 10.	Can 1 9 11
1512	11 8 09	H. C. Christensen	Trout Creek	Mining and power	App 5 3 10.	Can 1 9 11
1513	11 8 09	H. C. Christensen	Corral Creek	Irrigation		
1514	11 8 09	J. L. Lisie	Spring	Mining, milling, dom.		
1515	11 8 09	Nev. Treasure M. Co.	Spring	Mining, milling, dom.		
1516	11 8 09	Nev. Treasure M. Co.	Spring	Mining, milling, dom.		
1517	11 9 09	Dee Clark	Spring	Mining, milling, dom.		
1518	11 15 09	J. W. Shierwan	Spring	Mining and milling	Can	Can 1 9 11
1519	11 15 09	Chas. J. Keegan	Rattlesnake Creek	Stock	App 8 23 10.	
1520	11 15 09	Casten Olsen	Eight Mile Creek	Stock and irrigation		
1521	11 16 09	Roy C. Wilson	Frenchman Canyon	Irrigation		
1522	11 18 09	E. C. Leak	Leonard Creek	Irrigation		
1523	11 18 09	Geo. W. Hanna	Bull Creek	Irrigation		
1524	11 20 09	Frank Bassett	Smith and Cottonwood Creeks	Irrigation		
1525	11 22 09	Ash Meadows Water Company	Antelope Springs	Irrigation		
1526	11 22 09	Ash Meadows Water Company	Spring	Irrig. railroad, mining		
1527	11 22 09	Ash Meadows Water Company	Parrenial Spring	Railroad and mining		
1528	11 22 09	Ash Meadows Water Company	Spring	Railroad and mining		
1529	11 22 09	J. F. Trotter	Lake Tahoe	Power and irrigation	Den 3 25 10.	
1530	11 22 09	John Angell	Van Duzer Creek	Power and irrigation	App 9 15 10.	
1531	11 22 09	T. F. Dunaway	Spring	Power and irrigation	App 11 17 10.	
1532	11 26 09	Albert T. Lay	Warm Spring	Stock		

1532	11 26 09	J. L. Edwards, et al.	Spring	Irrigation		
1533	11 27 09	C. A. Beck	Spring	Irrigation		
1534	11 27 09	Anos R. Hardin	Chimney Creek	Irrigation		
1535	11 29 09	D. H. Allen	Georges Water Spring	Irrigation		
1536	11 29 09	D. H. Allen	Five Mile Spring	Irrigation		
1537	11 29 09	O. K. Reed, et al.	Silver Bow Creek	Irrigation	App 5 18 10.	F P 7 1 10
1538	11 29 09	O. K. Reed, et al.	Hawey Canyon	Irrigation	App 5 18 10.	F P 7 1 10
1539	11 29 09	O. K. Reed, et al.	Shaking Spring	Irrigation	App 5 18 10.	F P 7 1 10
1540	11 29 09	O. K. Reed, et al.	Wild Horse	Irrigation	App 5 18 10.	Can 8 1 10
1541	12 2 09	Kaiser Livestock Company	Big Pine Spring	Irrigation and stock		
1542	12 2 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1543	12 2 09	Kaiser Livestock Company	Wheeler Spring	Irrigation and stock		
1544	12 2 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1545	12 2 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1546	12 2 09	Fred S. Cone, et al.	Little Meadow Creek	Irrigation		
1547	12 6 09	C. L. Broy	Spring	Mining		
1548	12 7 09	Wm. A. Johnson	Tom Cain Creek	Irrigation	App 9 15 10.	
1549	12 7 09	Kaiser Livestock Company	Rose Spring	Irrigation and stock		
1550	12 9 09	Mrs. Eliza A. Burke	Spring Creek	Irrigation and stock	Den 5 25 10.	
1551	12 9 09	Mrs. Flora D. Magee, et al.	Willow Springs	Stock and domestic	App 5 3 10.	Can 11 1 10
1552	12 10 09	Albert Kemble	Willow Springs	Irrigation		
1553	12 10 09	H. C. Schmidt, et al.	Colorado River	Power and mining	App 7 6 10.	
1554	12 14 09	North Star Mining and Milling Company	Jarbridge River	Power and mining		
1555	12 14 09	Overton Mining and Power Company	Muddy River	Milling and power		
1556	12 14 09	Laura G. Lay	Jackson Creek	Irrigation		
1557	12 14 09	Minnie F. Lay	Mary Sloan Creek	Irrigation		
1558	12 16 09	L. F. Detweiler, et al.	Mignel Creek	Irrigation		
1559	12 17 09	P. J. Conway	Browns Springs	Irrigation		
1560	12 20 09	Frederick C. Hummel	East Fork Walker River	Irrigation		
1561	12 24 09	Harris H. Heartwell	Trout Creek	Irrigation and power		
1562	12 24 09	H. C. Jones	Coombe Creek	Irrigation		
1563	12 28 09	Kaiser Livestock Company	East Fork Jarbridge River	Irrigation	App 5 25 10.	
1564	12 29 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1565	12 29 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1566	12 29 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1567	12 29 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1568	12 29 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1569	12 29 09	Kaiser Livestock Company	Spring	Irrigation and stock		
1570	12 31 09	Mrs. Alice E. Ronnow	Underground Waters	Irrigation		
1571	1 3 10	Will E. Hill	Spring	Stock and domestic		
1572	1 3 10	Frederick Hummel	Cedar Creek	Irrigation		
1573	1 6 10	R. O. Evans	Big Creek	Power, mining, mill	App 5 3 10.	Can 1 9 11
1574	1 8 10	C. L. Adams, et al.	Buffalo Slough	Irrigation		
1575	1 12 10	A. R. Watland	Pine Creek	Irrigation and dom.		
1576	1 13 10	L. K. Gregory	Garfield Spring	Mining and domestic		

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1577	1 13 10	Frank Stewart, et al.	McConnell and Buffalo Creeks	Irrigation		
1578	1 18 10	C. T. Kuchel	Crane Creek	Power, mining, dom.	App 8 26 10.	
1579	1 19 10	Frank J. Winzell	Spring	Irrigation, stock, dom.	App 9 24 10.	
1580	1 20 10	Geo. Wallis Dean	Cactus Spring	Irrigation		
1581	1 20 10	C. H. Taylor	Rodwell Creek	Domestic, irrigation	App 5 18 10.	
1582	1 20 10	Frederick T. McGurvin	Roberts Creek	Domestic, irrigation	Can 9 13 10.	
1583	1 20 10	Frederick A. Graham, et al.	Ruby and Franklin Lakes	Domestic, irrigation		
1584	1 24 10	A. R. Hardin	Creeks	Domestic, irrigation		
1585	1 25 10	Mrs. Emily A. Pence	Poison Creek	Domestic, irrigation		
1586	1 25 10	Mrs. Emily A. Pence	Jim Rob Creek	Domestic, irrigation		
1587	1 25 10	Mrs. Emily A. Pence	Spring Creek	Domestic, irrigation		
1588	1 25 10	Mrs. Emily A. Pence	Pole Creek	Domestic, irrigation		
1589	1 27 10	Gen'le George	Wearer, Crow, Cherry Springs	Stock		
1590	1 29 10	DeWitt C. Turner	Subterranean waters	Irrigation, domestic	App 9 24 10.	
1591	1 29 10	Humboldt Cattle Company	McBerritt Creek	Irrigation, domestic		
1592	1 29 10	Humboldt Cattle Company	Willow Creek	Irrigation, domestic		
1593	1 29 10	Humboldt Cattle Company	East Branch Quinn River	Irrigation, domestic		
1594	1 29 10	Humboldt Cattle Company	Fall Creek	Irrigation, domestic		
1595	1 29 10	Humboldt Cattle Company	Horse Creek	Irrigation, domestic		
1596	1 29 10	Humboldt Cattle Company	Rebel Creek	Irrigation, domestic		
1597	1 29 10	Humboldt Cattle Company	Quinn River	Irrigation, domestic		
1598	1 29 10	Humboldt Cattle Company	McConnell Creek	Irrigation, domestic		
1599	1 29 10	Humboldt Cattle Company	Crowley Creek	Irrigation		
1600	1 29 10	Humboldt Cattle Company	Buffalo Creek	Irrigation		
1601	1 31 10	A. Rosenlund	Spring Gulch	Irrigation and dom.	Can 9 15 10	
1602	1 31 10	Eureka Windfall Mining Company	Leiron Spring	Mining and milling	Den 11 18 10.	
1603	2 1 10	B. F. Baker	Queen's Canyon	Irrigation	App 8 20 10.	
1604	2 1 10	Jarbridge-Badger Mining Company	Badger Creek	Power, mining, milling	App 11 18 10	
1605	2 3 10	C. J. Nelson, et al.	Jarbridge River	Power, mining, milling		
1606	2 3 10	Mrs. John Tippett	Warm Spring	Irrigation	App 11 18 10.	
1607	2 3 10	Mrs. John Tippett	Long Spring	Stock		
1608	2 10 10	Ernest Philpot	Veatch Canyon	Irrigation and mining	App 5 3 10.	
1609	2 12 10	Stephen Williams	White River	Mining and power	App 11 18 10	
1610	2 14 10	Ernest H. Burgess	White River	Irrigation	App 6 2 10.	
1611	2 14 10	Muddy Valley Irrigation Company	Muddy River	Power		
1612	2 15 10	Steamboat Canal Company	Truckee River	Irrigation		
1613	2 15 10	B. F. Baker, et al.	Gaillon Canyon	Mining, milling, dom.		
1614	2 15 10	B. F. Baker, et al.	Kayford Canyon	Mining, milling, dom.		

REPORT OF STATE ENGINEER

1615	2 17 10	C. T. Mullins	Hunter Creek	Irrigation	App 9 12 10.	
1616	2 18 10	C. Olen	Onell Spring	Stock	App 11 18 10.	
1617	2 19 10	L. C. Miller	Owybee River	Irrigation and dom.		
1618	2 19 10	Harry Bews	Garden and Dipping Spring	Irrigation and stock		
1619	2 23 10	C. D. Long	Flat Walker River	Irrigation and stock	App 6 3 10.	
1620	2 24 10	Wm. E. Lemley	Flat Creek	Mining and power	App 8 26 10.	
1621	2 26 10	T. H. Fitzgerald	Muddy River	Irrigation		
1622	3 8 10	T. C. Sharpe	Gooseberry Canyon	Irrigation and stock		
1623	3 11 10	G. R. Easley	Jack Creek	Milling		
1624	3 12 10	D. C. Turner	Peavine Creek	Irrigation	Wdn 10 3 10.	
1625	3 16 10	M. C. Gardner, et al.	Trail Canyon	Mining and domestic	App 11 18 10.	
1626	3 16 10	C. J. Lyner	Bull Run Creek	Power and mining	App 11 18 10.	
1627	3 18 10	C. R. Wedertz	Desert Creek	Irrigation	App 11 29 10.	
1628	3 19 10	L. C. Peterman	Castle Creek	Irrigation and dom.		
1629	3 19 10	John Freise	Running Spring	Mining, milling, dom.	App 9 2 10.	Can 1 9 11
1630	3 21 10	Henry Carnes	West Walker River	Irrigation	App 5 19 10.	
1631	3 22 10	Wilson J. Forbes	Secret Creek	Irrigation	App 8 1 10.	
1632	3 23 10	J. F. O'Byrne	Bear Creek	Power and domestic	App 12 16 10	
1633	3 25 10	Thos. Dixon	Spring	Stock		
1634	3 25 10	C. L. Rowe	Lake Canyon	Irrigation and dom.	App 8 21 10	
1635	3 29 10	Herman W. Finck	Trough Canyon	Irrigation and dom.	App 8 1 10	
1636	3 29 10	Fred. W. Lake	Springs	Irrigation and dom.		
1637	3 29 10	De Witt C. Turner	Red Rock Creek	Irrigation and dom.		
1638	3 31 10	Patrick Keegan	Hasset Canyon	Irrigation and stock	App 11 29 10	
1639	3 31 10	L. H. Bartholomew	Lapham Creek	Mining, mill and dom.		
1640	3 31 10	Mrs. Johanna Elainberg	Welch	Irrigation		
1641	3 31 10	K. L. Parker	Stream	Irrigation		
1642	4 2 10	F. J. Hagenbarth	Jarbridge	Mining		
1643	4 2 10	Paul Kippscock	Cottonwood Creek	Mining		
1644	4 4 10	National Mining Company	Eight Mile Creek	Milling and milling	App 10 1 10	
1645	4 5 10	A. I. Barton	Springs	Irrigation and dom.	App 8 26 10	
1646	4 6 10	Francesco Sigartno	Springs	Irrigation and dom.	App 11 29 10	
1647	4 6 10	Wm. Block	Stonehouse Canyon	Mining, milling, dom.	Can 6 30 10	
1648	4 8 10	F. M. Duffield	Jim Bob Creek	Irrigation and dom.		
1649	4 8 10	E. C. McClellan	Thousand Spring Creek	Irrigation	App 8 26 10	
1650	4 9 10	John Holmstrom	Humboldt River	Irrigation	Can 6 9 10	
1651	4 9 10	James D. Finch	Red Canyon Creek	Mining	App 9 2 10	
1652	4 11 10	Emery Buren	Springs	Irrigation		
1653	4 11 10	C. L. Woodward	Sheep Creek	Irrigation		
1654	4 12 10	Henry A. Davis	Jerry Spring	Irrigation		
1655	4 12 10	Thos. H. Fitzgerald	Muddy River	Irrigation		
1656	4 18 10	John Boundy	Springs	Domestic and stock	App 11 29 10	
1657	4 14 10	D. E. Hill	Springs	Irrigation		
1658	4 14 10	Peter Perazzo, et al.	Walker River	Irrigation	App 9 24 10	
1659	4 16 10	W. P. Hensley, et al.	Shack Creek	Irrigation		

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1660	4 16 10	H. B. Mills	Virgin River	Irrigation	App 9 2 10	
1661	4 18 10	Barthol and Hill	Continental Lake	Irrigation	App 11 18 10	
1662	4 18 10	J. W. O'Banion	Red Canyon	Irrigation	App 11 18 10	
1663	4 18 10	J. Cohn	West Walker River	Irrigation	App 11 18 10	
1664	4 20 10	Geo. F. Thompson	Brownie Canyon	Irrigation	App 11 18 10	
1665	4 21 10	Rosetti Georgetti	Mud and Blind Springs	Stock	App 11 18 10	
1666	4 25 10	Chas. A. Green	Bloody Canyon	Irrigation	App 11 18 10	
1667	4 25 10	Wm. M. Hanson	West Carson River	Irrigation	App 11 18 10	
1668	4 27 10	H. H. Lewis	Packer Range Spring	Stock	App 11 18 10	
1669	4 27 10	R. L. Tucker	Cottonwood Spring	Stock	App 11 18 10	
1670	4 27 10	Walker River Power Co.	Walker River (East)	Irrigation	App 11 18 10	
1671	4 29 10	Geo. Wingfield	Humboldt River	Power	App 11 19 10	
1672	4 30 10	Geo. Wingfield	Humboldt River	Mining and domestic	Can 6 30 10	
1673	5 2 10	L. W. Haworth	Humboldt River	Mining and domestic	Den 10 1 10	
1674	5 2 10	F. M. Plank, et al.	Springs	Mining and milling	Can 8 30 10	
1675	5 2 10	C. F. Burton	Humboldt River	Mining and power	Can 7 6 10	
1676	5 2 10	C. F. Burton	Humboldt River	Mining and power	Can 7 6 10	
1677	5 4 10	S. W. Ditch Co.	Lincoln Canyon Creek	Change, diversion	App 11 19 10	
1678	5 5 10	Orson Hindson	Seventy-six Creek	Mining and power	App 11 19 10	
1679	5 5 10	F. W. Linstrom	Carson River	Irrigation	App 9 2 10	
1680	5 7 10	H. D. Allerman	Brubeau River and tributaries	Irrigation	App 11 19 10	
1681	5 9 10	F. M. Durfield	Springs	Stock	App 11 19 10	
1682	5 9 10	W. H. Moffatt	Hayes Canyon Creek	Stock and irrigation	App 11 19 10	
1683	5 9 10	Jas. Devine	Stoney Creek	Irrigation	App 11 19 10	
1684	5 9 10	G. E. Truett	Springs	Irrigation	App 11 19 10	
1685	5 12 10	J. F. Gordon	Centerville Creek	Irrigation	App 11 29 10	
1686	5 13 10	J. H. Labman	Cottonwood Creek	Irrigation	Can 7 17 10	
1687	5 13 10	E. C. McClellan	Rock Creek	Irrigation	Can 7 17 10	
1688	5 14 10	W. G. Boyle	Willow Creek	Irrigation	Can 7 17 10	
1689	5 16 10	T. B. Harriman	Springs	Irrigation	Can 7 17 10	
1690	5 17 10	Nay, L. and L. S. Co.	Tom Cain Creek	Irrigation	Can 7 17 10	
1691	5 17 10	R. C. Wilson	Partlett Creek	Irrigation	Can 7 17 10	
1692	5 17 10	Jonn Dorman	Dorman Spring	Irrigation	Can 7 17 10	
1693	5 18 10	Pedro Itaula	Stag Creek	Irrigation	Can 7 17 10	
1694	5 20 10	Warner Valley Stock Company	Springs	Irrigation	Can 7 17 10	
1695	5 21 10	Matt. Dangelmaier	Quinn River	Irrigation	Can 7 17 10	
1696	5 21 10	F. W. Stall	Springs	Irrigation	Can 7 17 10	
1697	5 23 10	F. W. Stall	Springs	Mining and domestic	Can 7 17 10	

1698	5 28 10	Ambrose Truett	Tom Cain Creek	Irrigation	App 11 29 10	
1699	5 28 10	J. P. Juzanes	Springs	Irrigation	App 11 29 10	
1700	5 24 10	A. H. Barlow	Walker River	Irrigation	App 11 29 10	
1701	5 26 10	T. H. Dalton	Amador Canyon	Ore reduction	App 11 29 10	
1702	5 27 10	C. H. Smith	Springs	Irrigation	App 11 29 10	
1703	6 1 10	Albert Welch	Cottonwood Creek	Irrigation	App 11 29 10	
1704	6 2 10	Geo. W. Watlies	Batha Creek	Irrigation	App 11 29 10	
1705	6 2 10	E. C. McClellan	Humboldt River	Irrigation	App 11 29 10	
1706	6 3 10	Geo. W. Lewis	Blue Spring	Irrigation	App 11 29 10	
1707	6 4 10	Nevada Land and Livestock Company	Current Creek	Irrigation	App 11 29 10	
1708	6 6 10	Buckhorn Mining Company	Willow Creek	Irrigation	App 9 2 10	Can 1 10 11
1709	6 6 10	Wm. H. Dunham	Stepoe Slough	Irrigation	App 11 19 10	
1710	6 8 10	E. E. Fowler, et al.	Lexington Canyon	Irrigation	App 11 19 10	
1711	6 8 10	John Thralls	Burbank Canyon	Irrigation	App 11 19 10	
1712	6 10 10	J. W. O'Banion	Red Canyon	Irrigation	App 11 19 10	
1713	6 10 10	C. B. Halsey	Beaver Creek	Irrigation	App 11 19 10	
1714	6 10 10	C. H. Black	Harder Creek	Irrigation	App 11 19 10	
1715	6 11 10	E. E. Hayes	Boulder Creek	Irrigation	App 11 19 10	
1716	6 11 10	John Crosson	Ackler and Harder Creeks	Irrigation	App 11 19 10	
1717	6 13 10	Wm. Smalley	Ackler and Harder Creeks	Irrigation	App 11 19 10	
1718	6 13 10	W. J. Black	Ackler Creek	Irrigation	App 11 19 10	
1719	6 14 10	E. A. Fritsell	Jacketone Creek	Irrigation	App 11 19 10	
1720	6 14 10	Geo. W. Hatch	Jeff Canyon	Irrigation	App 11 19 10	
1721	6 14 10	Jos. Jeanney	Clover Valley	Irrigation	App 11 19 10	
1722	6 14 10	H. A. Agge	Reed Creek	Irrigation	App 11 19 10	
1723	6 15 10	W. J. Smiley	Six Mile Spring	Stock	App 11 19 10	
1724	6 15 10	C. R. Starkweather	Hansen Spring	Power	App 11 19 10	
1725	6 16 10	Buckhorn Mines Company	Long Valley Spring	Irrigation	App 11 19 10	Wdm 12 8 10
1726	6 16 10	Thos. Larson	Springs	Irrigation	App 11 19 10	
1727	6 17 10	John Zellig	Truckee River	Change, diversion	Wdm 8 16 10	
1728	6 17 10	Truckee River General Electric Company	Willow Creek	Irrigation	Can 8 24 10	
1729	6 20 10	J. C. Weeks	Bull Creek	Irrigation	Can 8 24 10	
1730	6 20 10	R. O. Fink	Fruit Creek	Irrigation	Can 8 24 10	
1731	6 22 10	E. G. Johnson	Fruit Creek	Irrigation	Can 8 24 10	
1732	6 22 10	G. W. Pratt	Reed Creek	Irrigation	Can 8 24 10	
1733	6 24 10	J. W. Weathers, et al.	Boulder Creek	Irrigation	Can 8 24 10	
1734	6 24 10	J. W. Johnson	American Flat	Irrigation	Can 8 24 10	
1735	6 28 10	Melvyn W. Jones	Madalane Spring	Irrigation	Can 8 24 10	
1736	6 30 10	Harry H. Straton	Springs	Irrigation	Can 8 24 10	
1737	6 30 10	T. C. Parker	Little Mammoth Spring	Milling	Can 1 10 11	
1738	7 2 10	Geo. W. DeKerr	Springs	Irrigation	Can 1 10 11	
1739	7 2 10	E. S. Matthews	Springs	Mining and milling	Can 1 10 11	
1740	7 2 10	E. S. Matthews	Springs	Mining and milling	Can 1 10 11	
1741	7 5 10	Nevada Gypsum Company	Wiggins Spring	Domestic and stock	App 9 2 10	F. P. 12 24 10
1742	7 6 10	John W. Allen, et al.	Humboldt River	Irrigation	App 9 2 10	F. P. 12 24 10

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1743	7 6 10	W. W. Weathers, et al.	Ackley Creek	Irrigation		
1744	7 6 10	John M. Riddell	Herder Creek	Irrigation		
1745	7 6 10	Jno. B. Stott, et al.	Granite Springs	Mining and domestic		
1746	7 7 10	Thomas J. Post	Amargosa River	Mining and milling		
1747	7 8 10	Harry Wacker	Willow Creek	Irrigation	App 11 29 10.	
1748	7 11 10	E. H. Hackett	Deer Lodge Canyon	Irrigation	App 12 16 10.	
1749	7 11 10	Jno. B. Stott, et al.	Pilot Peak Spring	Mining and domestic		
1750	7 12 10	Daniel F. Drumbeller	Secret Creek	Irrigation	App 12 19 10.	
1751	7 13 10	Suzie Kimball	Walker River	Irrigation	Can 1 10 11.	
1752	7 14 10	A. H. Barlow	Walker River	Irrigation		
1753	7 15 10	Lucy M. Black	Humboldt River	Irrigation		
1754	7 15 10	E. C. McClellan	Coreys Dam	Mining, irrigation, etc.		
1755	7 18 10	C. D. Galvin	Martin Creek	Irrigation		
1756	7 18 10	D. C. Wheeler	Carpenter Spring	Irrig. mining, milling		
1757	7 18 10	C. D. Galvin	Hilltop Spring	Irrig. mining, milling		
1758	7 19 10	John Breenahan	Willow Creek	Mining, milling, dom.		
1759	7 19 10	M. L. Webster, et al.	Berry Creek	Irrigation		
1760	7 19 10	Goconda Cattle Company	Overland Creek	Ore reduction	App 11 29 10.	
1761	7 20 10	Stephens Valley Smelting and Mining Co.	Secret Creek	Irrigation		
1762	7 23 10	B. G. McBride	Roses Creek	Irrigation		
1763	7 23 10	W. A. Reinkin	Soldier Creek	Irrigation		
1764	7 23 10	Nevada and Eastern Land Company	Tuledad Creek	Irrigation		
1765	7 23 10	Nevada and Eastern Land Company	Secret Creek	Irrigation		
1766	7 23 10	B. F. Lynch, et al.	Deep Creek	Irrigation		
1767	7 23 10	Nevada and Eastern Land Company	Log Springs	Irrigation		
1768	7 28 10	John G. Taylor	National Springs	Irrigation		
1769	7 28 10	J. E. Akin	Rabbit Creek	Irrigation		
1770	7 29 10	Charleston Hill Development Company	Pine Creek	Irrigation		
1771	7 30 10	C. D. Boyd	Goat Ranch Spring	Irrigation		
1772	7 30 10	Jacob Welch	Carson River	Irrigation		
1773	8 1 10	George De Karr	Spring	Irrigation		
1774	8 1 10	Paul Jones	West Walker River	Domestic and stock	App 12 16 10.	
1775	8 1 10	Henry L. Carler	Snow Creek	Irrigation	App 11 29 10.	
1776	8 4 10	Samuel S. Arentz	Adobe Creek	Irrigation		
1777	8 4 10	Edward G. Timm	Snow Creek	Irrigation		
1778	8 4 10	Ondis Gibson	Canyon Creek	Irrigation		
1779	8 5 10	C. S. Tremewan	Honeyman Creek	Irrigation		
1780	8 6 10	Leonard Chase		Irrigation		

REPORT OF STATE ENGINEER

1781	8 6 10	Buckhorn Mines Company	Humboldt River	Mining, milling, power.		
1782	8 9 10	Jumbo Mining and Milling Company	Gampbell Spring	Mining, milling, dom.		
1783	8 12 10	Bradford Leavitt	Maggie Creek	Irrigation		
1784	8 12 10	Bradford Leavitt	Pie Creek	Irrigation		
1785	8 13 10	Tony Longaro	Spring	Irrigation, min, power	App 11 29 10.	
1786	8 13 10	Geo. B. Haggood	Truckee River	Change of diversion	App 11 15 10.	
1787	8 16 10	Truckee River General Electric Company	Star Creek	Irrigation		
1788	8 17 10	C. Z. Harris	Boulder Creek	Irrigation		
1789	8 18 10	C. Z. Harris	Hankins Creek	Irrigation	Can 10 31 10.	
1790	8 18 10	W. A. Reinkin	Cave Creek	Irrigation	Wdm 10 4 10.	
1791	8 18 10	S. L. Wines	Robinson Creek	Irrigation	Can 10 31 10.	
1792	8 18 10	S. L. Wines	Sheep Creek	Irrigation		
1793	8 18 10	C. J. Perkins	Pole Creek	Irrigation		
1794	8 18 10	C. J. Perkins	Bruneau River	Irrigation		
1795	8 18 10	C. J. Perkins	Cherry Creek	Irrigation		
1796	8 18 10	C. J. Perkins	Bruneau River	Irrigation		
1797	8 18 10	C. J. Perkins	Spring Creek	Irrigation		
1798	8 18 10	C. J. Perkins	Humboldt River	Irrigation		
1799	8 18 10	E. C. McClellan	Mary's River	Irrigation		
1800	8 19 10	E. C. McClellan	I. Wiseman Creek	Irrigation		
1801	8 22 10	I. F. Wiseman	Spring	Irrigation		
1802	8 22 10	S. A. Angell	Rock Creek	Irrigation		
1803	8 23 10	Goconda Cattle Company	Secret Valley	Irrigation		
1804	8 24 10	E. C. McClellan	Corral Canyon	Irrigation		
1805	8 25 10	Geo. Brebe	Ragada Canyon	Ore reduction.		
1806	8 24 10	Wm. McKnight	Blahop Creek	Irrigation	App 11 30 10.	
1807	9 1 10	Pacific Reclamation Company	Burnt Creek	Irrigation	App 11 30 10.	
1808	9 1 10	Pacific Reclamation Company	Trout Creek	Irrigation		
1809	9 1 10	Pacific Reclamation Company	Spring Creek	Irrigation	App 11 30 10.	
1810	9 1 10	W. W. Wells	Rathesnahe Spring	Irrigation, min, dom		
1811	9 5 10	Nevada State Board of Prison Commission	Clear Creek	Irrigation, domestic		
1812	9 7 10	Geo. L. Whitney	Whitney Spring	Irrigation, domestic		
1813	9 7 10	Geo. L. Whitney	West Walker River	Irrigation, domestic		
1814	9 10 10	Smith Valley Land Company	Washington Creek	Power, mining, mill	Can 11 12 10.	
1815	9 12 10	L. A. Werner	Pie Creek	Irrigation		
1816	9 12 10	Christine Glaser	Springs	Mining		
1817	9 12 10	Comet Placer Mining Company	Cottonwood Creek	Irrigation, domestic		
1818	9 14 10	D. C. Wheeler	Cedar Creek	Irrigation, domestic		
1819	9 14 10	J. R. Newran	Mathias Spring	Stock and irrigation		
1820	9 14 10	L. L. Hudson	Heath Spring	Stock and irrigation		
1821	9 14 10	L. L. Hudson	Carpenter Spring	Stock and irrigation		
1822	9 14 10	L. L. Hudson	Hill Murray Spring	Stock and irrigation		
1823	9 14 10	L. L. Hudson	John Baskins Spring	Stock and irrigation		
1824	9 14 10	L. L. Hudson	McComblakey Spring	Stock and irrigation		
1825	9 14 10	L. L. Hudson		Stock and irrigation		

REPORT OF STATE ENGINEER

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1826	9 14 10	L. L. Hudson	Hall Spring	Stock and irrigation		
1827	9 17 10	Geo. A. Bain	Spring	Stock and irrigation		
1828	9 19 10	J. R. Newman	Bull Camp Creek	Irrigation, domestic		
1829	9 19 10	J. R. Newman	Willow Creek	Irrigation, domestic		
1830	9 20 10	L. Q. Bedmark	Calawa Spring	Stock and domestic		
1831	9 23 10	Griawold-Henderson Livestock Company	Griswold Lake	Irrigation and stock	Can 12 9 10	
1832	9 24 10	W. J. Forbee, et al.	Heels Fly Creek	Irrigation, domestic		
1833	9 28 10	Millard T. Collins	Goshute Lake	Irrigation, domestic		
1834	9 28 10	J. E. Thornbrin	Eldorado Creek	Power and milling		
1835	9 30 10	Huckhorn Mines Company	Humboldt River	Power, mining, etc.		
1836	10 3 10	Wm. H. Earl	Peavine Creek	Irrigation		
1837	10 4 10	Mary J. Henry	Deering Creek	Irrigation, domestic		
1838	10 5 10	E. C. McClellan	Marys River	Irrigation, domestic		
1839	10 5 10	E. C. McClellan	Hanks Creek	Irrigation, domestic		
1840	10 8 10	D. A. Brown	Spring	Irrigation and mining		
1841	10 13 10	Grover F. West	Allegany Creek	Irrigation and mining		
1842	10 13 10	Grover F. West	Oryzhee River	Irrigation	Can 12 9 10	
1843	10 13 10	Albert W. Gobie, Jr.	Well X	Stock and domestic		
1844	10 15 10	Guy O. Wimer	Spring	Irrigation, domestic		
1845	10 15 10	Milton M. Garrett	Magpie Creek	Irrigation, domestic		
1846	10 17 10	H. C. Christensen	Willow Creek	Mining and milling		
1847	10 18 10	Richard A. Morley	Starr Creek	Irrigation, domestic		
1848	10 18 10	Nevada and Eastern Land Company	Jack Creek	Irrigation, domestic		
1849	10 18 10	Nevada and Eastern Land Company	Springs	Irrigation, domestic		
1850	10 19 10	John Churchfield	Clover Valley	Mining and milling		
1851	10 19 10	R. B. Stevenson, et al.	Little High Rock Creek	Irrigation		
1852	10 21 10	Fred J. Hallock	Johnson Creek	Irrigation, domestic		
1853	10 24 10	Jas. P. Sprunt, et al.	Ingalls Canyon	Irrigation		
1854	10 24 10	E. C. Wood	Indian Creek	Irrigation		
1855	10 25 10	Wm. C. Savage	Cottonwood Creek	Irrigation		
1856	10 27 10	Nevada Land and Stock Company	Gantz Creek	Irrigation		
1857	10 27 10	Nevada Land and Stock Company	White River	Irrigation, domestic		
1858	10 28 10	Nevada Land and Stock Company	Preston Spring	Irrigation, domestic		
1859	10 29 10	A. R. Whitehead	Jakes Valley Wash	Irrigation, domestic		
1860	10 29 10	Christensen Hermansen	Williams Creek	Power, min., mill.		
1861	11 1 10	Thomas M. McCabe	Humboldt River	Irrigation, domestic		
1862	11 2 10					
1863	11 3 10	E. C. McClellan				

REPORT OF STATE ENGINEER

1864	11 3 10	E. C. McClellan	Humboldt River	Irrigation, domestic		
1865	11 3 10	Pacific Fruit Express Company	Maggie Creek	Ice making		
1866	11 9 10	J. W. Adams, et al.	Skeoee Slough	Irrigation		
1867	11 9 10	Truett Land and Live Stock Company	Tea Creek	Irrigation		
1868	11 10 10	L. N. Carpenter	Humboldt River	Change diversion		
1869	11 10 10	E. A. Rodgers	Humboldt River	Change diversion		
1870	11 10 10	Geo. B. Dixon, et al.	Humboldt River	Change diversion		
1871	11 10 10	John Hickson	Ackerman Spring	Irrigation and stock		
1872	11 10 10	D. A. Henrie	Cottonwood Spring	Irrigation and stock		
1873	11 10 10	D. A. Henrie	Tule Spring	Irrigation and stock		
1874	11 14 10	S. Maples	Trout Creek	Irrigation and stock		
1875	11 14 10	L. L. Hudson	Nancy Spring	Irrigation and stock		
1876	11 14 10	L. L. Hudson	Tom Swayne Spring	Irrigation and stock		
1877	11 14 10	L. L. Hudson	Della Spring	Irrigation and stock		
1878	11 14 10	L. L. Hudson	Bill Rae Spring	Irrigation and stock		
1879	11 14 10	L. L. Hudson	Dora Spring	Stock		
1880	11 15 10	Minnie F. Lay	Spring	Stock and irrigation		
1881	11 15 10	Long Valley Land and Development Company	Denio Creek	Irrigation		
1882	11 18 10	H. R. Wells, et al.	Pradsham Spring	Irrigation and dom.		
1883	11 21 10	Wm. H. Glimmer, et al.	Chapp Creek	Mining and domestic		
1884	11 21 10	Wm. H. Glimmer, et al.	Chapp Creek	Irrigation		
1885	11 21 10	Walker M. Giltner	Chapp Creek	Irrigation		
1886	11 21 10	Ernie G. Dickson	Camp Creek	Irrigation		
1887	11 22 10	Ernie G. Dickson	Red Rock Creek	Irrigation		
1888	11 22 10	American Section Company	Wall Canyon Creek	Irrigation		
1889	11 22 10	American Section Company	Lost Creek	Irrigation		
1890	11 22 10	American Section Company	Eye Patch Creek	Irrigation		
1891	11 22 10	American Section Company	Fuled Creek	Irrigation		
1892	11 23 10	C. G. Patrick	Pigeon Spring	Irr., min., mill. etc.		
1893	11 26 10	Carey Act Reclamation Association	Mary's River	Irrigation		
1894	11 26 10	Nellie M. Lamb, et al.	Spanish Basin	Irrigation		
1895	11 26 10	Nellie M. Lamb, et al.	Spring	Irrigation		
1896	11 29 10	E. J. Delano, et al.	Franklin River	Irrigation		
1897	12 1 10	B. G. McBride	Creeks	Irrigation		
1898	12 1 10	L. F. Cogswell	Mammoth Spring	Min. mill. and dom.		
1899	12 3 10	Goldfield Consolidated Water Company	Basin Spring	Stock and domestic		
1900	12 7 10	John Yelland	Cottonwood Spring	Stock and domestic		
1901	12 7 10	John Yelland	Jaridge River	Stock and power		
1902	12 14 10	Gold Pebble Association	Jack Creek	Mining and power		
1903	12 14 10	Gold Pebble Association	Deer Creek	Mining and power		
1904	12 14 10	Gold Pebble Association	Rock Creek	Irrigation and dom.		
1905	12 14 10	W. T. Jenkins Company	Franklin River	Irrigation and dom.		
1906	12 15 10	J. W. Fox	Walker River	Irrigation		
1907	12 15 10	P. J. Conway	Walker River	Power		
1908	12 15 10	P. J. Conway				

APPLICATIONS FOR WATER RIGHTS—Continued

Serial	Date of filing	Applicant	Source	Purpose	Action on application	Action on permit
1909	12 16 10	Wm. Hansen	Mott Slough	Irrigation		
1910	12 17 10	Grover A. Youngs	Hillier Canyon	Irrigation and dom		
1911	12 17 10	Grover A. Youngs	Sand Creek	Irrigation and dom		
1912	12 20 10	W. S. Hill	Walker River	Irrigation and dom		
1913	12 23 10	Ferry McDaniel	Jarbridge Creek	Power, min and mill		
1914	12 24 10	Walker Indian Reservation, S.W. Pugh, Supt.	Chicken Creek	Irrigation		
1915	12 27 10	Jarbridge Paviak Mining Company	Silver Zone Creek	Min, mill and dom		
1916	12 27 10	Jos. H. Paleni	Lehman Creek	Power		
1917	12 27 10	Nick Del Duke, et al.	Creek	Irrigation		
1918	12 28 10	A. L. Halght	Forty Nine Creek	Irrigation and dom		
1919	12 29 10	Horner E. Winters	Bull Creek	Irrigation and dom		
1920	12 30 10	Lewis C. Dolley		Irrigation and dom		
1921	12 30 10	Lewis C. Dolley		Irrigation and dom		

Note: The abbreviations in the foregoing table are:
 App. Approved; Den. Denied; Can. Cancelled; Wdn. Withdrawn by applicant; Cer., Certificate of appropriation; C. Held for cancellation pending the filing of proofs; Refn. Reinstated.

Held for cancellation pending the filing

APPLICATIONS FILED—1909-1910

1909			1910		
Month	Serial numbers	Total	Month	Serial numbers	Total
January	1239 to 1276	37	January	1571 to 1604	33
February	1276 to 1312	36	February	1604 to 1622	18
March	1312 to 1327	15	March	1622 to 1642	20
April	1327 to 1342	15	April	1642 to 1673	31
May	1342 to 1375	33	May	1673 to 1703	30
June	1375 to 1385	10	June	1703 to 1738	35
July	1385 to 1402	17	July	1738 to 1773	35
August	1402 to 1421	19	August	1773 to 1807	34
September	1421 to 1445	24	September	1807 to 1836	29
October	1445 to 1493	48	October	1836 to 1861	25
November	1493 to 1541	48	November	1861 to 1897	36
December	1541 to 1571	31	December	1897 to 1921	24
Total		333	Total		350

APPLICATIONS PROTESTED DURING 1909 AND 1910

See Table No. 1 for information regarding action upon each application.

No.	Date	Name of protestant	Name of applicant	Source
1247	2 2 09	M. A. Murphy	Henry Heidenreich	Kings Canyon
1268	2 19 09	W. T. Jenkins Co.	M. E. Cross	Slate Creek
1276	3 13 09	Midas Mining Co.	S. A. Walker, et al.	American Canyon
1278	4 12 09	Bertrand Mining Co.	P. Paroni, et al.	Secret Canyon
1283	4 29 09	L. E. Campbell	Goldfield Con. W. Co.	Springs
1285	3 9 09	Patrick Reilly	C. A. Post, et al.	Stream
1285	4 14 09	Cheney, Massey & Price	C. A. Post, et al.	Stream
1285	3 9 09	Patrick Reilly	C. A. Post, et al.	Stream
1286	4 14 09	Cheney, Massey & Price	C. A. Parker, et al.	Springs
1290	6 23 09	Edward B. Lytton	E. U. McDermitt	Talbot Creek
1301	4 8 09	P. L. Smith	A. R. Maines	Cold Spring
1316	7 8 09	H. H. Springmeyer	W. F. Dressler	Carson River
848	4 10 09	J. R. Ferry	W. E. Hill	Moffat Springs
1295	4 10 09	S. E. Streiff	Kaiser L. S. Company	Four Mile Springs
1300	5 31 09	Frank H. Winters	F. M. Duffield, et al.	Bruneau Mts.
1324	5 3 10	B. L. Smith	Jefferson Mining Co.	Jefferson Creek
1324	5 17 09	J. F. Stebbins		
1357	6 19 09	Clara Herschel	H. J. Sheate	Bottle Creek
1367	6 23 09	J. S. Wood	B. L. Smith	Springs
1334	7 6 09	W. E. F. Deal	John Freise	Emigrant Springs
1374	7 26 09	Key Pittman	Round Mt. Mining Co.	Jefferson Creek
1380	8 5 09	Walter H. Dobbs	W. T. Jenkins	Bens Creek
1340	9 4 09	Wm. K. Ebeling	Tum Tum Water Co.	Continental Lake
1397	9 27 09	J. B. Menardi	W. J. Mahoney	Mill Canyon
1407	9 23 09	E. H. Winter	C. J. Perkins	
1425	10 8 09	Thos. Nelson	Winnemucca W & L Co.	Thomas Creek
1426	10 18 09	W. T. Jenkins Company	Wm. F. Collins	Bens Creek
1402	10 20 09	H. A. Comins	H. Byrd Northrup	Willow Creek
1439	11 13 09	John M. Riddle	Geo. W. Byers	Herder Creek
1439	11 3 09	John Crosson	Geo. W. Byers	Herder Creek
1439	11 17 09	Wm. Smiley	Geo. W. Byers	Herder Creek
1445	11 29 09	W. B. Graham	Carl Leonardt	Cave Creek
1490	12 1 09	Geo. W. Gonder, et al.	A. Johnson, et al.	Snake Creek
1513	12 1 09	Walter Dobbs, et al.	H. C. Christensen	Trout Creek
1486	12 2 09	John G. Taylor	Golconda Cattle Co.	Fraser Creek
1482	11 26 10	E. C. McClellan	Golconda Cattle Co.	Rock Creek
1492	12 2 09	Riverside Ranch Company	Golconda Cattle Co.	Rock Creek
1459	12 4 09	Florina Sarries	Ariz.-Nev. Copper Co.	Rosa Springs
1471	12 7 09	Lincoln Stone Company	Kaiser Live Stock Co.	Willow Creek
1469	12 9 09	Adams and McGill	John Dornan	Archie Springs
1508	12 16 09	Jas. H. Marriott	Geo. H. Tingley	Baker Creek
1484	12 17 09	John G. Taylor	Golconda Cattle Co.	Buffalo Creek
1488	12 22 09	E. L. Dutertre, et al.	Golconda Cattle Co.	Rock Creek
1512	1 5 10	W. T. Jenkins Company	H. C. Christensen	Mill Creek
1512	1 3 10	E. H. Childress	H. C. Christensen	Mill Creek
1480	1 3 10	H. F. Dangberg	J. D. Finch	Warm Springs

REPORT OF STATE ENGINEER

PROTESTED APPLICATIONS—Continued

No.	Date	Name of protestant	Name of applicant	Source
1474	1 4 10	J. W. Adams	J. W. Myers	Rock Springs
1536	1 4 10	J. W. Adams	D. H. Allen	Five Mile Springs
1447	1 7 10	Wm. Ashton	P. Shipple	Spring
1463	1 19 10	J. A. Hyde	T. W. Welden	Indian Springs
1525	1 20 10	J. P. Loftus, et al.	Ash Meadows W. Co.	Spring
1528	1 20 10	J. P. Loftus, et al.	Ash Meadows W. Co.	Spring
1527	1 20 10	J. P. Loftus, et al.	Ash Meadows W. Co.	Spring
1542	1 24 10	Chas. A. Beck	Kaiser L. S. Company	Spring
1561	2 15 10	Geo. W. Nelson	F. C. Hummel	Trout Creek
1561	1 31 10	Geo. W. Nelson	F. C. Hummel	Trout Creek
1572	2 15 10	Geo. W. Nelson	F. C. Hummel	Cedar Creek
1572	1 31 10	Geo. W. Nelson	F. C. Hummel	Cedar Creek
1562	2 14 10	Adams and McGill	H. H. Hartwell	Combe Creek
1581	2 16 10	M. Jacobson, et al.	C. H. Taylor	Rodwell Creek
1528	2 25 10	Reno P. L. and W. Company	J. F. Trotter	Lake Tahoe
1528	2 25 10	Truckee River Genl. Elec. Co.	J. F. Trotter	Lake Tahoe
1528	2 25 10	Washoe Power & Devel. Co.	J. F. Trotter	Lake Tahoe
1565	2 28 10	B. F. Bonelli	Kaiser L. S. Company	Rose Bush Springs
1566	2 28 10	B. F. Bonelli	Kaiser L. S. Company	Mormon Well
1464	3 3 10	Emil Miller	Kaiser L. S. Company	West Springs
1610	3 5 10	Adams and McGill	E. H. Burgess	White River
1568	3 10 10	Thos. F. Minor	Humboldt Cattle Co.	McConnell Creek
1600	3 10 10	Thos. F. Minor	Humboldt Cattle Co.	Buffalo Creek
1607	3 12 10	Harry Bews	Mrs. John Tippett	Long Creek
1608	3 28 10	John H. Johnston	E. Philpot	Veach Canyon
1612	4 11 10	Reno P. L. and W. Company	Steamboat Canal Co.	Truckee River
1612	4 11 10	Truckee Genl. Elec. Co.	Steamboat Canal Co.	Truckee River
1612	4 11 10	Washoe Power & Devel. Co.	Steamboat Canal Co.	Truckee River
1615	4 18 10	Hunter Creek Water Co.	C. T. Mullins	Hunter Creek
1647	5 5 10	P. N. Marker	Wm. Block	Stonehouse Creek
1654	5 16 10	M. Badt and Company	H. A. Davis	Jerry Springs
1609	5 16 10	W. H. Rickman	Stephen Williams	White River
1677	6 4 10	Old Channel Ditch Company	S. W. Ditch Co., et al.	Humboldt River
1677	6 2 10	S. R. Young	S. W. Ditch Co., et al.	Humboldt River
1655	6 10 10	Muddy Valley Irrigation Co.	Thos. H. Fitzgerald	Wells
1655	6 4 10	Nevada L. and L. S. Co.	Thos. H. Fitzgerald	Wells
1668	8 5 10	J. C. Riordan	H. H. Lewis	Parker Range Spr.
1668	6 8 10	R. L. Ruppe	H. H. Lewis	Parker Range Spr.
1604	6 27 10	Adams and McGill	Geo. W. Walles	Batha Creek
1686	6 29 10	H. L. Seigel	J. F. Gordon	Centerville Creek
1686	6 30 10	Adams and McGill	J. F. Gordon	Centerville Creek
1709	7 7 10	W. D. Campbell	W. H. Dunham, et al.	Steptoe Slough
1697	7 26 10	L. G. Campbell	Frank W. Stall	Spring
1697	7 16 10	W. Vir. Nat. M. Co.	Frank W. Stall	Spring
1649	8 3 10	Vineyard Land & S. Co.	E. C. McClellan	Spring
1699	8 5 10	J. C. Riordan	K. L. Tucker	Cottonwood Spring
1706	8 5 10	J. C. Riordan	Geo. W. Lewis	Spring
1719	8 19 10	Chas. W. Clubine	E. A. Frissell	Coal Mine Canyon
1739	8 24 10	H. Tower, et al.	E. S. Mathews	Spring
1740	9 5 10	H. D. Fearst	E. S. Mathews	Spring
1740	8 24 10	H. Tower, et al.	E. S. Mathews	Spring
1787	8 27 10	Steamboat Canal Co.	Truckee Riv. Genl. Co.	Truckee River
1779	9 8 10	Richard C. O'Neill	C. S. Tremewan	Canyon Creek
1746	9 14 10	W. D. Laughton	Thos. I. Post	Amargosa River
1715	9 22 10	I. Griswold	E. E. Hays	Boulder Creek
1789	9 22 10	I. Griswold	C. Z. Harris	Boulder Creek
1789	9 22 10	S. McMullen	C. Z. Harris	Boulder Creek
1789	9 22 10	W. W. Weathers	C. Z. Harris	Boulder Creek
1768	9 22 10	P. S. Indart	John G. Taylor	Deep Creek
1768	9 27 10	P. Garat	John G. Taylor	Deep Creek
1768	10 6 10	Buckhorn M. Co.	John G. Taylor	Deep Creek
1799	10 1 10	Thos. Hunter	E. C. McClellan	Dixie Creek
1788	10 17 10	Nevada and Eastern L. Co.	E. C. McClellan	Dixie Creek
1788	10 31 10	S. McMullen	C. Z. Harris	Star Creek
1763	10 3 10	Nevada and Eastern L. Co.	W. A. Reinkin	Secret Creek
1767	10 11 10	W. A. Reinkin	Nev. and Eastern L. Co.	Secret Creek
1688	10 14 10	Nixon-Lee Cattle Co.	E. C. McClellan	Rock Creek
1688	10 12 10	Nixon-Lee Cattle Co.	E. C. McClellan	Rock Creek
1688	10 12 10	Lovelock Land and Dev. Co.	E. C. McClellan	Rock Creek
1688	10 14 10	Lovelock Land and Dev. Co.	E. C. McClellan	Rock Creek

REPORT OF STATE ENGINEER

PROTESTED APPLICATIONS—Continued

No.	Date	Name of protestant	Name of applicant	Source
1803	10 12 10	Nixon-Lee Cattle Co.	Gol. Cattle Company	Rock Creek
1803	10 14 10	Nixon-Lee Cattle Co.	Gol. Cattle Company	Rock Creek
1803	10 12 10	Lovelock Land and Dev. Co.	Gol. Cattle Company	Rock Creek
1803	10 14 10	Lovelock Land and Dev. Co.	Gol. Cattle Company	Rock Creek
1800	10 27 10	Jay H. Clemons	E. C. McClellan	Marys River
1784	11 3 10	Guy Saval	Bradford Leavitt	Pie Creek
1784	10 27 10	Alexander H. Weiland	Bradford Leavitt	Pie Creek
1809	10 27 10	B. B. Wilkins	Pacific Reclamation Co.	Trout Creek
1804	11 7 10	W. A. Reinken	E. C. McClellan	Secret Valley Creek
1866	12 15 10	William Young, et al.	Adams and McGill	Steptoe Slough
1866	12 14 10	P. Salvi	Adams and McGill	Steptoe Slough
1866	11 27 10	F. B. Rice	Adams and McGill	Steptoe Slough
1858	12 2 10	Nevada L. and L. S. Co.	E. C. McClellan	Marys River
1839	12 2 10	Nevada L. and L. S. Co.	E. C. McClellan	Hanks Creek
1874	12 12 10	C. H. Rand	S. Mapes	Trout Creek
1864	12 16 10	McIntyre-Starrett Co., et al.	E. C. McClellan	Humboldt River
1835	12 27 10	E. C. McClellan	Buckhorn Mines Co.	Humboldt River

No.	Date	Name	Source	Quantity— Second-foot	Purpose	Serial No.
622	5 29 07	Wm. O'Bain	Spring and well.	1/4 acre	Irrigation.	01011
623	9 14 07	F. I. Dwight and C. F. Bowen	Amargosa River	1.00	Mining, milling and dom.	20
624	9 14 07	P. L. Smith	Gold Creek	7.00	Irrigation and domestic	167
625	9 14 07	J. A. Byrne	Willow Creek	3.00	Power	320
626	9 14 07	D. G. Doubleday	Tiger and other springs.	20.00	Mining, milling and dom.	283
627	9 14 07	S. A. and E. P. Walker	Grapevine and other springs	20.00	Mining, milling and dom.	284
628	12 28 07	W. D. Lawton	Bull Run Creek	10.00	Mining, milling and dom.	42
629	1 20 08	Amargosa River	Amargosa River	10.00	Mining, milling and dom.	24
630	2 15 08	Robert L. Harper	Springs	2.00	Irrigation, dom. and min.	154
631	2 15 08	Robert L. Harper	Lake (underground)	10.00	Irrigation, dom. and min.	316
632	2 15 08	Robert L. Harper	Springs	2.00	Irrigation, dom. and min.	43
633	2 15 08	Robert L. Harper	Springs	2.00	Irrigation, dom. and min.	680
634	2 15 08	Callente and Pioche Railway	Condor Canyon	.25	Transportation	686
635	2 26 08	Jos. L. Giroux	Willow Springs	1.00	Mining and domestic	0253
636	3 20 08	J. H. Avarrett	Muddy River	4 acres	Irrigation	0253
637	4 2 08	Jos. P. Martin	Spring	1.00	Mining and domestic	91
638	4 2 08	John Melvin	Hot Springs	3.00	Domestic	123
639	4 2 08	A. L. Lidwell	Springs	2.00	Domestic	270
640	4 2 08	A. L. Lidwell	Springs	2.00	Irrigation, min. and mill.	268
641	4 7 08	E. W. Walter	Indian Joe Spring	5.00	Irrigation, min. and mill.	142
642	4 10 08	W. D. Campbell	Springs	2.50	Domestic, min. and mill.	229
643	5 2 08	Chas. G. Patrick	First, Second and Third Creeks	10.00	Irrigation, min. and mill.	585
644	5 2 08	Chas. G. Patrick	Springs	10.00	Domestic, min. and mill.	585
645	5 27 08	Tip Top Water Company	Barber Canyon	Total flow	Domestic, min. and mill.	0721
646	6 17 08	W. N. McGill	Water Canyon	10.00	Stock	90
647	6 17 08	W. N. McGill	Water Canyon	10.00	Irrigation and power	313
648	6 17 08	W. D. Campbell	Steptoe Slough	2.00	Domestic, min. and mill.	327
649	6 17 08	W. C. Savage	Burnt Canyon	4.00	Domestic, min. and mill.	343
650	6 17 08	Geo. G. Davis	Springs	4.00	Domestic, min. and mill.	586
651	6 17 08	W. N. McGill	Schoolhouse Springs	5.00	Irrigation	642
652	6 17 08	E. B. and J. L. Rice	Springs	1.00	Domestic	27
653	6 22 08	C. G. Patrick	Springs	1.00	Domestic	465
654	6 22 08	Clayton V. Smith	Potosi Springs	1.00	Domestic, mining, Irr.	01012
655	8 28 08	John K. Smith	Youngs Canyon	21 acre-feet	Irrigation	0722
656	8 28 08	John K. Smith	Youngs Canyon	640 acre-feet	Irrigation	0722
657	9 14 08	Wm. Rogers	Last Chance and other creeks	6.00	Irrigation	515
658	10 5 08	John B. Yount	Deer Creek	.50	Mining and domestic	0786
659	11 17 08	Lodi Mines Company	Lodi Springs	All	Mining and domestic	1045
660	12 1 08	C. G. Patrick	Springs	All	Baths and domestic	21
661	1 20 08	O. J. McConnell	Warm Springs	25.00	Irrigation	356
662	1 21 08	Alfred Swallow	Springs	25.00	Irrigation	356

REPORT OF STATE ENGINEER

REPORT OF STATE ENGINEER

No.	Date	Name	Source	Quantity— Second-foot	Purpose	Serial No.
564	1 21 08	Albert J. Clark	Springs	1.00	Irrigation.	722
565	1 22 08	John J. Regan	Hot Springs	1.00	Irrigation and domestic	757
566	1 22 08	James Ryan	Cliff Springs	1.00	Stock and domestic	780
567	3 24 08	K. D. Labadie	Galena Creek	3 acre-feet	Irrigation and domestic	0723
568	3 24 08	William Ashton	Prince Royal Canyon	1.20	Transportation, domestic	145
570	6 25 08	Federal Mines Company	Indian Creek	10.00	Mining	0731
571	7 30 08	Federal Mines Company	Spring Valley Creek	5.00	Mining	0732
572	7 30 08	L. J. Wilson	Reynolds Creek	1.00	Domestic and stock	124
573	7 30 08	W. A. Stevens	Bench Creek	5.00	Irrigation, mining, baths	303
574	7 30 08	I. J. Wilson	Kelley Creek	1.00	Irrigation, mining, baths	425
575	7 30 08	R. H. Hingston	Erastus Spring	.50	Mining, milling, domestic	449
576	7 30 08	John B. Yount	Deer Creek	6.00	Irrigation, stock and dom.	515
577	7 30 08	Joseph L. Giroux	Stone Cabin Spring	All	Mining and domestic	784
578	7 30 08	C. C. Schuepfe	Castle Tonne Spring	10,000 gals.	Mining and domestic	856
579	7 30 08	Louis Bloch	Bronco Creek	20.00	Industry	1198
580	8 23 08	E. Floyd	Springs	150 acre-feet	Irrigation, stock and dom.	0755
581	8 23 08	Isaac Harton	Springs	20 acre-feet	Irrigation, stock and dom.	0757
582	8 23 08	Fritz Schacht	Springs	552 acres	Irrigation.	0780
583	8 25 08	Glock and Jacobsen	Carson River	2.00	Irrigation, stock and dom.	0803
584	9 20 08	Fritz Elges	Phenut Creek	5.00	Irrigation, stock and dom.	0787
585	9 20 08	Fritz Elges	Phenut Creek	.50	Stock and domestic	0743
586	9 20 08	James T. Martin	Phenut Creek	.50	Irrigation, stock and dom.	0741
587	9 20 08	Harry Alley	Slaughterhouse Creek	5.00	Irrigation, stock and dom.	0739
588	9 20 08	George A. Middleton	McDermott Creek	14	Irrigation, stock and dom.	105
589	12 6 08	Charles R. Lewis	Lewis Creek	All	Stock	110
590	12 16 08	William P. Omeara	Springs	14,000 gals.	Mining milling, domestic	1305
591	1 7 10	H. F. Dangberg	Carson River	30.00	Irrigation	3
592	3 21 10	C. L. Milward	Indian Springs	50,000 gals.	Domestic and mining	1305
593	3 21 10	C. L. Milward	Indian Springs	150,000 gals.	Domestic and mining	1306
594	3 21 10	Palen Walmsey	Gold Canyon	12 acre-feet	Irrigation	0774
595	3 21 10	Albert Perkins	Gold Canyon	42 acre-feet	Irrigation	0725
596	5 1 10	K. F. and F. H. Murphy	Wall Canyon Creek	900 ac.-ft.	Irrigation	0719
597	5 1 10	W. H. Patterson	Wall Canyon Creek	600 ac.-ft.	Irrigation	0734
598	5 1 10	W. H. Patterson	Wall Canyon Creek	11,320 ac.-ft.	Irrigation	0734
599	5 1 10	W. H. Patterson	Wall Canyon Creek	11,880 ac.-ft.	Irrigation	0734

Many of these certificates appear to have been issued on insufficient data and should be cancelled after the issuance of other certificates more consistent with the facts. Serial number refers to both permits and proofs of appropriation, the former designated in whole numbers, the latter in numbers preceded by elpher or elphers.

OFFICE MANAGEMENT

The records of this office include several thousand applications for permit, proofs of various sorts thereunder, proofs of appropriation and maps, with an enormous correspondence referring to the various filings to which constant reference must be made.

At the time of my appointment to the office there was no classification of the correspondence, all letters having been filed in alphabetical order with no indexes or cross references of any description. Applications were filed in rotation in vertical files and the proofs thereunder were filed in separate compartments. The application indices consisted of a name index of the applicant; a stream index in which the various sources are indexed on a simple card (all sources with the same initial number appearing on one card), and a township index on which approximate points of diversion were platted. There were no map indices and proofs of appropriation were not indexed in any way.

I reached the conclusion at once that the considerable expenditure of time and money necessary to systematize the office was justifiable.

All of the applications for permit, all proofs and all correspondence thereunder were segregated under each serial number and have been filed in heavy manila envelopes 10x15 in dimensions, the faces of the envelopes containing a complete record of the contents with the dates of filing of each instrument. Not less than 30,000 letters, instruments and carbon copies have been carefully sorted out, segregated and filed in completing this work.

To permit of the proper indexing of applications for permit, an elaborate card system has been installed consisting of the following features:

An index giving the serial number, name and address of applicant filed alphabetically.

An index of sources, consisting of four cards under each source.

Card No. 1 containing: 1. Serial number of each application, for the waters of the sources. 2. Dates of approval and cancellation thereunder. 3. Amount of water applied for and amount of water granted in permit. 4. Reference to the tributaries of the source, and to the sources to which it is tributary.

Card No. 2 containing: 1. Serial number of each proof of appropriation filed, naming the source. 2. The extent of the right claimed under each proof.

Card No. 3 containing: Bibliography and index to discharge measurements on the source.

Card No. 4 containing: Reference by serial number to each map on file in the office on which the source is shown.

Thus far cards Nos. 1 and 2 in this index have been prepared, and a start has been made on the balance of the work.

The value of the index can hardly be overestimated, since it permits the Engineer or his assistants to refer to any matter in the office, either filings or technical data on any particular source, with no lost motion whatever.

A card index has been substituted for the township plats formerly used, each township in the State being represented by a card, properly ruled. The points of diversion named in each application, thus far filed, wherever the same was sufficiently definite, has been platted on these cards.

A name index of claimants, who have filed proofs of appropriation referring to the serial number of the proof, has been installed, and in

this connection all proofs have been filed under the name of the ditch diverting the water claimed.

No "follow-up" system was used in the office, and a monthly and daily file has been installed which permits of the proper action on various matters before the office as they fall due.

In this connection a great number of permits, under which the applicants have failed to comply with the law, have been held for cancellation pending the filings of the proper proofs or maps, or finally cancelled after due notice, this work going back to the earliest filings in the office.

A loose-leaf system of record book has been installed, which vastly improves this feature, and form letters have been adopted wherever it has been possible, reducing the work of the typists and permitting them to employ their time on work which was, in the past, done by the Engineer and his assistant.

No accounting system, worthy of the name, was in use, and a modern voucher system, covering all expenditures and receipts by the office, has been installed.

The office possesses a valuable collection of pamphlets and publications regarding hydraulics, irrigation and allied subjects, and these have been given serial numbers and are being indexed under the subjects with cross references to the serial number.

There are no records of observations made in the field by former State Engineers, and a scheme of field reports has been inaugurated. The data gained on trips of inspection is now filed systematically and indexed, and if this system is continued, will ultimately constitute one of the most valuable compilations in this department.

The object in view throughout has been the creation of a department which will be not only a modern office of record for the filing of instruments concerning water rights, but also an engineering office prepared to procure and compile intelligent data regarding water supply and agricultural development in the State, and my present plans contemplate not only the completion of the work above outlined, but, in addition, the indexing of all decrees of court and Supreme Court decisions concerning water rights; the compilation and indexing of all available hydraulic and irrigation data not now in the office, the preparation of proper maps, showing the various water systems in the State, and the perfecting of an effective organization to properly handle the work in the office and field.

It will be apparent that the work already done along these lines has consumed a large part of the time both of the State Engineer and the Assistant Engineer, Mr. Van Nagell having devoted not less than half of his time during the past four months to entering the various indexes, the ambiguous character of most of the filings made prior to 1910 making this a work that could not have been done by any one not familiar with the history of the filings and general conditions throughout the State.

The filing of the correspondence took the time of three clerks for nearly two months, and the installation and posting of the accounting system for the two-year period covered in this report has taken the time of a clerk for one month. Cancellations and resulting correspondence covering work that should properly have been done during the preceding administration have also tended to take much time, which, under normal conditions, could have been devoted to field examinations. I have no hesitancy in saying, however, that results which have already accrued from office betterments indicate that the increased efficiency of the depart-

ment caused thereby will be felt and appreciated by water users throughout the State.

RECEIPTS AND DISBURSEMENTS

The appropriation of \$25,000 made by the last Legislature for the conduct of this department has been expended in the manner indicated on the accompanying tabulations.

It will be noted that the considerable sum of \$10,169.70 has been turned over to the General Fund from fees received in the office and that the net cost to the State of the work done by the State Engineer is thereby reduced to the sum of \$14,816.42.

The fee system now provided by the statutes is, however, inequitable, since it requires the same amount from any applicant, irrespective of the magnitude of his proposed appropriation, the applicant desiring to appropriate several hundred cubic feet per second of water and the applicant for a fraction of a cubic foot per second paying the same filing fee of \$25, the benefits derived from the rights obtained from the State in each case being entirely disproportionate, yet each applicant pays the same tax. Following the practice of the other western States, a fee system based upon the extent of the right applied for is earnestly recommended as detailed under the heading "Suggested Legislation."

Should a new irrigation code be adopted providing a Board of Control, an appropriation of \$50,000 will be required by the State Engineer's office and the Board of Control. The fee system recommended should return this amount to the General Fund, and thus make the department self-supporting.

Ample evidence of the correctness of this assertion is obtainable from the records of this office and will be presented in proper form to the Legislature.

FEES RECEIVED AND DISPOSITION OF SAME, 1909

Month	Fees received	Paid for publications	Deposited in General Fund
January	\$0.00	\$0.00	\$0.00
February	2.00	0.00	0.00
March	328.00	20.00	200.00
April	361.06	30.00	221.06
May	862.96	120.00	522.96
June	249.50	220.00	159.00
July	428.25	180.00	268.25
August	526.15	190.00	326.15
September	684.75	90.00	444.75
October	1,216.50	241.00	725.50
November	1,231.50	440.00	751.50
December	813.00	420.00	513.00
Total	\$6,703.65	\$1,961.00	\$4,132.15

NOTE: The apparent discrepancy between the monthly fee receipts and the sums of the amounts paid for publication and the amount deposited in the General Fund, is due to the practice of the office to hold out each month the total amount which might be required to pay for the publication of all the applications filed during such month. Applications returned for correction and not refiled within the statutory period are not published, and the fund held for this purpose was turned over to the Treasurer on December 31, 1910, reconciling this account. In the settlement of December 31st with the State Treasurer the sum of \$920 was retained by the State Engineer for the payment of publication of 92 notices of application, for which affidavits of publishers have not yet been filed.

FEES RECEIVED AND DISPOSITION OF SAME, 1910

Month	Fees received	Paid for publications	Deposited in General Fund
January	\$863.70	\$430.00	\$533.70
February	504.15	140.00	324.15
March	551.50	380.00	351.50
April	822.50	131.00	512.50
May	782.50	270.00	0.00
June	906.05	20.00	1,048.50
July	943.45	300.00	603.35
August	895.75	520.00	555.75
September	763.00	430.00	453.00
October	686.25	110.00	435.25
November	1,063.70	290.00	713.70
December	676.50	110.00	506.15
Total	\$9,468.05	\$3,131.00	\$6,087.55
Grand total	\$16,171.70	\$5,082.00	\$10,169.70

ANALYZED STATEMENT OF FEES COLLECTED BY STATE ENGINEER FROM FEBRUARY 24, 1909, TO DECEMBER 31, 1910.

Month	Applications	Proof completion of work	Proof of application of water to beneficial use	Protests	Clerical work	Miscellaneous papers filed	Total
1909							
February			\$2.00				\$2.00
March	\$325.00				\$3.00		328.00
April	350.00			\$3.00	3.05		361.06
May	850.00	\$3.00	2.00	3.00	4.95		862.96
June	225.50	5.00	6.00	4.00	7.00	\$2.00	249.50
July	400.00	9.00	4.00	4.00	10.25	1.00	428.25
August	500.00	7.00	3.00	1.00	14.15	1.00	526.15
September	600.25	9.00		3.00	70.50	2.00	684.75
October	1,200.00	8.00	2.00	3.00	3.50		1,216.50
November	1,200.50	4.00	10.00	4.00	9.00	4.00	1,231.50
December	750.00	6.00	27.00	12.00	17.00	1.00	813.00
Total	\$6,401.25	\$51.00	\$56.00	\$42.00	\$142.40	\$11.00	\$6,703.65
1910							
January	\$825.00	\$8.00	\$4.00	\$14.00	\$12.70		\$863.70
February	450.10	2.00	4.00	9.00	39.05		504.15
March	500.00	9.00	4.00	5.00	31.50	\$2.00	551.50
April	776.50	11.00	18.00	4.00	12.00	1.00	822.50
May	750.00	12.00	6.00	3.00	11.50		782.50
June	875.00	8.05	4.00	14.00	5.00		906.05
July	895.00	14.00	16.10	5.00	13.35		943.45
August	850.00	6.00	6.00	8.00	25.75		866.75
September	735.00	7.00	6.00	9.00	4.00	2.00	763.00
October	635.00	6.00	10.00	17.50	24.75	2.00	686.25
November	1,020.00	7.00	16.00	4.15	15.55	1.00	1,063.70
December	625.00	7.00	10.00	12.00	22.50		676.50
Total	\$9,936.60	\$97.05	\$104.10	\$104.65	\$217.65	\$8.00	\$9,468.05
Grand total	\$15,337.85	\$148.05	\$160.10	\$146.65	\$360.05	\$19.00	\$16,171.70

ment caused thereby will be felt and appreciated by water users throughout the State.

RECEIPTS AND DISBURSEMENTS

The appropriation of \$25,000 made by the last Legislature for the conduct of this department has been expended in the manner indicated on the accompanying tabulations.

It will be noted that the considerable sum of \$10,169.70 has been turned over to the General Fund from fees received in the office and that the net cost to the State of the work done by the State Engineer is thereby reduced to the sum of \$14,816.42.

The fee system now provided by the statutes is, however, inequitable, since it requires the same amount from any applicant, irrespective of the magnitude of his proposed appropriation, the applicant desiring to appropriate several hundred cubic feet per second of water and the applicant for a fraction of a cubic foot per second paying the same filing fee of \$25, the benefits derived from the rights obtained from the State in each case being entirely disproportionate, yet each applicant pays the same tax. Following the practice of the other western States, a fee system based upon the extent of the right applied for is earnestly recommended as detailed under the heading "Suggested Legislation."

Should a new irrigation code be adopted providing a Board of Control, an appropriation of \$50,000 will be required by the State Engineer's office and the Board of Control. The fee system recommended should return this amount to the General Fund, and thus make the department self-supporting.

Ample evidence of the correctness of this assertion is obtainable from the records of this office and will be presented in proper form to the Legislature.

FEES RECEIVED AND DISPOSITION OF SAME, 1909

Month	Fees received	Paid for publications	Deposited in General Fund
January	\$0.00	\$0.00	\$0.00
February	2.00	0.00	0.00
March	328.00	20.00	200.00
April	361.05	30.00	221.05
May	862.95	120.00	522.95
June	249.50	220.00	159.00
July	428.25	180.00	268.25
August	528.15	190.00	328.15
September	684.75	90.00	444.75
October	1,216.50	241.00	725.50
November	1,231.50	440.00	751.50
December	813.00	420.00	513.00
Total	\$6,703.65	\$1,961.00	\$4,132.15

Note: The apparent discrepancy between the monthly fee receipts and the sums of the amounts paid for publication and the amount deposited in the General Fund, is due to the practice of the office to hold out each month the total amount which might be required to pay for the publication of all the applications filed during such month. Applications returned for correction and not refilled within the statutory period are not published, and the fund held for this purpose was turned over to the Treasurer on December 31, 1910, reconciling this account. In the settlement of December 31st with the State Treasurer the sum of \$920 was retained by the State Engineer for the payment of publication of 92 notices of application, for which affidavits of publishers have not yet been filed.

FEES RECEIVED AND DISPOSITION OF SAME, 1910

Month	Fees received	Paid for publications	Deposited in General Fund
January	\$263.70	\$430.00	\$533.70
February	504.15	140.00	324.15
March	551.50	380.00	351.50
April	822.50	131.00	512.50
May	782.50	270.00	0.00
June	906.05	20.00	1,048.50
July	943.45	300.00	603.35
August	895.75	520.00	555.75
September	763.00	430.00	453.00
October	696.25	110.00	435.25
November	1,063.70	290.00	713.70
December	676.50	110.00	506.15
Total	\$9,468.05	\$3,131.00	\$6,037.55
Grand total	\$16,171.70	\$5,082.00	\$10,169.70

ANALYZED STATEMENT OF FEES COLLECTED BY STATE ENGINEER FROM FEBRUARY 24, 1909, TO DECEMBER 31, 1910.

Month	Applications	Proof commencement of work	Proof of application of water to beneficial use	Protests	Clerical work	Miscellaneous papers filed	Total
1909							
February			\$2.00		\$3.00		\$2.00
March	\$325.00				3.05		328.00
April	350.00			\$8.00	4.95		361.05
May	850.00	\$3.00	2.00	3.00	7.00	\$2.00	862.95
June	225.50	5.00	6.00	4.00	10.25	1.00	249.50
July	400.00	9.00	4.00	4.00	14.15	1.00	428.25
August	500.00	7.00	3.00	1.00	70.50	2.00	528.15
September	600.25	9.00		3.00	3.50		684.75
October	1,200.00	8.00	2.00	3.00	9.00	4.00	1,216.50
November	1,200.50	4.00	10.00	4.00	17.00	1.00	1,231.50
December	750.00	6.00	27.00	12.00			813.00
Total	\$6,401.25	\$51.00	\$56.00	\$42.00	\$142.40	\$11.00	\$6,703.65
1910							
January	\$825.00	\$8.00	\$4.00	\$14.00	\$12.70		\$863.70
February	450.10	2.00	4.00	9.00	39.05		504.15
March	500.00	9.00	4.00	5.00	31.50	\$2.00	551.50
April	776.50	11.00	18.00	4.00	12.00	1.00	822.50
May	750.00	12.00	6.00	3.00	11.50		782.50
June	875.00	8.05	4.00	14.00	5.00		906.05
July	895.00	14.00	16.10	5.00	13.35		943.45
August	850.00	6.00	6.00	8.00	25.75		895.75
September	735.00	7.00	6.00	9.00	4.00	2.00	763.00
October	635.00	6.00	10.00	17.50	24.75	2.00	696.25
November	1,020.00	7.00	16.00	4.15	15.55	1.00	1,063.70
December	625.00	7.00	10.00	12.00	22.50		676.50
Total	\$9,936.60	\$97.05	\$104.10	\$104.65	\$217.65	\$8.00	\$9,468.05
Grand total	\$15,337.85	\$148.05	\$160.10	\$146.65	\$360.05	\$19.00	\$16,171.70

REPORT OF STATE ENGINEER

ANALYZED EXPENDITURES FROM IRRIGATION APPROPRIATION DURING PERIOD COVERED BY THIS REPORT

Month	Traveling expenses	Salaries	General expenses	Stationery	Equipment	Team	Extra-ordinary	Total
1908								
January	\$10.50	\$457.00	\$19.40	\$14.80	\$5.90	\$12.00		\$519.00
February	10.00	488.25	19.00	88.75	12.00	12.00		640.00
March	222.80	980.85	42.10	79.00	28.50	27.35		1,390.10
April	308.05	1,105.00	16.60	9.88		9.00		1,448.53
May		1,017.80	15.01	28.55				1,393.91
June		1,047.50	17.69	22.85				1,249.14
July	280.85	935.50	14.55	63.55				1,321.45
August	242.00	952.00	24.03	14.60				1,321.63
September	170.00	750.00	45.85	28.70				984.55
October	171.05	735.00	27.89	18.25				975.99
November	98.45	894.50	24.81	80.10				1,144.81
December	149.45	671.76	8.06	17.20				846.47
Totals	\$2,070.85	\$10,034.36	\$275.09	\$567.23	\$38.80	\$258.55		\$13,039.38
1910								
January	\$46.45	\$625.00	\$33.49	\$13.25				\$718.19
February	10.00	600.00	17.90	13.35				667.65
March	95.70	861.45	21.74	43.70				1,085.79
April	108.90	854.50	14.40	37.90	\$2.00			1,089.70
May	184.60	955.00	20.69	126.26	38.40			1,335.85
June	164.10	689.30	22.21	28.45			\$9.00	837.31
July	95.35	689.70	33.92	25.90	61.68		20.00	940.00
August	259.40	683.73	44.01	68.55				1,053.69
September	42.05	642.00	23.34	103.85	7.50			818.74
October	163.45	754.04	59.17	40.45	95.10			1,112.26
November	29.40	729.50	23.50	41.90				824.30
December	92.75	1,070.59	26.02	122.60	101.20			1,413.16
Total	\$1,292.15	\$9,134.81	\$340.39	\$865.16	\$500.63	\$184.30	\$29.00	\$11,946.74
Grand total	\$3,362.50	\$19,169.17	\$615.48	\$1,092.39	\$834.73	\$442.85	\$29.00	\$24,986.12

Warrants in the following amounts drawn by the State Controller against the Irrigation Fund during Mr. Nicholas' administration, but which did not appear upon the books of the State Engineer's office, were taken into account in December, 1910:
 Warrant No. 2319—April, 1909, Donnets & Steinmetz, rugs \$60.00
 Warrant No. 3853—July, 1909, Charles Sparks, clerk 100.00
 Warrant No. 5421—November, 1909, Western Union Telegraph Company, October messages 5.64
 Total \$165.64

ANALYZED STATEMENT OF EXPENDITURES

Showing approximate amounts disbursed in adjudication of vested rights, in examination of applications and for permanent equipment.

Month	Vested rights			Applications			Equipment	
	Salaries	Traveling expenses	Miscellaneous	Salaries	Traveling expenses	Miscellaneous		
1909								
January	\$142.00	\$12.00	\$22.25	\$283.00	\$10.00	\$44.45	\$5.30	
February	156.00	12.00	19.50	312.25	10.00	39.25		
March	528.60	263.15	58.25	385.00		116.60	28.50	
April	585.00	225.20	50.50	385.00	91.25	100.98		
May	507.50	222.00	56.00	385.00	43.85	112.56		
June	537.50	156.10	54.50	385.00	5.00	111.04		
July	490.00	216.50	46.00	385.00	91.95	92.10		
August	541.75	255.25	21.30	385.00	37.75	42.58		
September	340.00	50.00	37.50	385.00	120.00	62.05		
October	365.00	77.15	25.50	385.00	72.40	50.64		
November	427.50	154.40	45.60	385.00	40.90	91.41		
December	286.76		8.40	385.00	149.45	16.86		
Total	\$4,917.61	\$1,644.35	\$445.30	\$4,445.25	\$672.55	\$890.52	\$33.80	
1910								
January	\$190.00		\$32.24	\$385.00	\$46.45	\$64.50		
February	190.00	\$26.40	19.00	385.00	10.00	37.25		
March	475.00	125.95	37.00	361.45	13.00	73.39		
April	340.00	60.75	60.25	385.00	71.15	83.65	\$2.00	
May	335.00	83.75	115.65	400.00	136.85	231.30	33.40	
June	254.00	85.85	28.25	410.00	102.50	56.61		
July	218.50	66.95	50.20	400.00	42.35	100.32	61.68	
August	216.00	117.85	50.60	430.00	141.55	101.25		
September	200.00	2.50	69.60	400.00		139.14	7.50	
October	292.50	26.05	54.00	400.00	136.40	108.16	95.15	
November	200.00		63.00	400.00	31.90	125.80		
December	200.00		182.00	400.00	92.75	384.75	68.00	
Total	\$3,111.00	\$596.05	\$796.79	\$4,756.45	\$824.90	\$1,508.82	\$207.73	
Grand total	\$8,028.61	\$2,240.40	\$1,242.09	\$9,201.70	\$1,497.45	\$2,474.34	\$301.53	
Total expenditures							\$24,986.12	

INVENTORY OF FURNISHINGS, SUPPLIES, ETC., DECEMBER 31, 1910

- Office:
- 2 Axminster rugs.
 - 1 four-section oak bookcase, complete.
 - 2 60-inch oak roll-top desks, complete.
 - 1 40-inch oak typewriting desk.
 - 1 3x8-foot oak table.
 - 1 7-foot pine bookkeeper's desk.
 - 2 oak revolving office chairs.
 - 2 oak solid-seated chairs.
 - 2 oak cane-seated chairs.
 - 1 revolving stool.
 - 2 four-drawer section "Lundstrom" filing-cases, oak.
 - 2 ten-drawer section card index, oak.
 - 1 four-drawer section card index, oak.
 - 1 eight-drawer section card index, oak
 - 1 three-drawer section card index, oak
 - 1 five-section vertical document case
 - 1 six-drawer vertical filing-case, oak
 - 1 twelve-drawer stationary cabinet, oak
 - 1 seven-section vertical document case
 - 1 16x30 oak typewriter stand.
 - 1 24x30 oak table.
- Wagemaker, complete, with stand and top.
 Y. & E., complete with base and top.

- 1 Underwood typewriter, No. 194045, standard carriage No. 5.
- 1 Underwood typewriter, No. 23169-3, fourteen-inch carriage No. 3.
- 1 mirror and hat-rack, oak.
- 5 framed pictures.
- 2 panel "Passepartoute" pictures.
- 1 seal "State Engineer."
- 1 automatic pencil sharpener.
- 1 postal scale.
- 8 wire trays.
- 2 waste-paper baskets.
- 1 stove, Burdette No. 23, and fender.
- 1 Bates five-wheel automatic numbering machine.
- 3 Y. & E. clip-boards.
- 2 perforating machines for filing.
- 1 utility dating machine.
- 2 office stamps.
- 2 pairs of shears.
- 1 3a Eastman kodak, with leather case.
- 2 I. P. price books, No. 512.
- 1 I. P. price book, No. 513.
- 8 I. P. price books, No. 508, with indices.
- 1 volume, Long on Irrigation.
- 1 volume, Gould on Waters.
- 3 volumes, Farnham on Waters and Water Rights.
- 1 volume, Black's Constitutional Law.
- 6 volumes, Statutes of Nevada, 1881, 1901, 1903, 1905, 1907, and 1909.
- 2 volumes, Nevada Reports, 1908 and 1909.
- 2 volumes, Nevada Appendix to Journals of Senate and Assembly, 1909.
- 5 volumes, Report of Progress of Stream Measurements, 1901, 1902, 1903, 1904 and 1905.
- 1 volume, Weir Experiments, Horton.
- 1 volume, Accuracy of Stream Measurements, Murphy.

Draughting Room:

- 1 combination draughting-table 36x52, with seven-drawer filing-case.
- 1 revolving stool.
- 1 filing-case with twenty-four 8x8 pigeon-holes.
- 1 four-section oak book-case, complete.
- 1 Y. & E. vertical map-filing case 42x44, oak.
- 1 stove, Bertha No. 22, with fender.
- 1 Coradi planimeter, No. 1792.
- 1 Thatcher's cylindrical slide rule, No. 4012.
- 1 K. & E. one-arm protractor.
- 1 set, 4, engineer's scales, flat with white edges.
- 1 set, 8, architect's scales, flat with white edges.
- 1 36-inch T-square.
- 1 10-inch slide rule.

Field Equipment:

- 1 Lietz transit, No. 1501.
- 1 Lietz level, No. 1520, 18-inch wye.
- 3 tripods.
- 1 100-foot steel tape.
- 1 66-foot Gunter's chain.
- 1 Fauth & Co. plane table, No. 2405.
- 1 current meter, U. S. No. 134, Curley, No. 139.
- 1 current meter, Curley, No. 268.
- 2 12-foot level rods with targets.
- 1 12-foot level rod.
- 2 rod levels.
- 1 brass water-gage.
- 2 canvas bags.
- 1 claw hatchet.
- 1 22-inch Diston saw.
- 2 blankets.
- 1 pair rubber boots.

Stable Equipment:

- 2 horses.
 - 1 set light buggy harness.
 - 2 buggies.
 - 1 whip.
 - 2 horse blankets.
 - 1 light buggy robe.
- All of the stable equipment, except one buggy stored with R. B. Crowell, is at the Cleveland Ranch, White Pine County, Nevada.

Miscellaneous Assets:

- 1 \$90 scrip book.
- Stamps of value of \$68.
- 1 partially used scrip book containing \$4.35 in unused scrip.
- Balance in Carson Valley Bank to pay for publication of 92 applications, \$920.

FIELD OPERATIONS

The office records are especially lacking in data regarding the less important water sources throughout the State and it has consequently been necessary to examine the greater number of the applications for permit, whether protested or not, upon the premises. In the cases of protested applications, such an examination is always made after due notice to all interested parties. During the present administration of the office the State Engineer and Assistant Engineer have made trips of inspection covering portions of every county in the State excepting Lincoln and Clark Counties. These trips are carefully planned in the office, all applicants and protestants in the territory to be visited are advised in advance, and as much data as may be available is taken into the field to facilitate the work. In the field every effort has been made to procure for the office records as much pertinent data as it is practicable to gather in a general reconnoissance, and as a result of this the proportion of applications requiring inspection is being continually reduced.

Properly such an inspection should include not only an examination into the facts regarding applications for permit, but also a close inspection of all appropriations on which final proofs have been filed. Since practically nothing along this line had been done prior to the present year, the number of cases in which appropriations have been perfected under permits from the State Engineer is large, and it is not probable, until an organization along the lines suggested in the proposed amendments to the law is perfected, that the office can hope to do precise work, or to issue certificates of appropriation under permits, which will be based upon facts.

Under the present law the applicant is required, within six months after the approval of a permit, to file in the State Engineer's office a map showing his proposed works. The suggested amendments would repeal this section and provide that the map be filed at the time that final proofs were made, and that it should be prepared by a deputy of the office, at the expense of the applicant, such deputy to be any competent surveyor who might apply and qualify for such appointment. Acting under proper regulations and making reports under oath to the State Engineer, the various deputies of the office throughout the State would supply the State Engineer with precise facts regarding appropriations of water under permits upon which the Board of Control could base certificates setting forth unassailable facts regarding the nature and extent of each appropriation.

In any event, the State Engineer will be required to spend a very

considerable portion of his time in the field and, unless some rapid means of traveling is provided, to waste most of his time on the long stretches of road between points where his services are necessary. The purchase of a light automobile by the State can be shown to be an economical investment.

CONSTRUCTION WORK

The State Engineer's office has, in accordance with statutory provisions and at the request of the various boards in control of state institutions, acted on the following matters:

CAPITOL REPAIRS

In accordance with Chapter CCVII, Section 1, Statutes of 1909, directing the State Engineer to make a survey of the State Capitol Building and State Printing Office building for the purpose of ascertaining the extent of necessary repairs, Mr. Nicholas prepared specifications for the interior decoration of the Capitol Building. The work was approved by the present State Engineer when completed, and specifications were drawn for necessary repairs on the State Printing building, which work was also approved.

STATE WATER SUPPLY

On August 3, 1909, Mr. Nicholas prepared specifications for an 8-inch Converse lock-joint pipe to replace a portion of the original line of 4-inch black pipe, these specifications covering necessary hydrants and connections with state buildings. This work was completed by contract and approved by this office.

POWER HOUSE AND PUMPING PLANT OF NEVADA STATE HOSPITAL FOR MENTAL DISEASES

Chapter CXL, Section 57, Statutes of 1909, appropriated the sum of \$8,000 for the completion of a power plant and pumping station at the Hospital for Mental Diseases and the State Engineer's office prepared specifications for this work. These specifications provided for a modern horizontal turbine water wheel, with automatic control, direct connected to a low-tension three-phase 60-cycle generator within the building already constructed by the State for the purpose, and the construction and installation of proper switchboards, pole lines and other appliances to permit of the utilization of the State's water right in the Sullivan ditch for the purpose of generating electricity to satisfy the requirements of the Hospital both for power and lights.

A proposal from Fairbanks, Morse & Co. to furnish and install this plant, substituting a 2,500-volt belt-driven generator for the 250-volt direct-connected generator specified was later accepted by the board, and the State Engineer's office prepared additional specifications providing for the change, these including a substation switchboard and equipment to permit of the use of power from the distributing mains of the Reno Power, Light and Water Company on any of the Hospital circuits at such times as the water supply owned by the State proves insufficient. In connection with the power plant was installed a direct-connected two-stage centrifugal pump and a pipe line connecting the same with a well and the supply tank at the Hospital.

As the power house was built to accommodate the direct-connected waterwheel and generator, and was fully completed under a former contract when the belt-driven unit was ordered, some of the construction on

this plant is effected in a cramped space and not in accordance with the best mechanical practice, still the plant is giving excellent service.

NEVADA STATE PRISON

Pursuant to Chapter CXXXI, Section 3, Statutes of 1909, directing the State Engineer to visit and examine certain modern prisons and to be the superintendent and architect of the new Nevada State Penitentiary, provided for in the said Act, Mr. Nicholas inspected a number of modern prisons in various States and submitted a report to the Board of Prison Commissioners.

He also caused to be prepared a general drawing of a modern prison of 352 cells, and specifications covering steel cells, locking devices, guards, window gratings, corridors, and stairs, and the State Board of Prison Commissioners began on March 29, 1910, the publication of notice to bidders.

Proposals were received and opened on May 9, 1910, as follows:

From Mesker Bros., St. Louis:

Proposal No. 1—All cell work, locking devices, galleries, utility corridors, stairs, gratings, consultation and dungeon cells, window guards, bunks, etc., as per plans and specifications, all installed at building, except window guards, entrance guards, and gratings that are built in the wall, for the sum of \$29,890. For single-plate partitions between cells deduct \$13,045.

Proposal No. 2—Same as proposal No. 1, except that Mesker Bros. were to supply and fabricate the material which was to be installed with prison labor, under direction of expert mechanics and a superintendent to be supplied by the State, for the sum of \$113,422. For single-plate partitions deduct \$10,760.

Proposal No. 3.—Cell work, locking devices, galleries, utility corridors, stairs, gratings, consultation and dungeon cells, window guards, bunks, etc., as per plans and specifications, to be fabricated and installed at building with prison labor, Mesker Bros. to supply expert mechanics and superintendent to assist in fabrication and installation, for the sum of \$100,718. For single-plate partitions deduct \$8,492.

From the Stewart Iron Works Company:

Proposal to install steel work, as per plans and specifications, for \$206,000. For single-plate partitions, \$191,100.

From the Van Dorn Iron Works:

Proposal per plans and specifications, \$211,950. For single-plate partitions, \$195,950.

From the Nevada Engineering Works:

Proposal per plans and specifications, \$206,480, using the Pauley locking device. For single-plate partitions, \$191,880.

The State Engineer at once prepared an estimate of cost of the work, and reported to the board that the steel work and gratings could be furnished and installed in accordance with the specifications by the contractor procuring the award at a cost to him not in excess of \$96,000, this estimate being based upon prevailing prices and freights and carefully estimated figures of cost on fabrication and erection, and the acceptance of the Mesker Bros. bid was recommended.

On May 19, 1910, the board, by a majority vote, ignored the recommendations of this office and awarded the contract for 296 cells to the

second highest bidder for the sum of \$168,800, the resolution of the award giving trivial and only partially truthful reasons for the rejection of the low bid.

Prior to the publication of the notice to bidders, the board had employed Mr. F. J. Delonchant of Reno, an architect, to complete the general plans prepared during Mr. Nicholas' administration of the State Engineer's office.

The finished plans were submitted to the State Engineer for approval on July 7, 1910, but I declined to approve them before checking them and estimating the cost of a prison built in accordance with them.

The board thereupon instructed the State Engineer to check over the plans and to submit an estimate of cost on the entire prison.

On July 5th I submitted a preliminary estimate of the cost of this prison, which indicated that, even under an economical and business-like administration of the construction by the board, a prison in accordance with the plans could not be built for less than \$550,000, and I therefore withheld my approval and recommended the rejection of the plans by the board. On August 2d the board met and the State Engineer was instructed to prepare new plans and specifications and detail drawings of a main cell-room and buildings so designed as to permit of the installation of at least 240 cells, and a maximum capacity of at least 300 cells, the said plans and specifications to be in accordance with the plans and specifications of the cells and steel work already contracted for.

During the preliminaries a large number of letters of inquiry were sent out to the wardens of various prisons throughout the United States, and, as a result of the information gained in this way, it was decided to adopt the type of cell-house used in the Utah State Penitentiary as being the most practical and economical, both from the standpoints of construction and operation, and at my request the board, on September 2d, instructed me to visit this prison to assist in preparing the new plans.

The original plans contemplated a cell-house consisting of four wings radiating from a central guard-house, and each wing containing two tiers of cells with a cantilever corridor around the upper tier in each wing. The new plan provides for a single building containing four tiers of cells, with complete steel and concrete floors from wall to wall, and with a guard grating running the whole length of each cell-block parallel with the cell fronts. Such a design, which is eminently practical and economical, necessitated radical changes in the steel specifications, and the contractor was therefore asked to meet with the board and the State Engineer for the purpose of estimating the cost of the steel work in accordance with the new plans.

On November 28th the board met, and the contractors submitted an estimate on the steel work in accordance with the new plans, for comparison with an estimate prepared by the State Engineer, the latter being based upon the prices at which the same work was supplied to the State of Utah corrected for additional freight rates and labor costs at the prison site in Nevada, the State Engineer's estimate being \$127,500, the contractor's bid being \$171,080. It appearing that an irreconcilable discrepancy existed between the contractor's and the Engineer's estimates, action by the board was deferred until December 2d, when it was decided that the contractor be asked to submit an estimate of the cost of 240 steel cells without corridors or corridor gratings, and all the necessary window gratings and doors for the entire redesigned prison. In order that the

figures submitted in connection with this estimate be made unassailable in regard to accuracy a complete check was made of all the previous estimates of the State Engineer by him and a report submitted on September 23d to the board. This report indicated that the contractor was now asked to submit bids on practically two-thirds of the amount of material for which the contract was originally let. Estimating the proper reduction in price for this work, using the original contract price as a basis, gave \$128,144 as the extreme price which should be paid for the new work. The contractor submitted an estimate of \$143,570 for the entire cell work furnished in Bessemer steel, and \$147,570 for the cell work as above, but with tool-proof ends and top in one block of cells. The contractor's figures were accepted by the board, which repudiated the clause in its original contract making the decision of the State Engineer final in such cases unless appealed from by the contractor to a properly constituted board of arbitrators, which action unquestionably deprived the State of the amount of the difference in the two estimates.

At no time were the figures submitted by the State Engineer to the Board of Prison Commissioners either checked or accepted as against the estimates of the contractor, although no effort was spared by this department in providing such estimates as no business board having at heart the welfare of the people could properly ignore.

It seems pertinent to me that the attitude of this office throughout should be made clear in this report, that no part of the odium which properly attaches to the ill-advised action of the Board of Prison Commissioners be borne by the State Engineer in his capacity as technical adviser to the board and as architect and superintendent of the prison.

The general plans of the redesigned prison have not as yet been finally adopted, but will include an administration building, quarters for the Warden, the main cell-house, described in the foregoing, an assembly hall, a modern steward's department, and in the basement of the cell-house, ample provisions for laundry, shops, and heating plant; the entire structure to be surrounded by a wall twenty-five feet high, five feet at the base, and two feet at the top, including approximately ten acres of ground.

The preliminary estimate of the cost of this prison is \$355,000 and it will take, after the commencement of work upon the ground, approximately eighteen months to complete it.

All of the buildings, with the exception of the administration building, which is to be built of sandstone from the old prison quarries, will be built of concrete in order to permit the utilization of as much unskilled convict labor as possible.

GENERAL RECOMMENDATIONS

At the present time the valuable documents and records on file in the State Engineer's office are held with absolutely no protection against fire. It is imperative that a suitable fireproof vault be constructed in this department.

The quarters occupied by the State Engineer are entirely inadequate as regards size and some provision should be made at the coming session of the Legislature for the proper housing of this office.

The State should cooperate with the United States Geological Survey in the gaging of streams on the cooperative basis now adopted by the U. S. G. S., whereby that department expends a sum of money annually in

each State equal to whatever sum the State may appropriate for the work. It is suggested that \$2,500 annually should be made available for the study of water supply.

A general reconnaissance of the various sources of supply within the boundaries of the State for the purpose of obtaining general data as to the amount of water available for use over and above present appropriations should be made at once. Such a reconnaissance, to include some practical determinations at points where it appears that large subterranean sources of supply might be encountered by driving wells, would be in my judgment justified. A party consisting of one Assistant Engineer, two field men, and a team could, in the course of two years, make a very comprehensive examination of the various streams in the State, and a report of their operations would undoubtedly result in the development of many sources now unutilized. An appropriation of \$10,000 covering the two-year period would be necessary to put this suggestion into effect.

SUGGESTED LEGISLATION

The irrigation code of this State has developed certain weaknesses and defects which should be corrected.

Primarily the code is too indefinite in many of its features; secondarily, it delegates power to the State Engineer which could, with advantage to all concerned, be vested in a board, rather than in an individual, and finally it provides an entirely inequitable system of fees.

Reviewing these defects:

The procedure incident to the determination of vested rights is not prescribed in such a manner as to insure a fully legal adjudication. No provisions for proper notice to the public at the commencement of proceedings is made, and throughout the progress of the determination no fixed method of procedure is established to bind both the claimants and State Engineer to a systematic completion of the work when once begun. Failure to comply with the requirements of the law in submitting proofs is made punishable as a misdemeanor, which entails a tedious and more or less fruitless process in each case where claimants to rights decline to submit their evidence, and, as a whole, the law is entirely too general in its terms. The State Engineer collects the physical data necessary in all adjudications, collects the testimony and proofs of all claimants, and in addition is the sole judge of the rights to all parties appearing. A State Engineer competent to properly perform this combination of administrative and judicial functions, might be found, but the chances are against such a discovery.

Under the present code the adjudication of vested rights is done entirely at the expense of the State, but the individual initiating any industry requiring the use of water is required to pay a fee which is as great in the case of the homesteader attempting to develop and utilize the water of a spring for the irrigation of a few acres of the desert as in the case of the corporation proposing to reclaim thousands of acres of land, or the power company acquiring rights of immense value.

The drafting of the present code was not begun until a careful study had been made of the irrigation laws of all the Western States, in each case taken in connection with a further study of the results obtained under the various systems employed. The code, as included in this report, is the result of a number of conferences held at different times at which were present former State Engineers E. A. Chandler and Henry

Thurtell, Mr. D. W. Hayes, consulting irrigation engineer of Reno, Assistant Attorney-General Leonard Fowler, Mr. Walter Cole, and Mr. Oliver P. Morton, special attorney for the United States Reclamation Service, all of whom lent suggestions and assistance of very great value.

The modern tendency is to delegate the duty of collecting evidence in all complicated cases to an administrative officer or board, providing either for appeal to the courts from the findings of such officer or board, or requiring the approval of such findings by the court before they become final. There is ample justification in the decisions of supreme courts, which have passed upon the constitutionality of such procedure, for the confident belief that adjudications made in this manner are perfectly regular, and cannot be successfully attacked upon constitutional grounds.

The latest, and in my judgment the most perfect, of any of the systems now employed in the Western States, where the matter of adjudicating water rights was not directly covered by constitutional provisions, is provided for in the irrigation code of the State of Oregon, enacted in 1909, which effects the determination of rights by a scientific board consisting of two Division Superintendents and the State Engineer, the findings of the board passing to the court for review, after which a final decree in the matter is entered.

The Oregon code could not be adopted in its entirety owing to certain dissimilar conditions existing here and there, but in most essential details is embodied in the suggested Nevada code. It may be said at this time that the results obtained in Oregon during the past two years are such as to indicate that with a similar code upon our statute books five years' time would be sufficient for the determination of all the rights upon every important water source in the State of Nevada.

The changes suggested in the procedure incident to new appropriations of water are principally in the nature of details to facilitate the operation of this department in enforcing its regulations.

It is now practically impossible for the State Engineer or his assistants to inspect all of the works constructed under permits for the diversion and appropriation of water and a more extensive and more flexible organization is necessary. With this in view the new code contains provisions empowering the State Engineer to deputize competent surveyors throughout the State who will henceforth assist in making final proofs of appropriation under permits to this office somewhat in the same manner that deputies of the United States Surveyor-General execute surveys to be used in connection with the application for patent for mineral lands.

The suggested fee system is practically that now employed in Oregon against which, I am advised by the State Engineer of that State, no complaint has been made by the public.

A Suggested Water Law for Nevada

GENERAL PROVISIONS

SECTION 1. All water within the limits of the State from all sources of water supply belong to the public and are subject to appropriation for beneficial use.

All such waters not heretofore appropriated may be appropriated as provided in this Act, and not otherwise.

Beneficial use shall be the basis, the measure and the limit of the right to the use of water.

All water used in this State for irrigation purposes shall remain appurtenant to the land upon which it is used; *provided*, that if for any reason it should at any time become impracticable to beneficially or economically use water for the irrigation of any land to which the right of use of the same is appurtenant, said right may be severed from said land and simultaneously transferred and become appurtenant to other land in the manner provided in this Act, and not otherwise, without losing priority of right heretofore established.

SEC. 2. The beneficial use of water is hereby declared a public use, and any person may exercise the right of eminent domain to condemn all lands and other property or rights required for the construction, use and maintenance of any works for the lawful diversion, conveyance and storage of waters.

SEC. 3. Water may be stored for a beneficial purpose. Water turned into any natural channel or watercourse by any person entitled to the use thereof, including water stored in Nevada or in an adjoining State, may be reclaimed for beneficial use below, and diverted from said channel or watercourse by such person, subject to existing rights, due allowance for losses to be made, as determined by the State Engineer.

SEC. 4. The maximum quantity of water which may hereafter be appropriated in this State for irrigation purposes shall be as follows:

Where the water is diverted or conveyed directly upon the land, not to exceed one-seventieth of a cubic foot per second of water for each acre irrigated.

Where the water is stored, not to exceed four acre-feet for each acre of land supplied.

SEC. 5. The word "person" where used in this Act includes a corporation, an association, the United States, the State, as well as a natural person.

SEC. 6. The office of State Engineer is hereby created. The State Engineer shall be appointed by the Governor and shall receive a salary of thirty-six hundred dollars (\$3,600) per annum, payable in equal monthly installments by the State Treasurer, on warrants drawn by the State Controller. He shall keep his office at the State Capital. No person shall be appointed as State Engineer who does not have such training in hydraulic and general engineering, and such practical skill and experience as shall fit him for the position. He shall hold his office for the term of four years from and after his appointment, or until his successor shall have been appointed. The Governor may at any time for cause shown, which may be for incompetence, malfeasance or neglect of duty, remove said State Engineer. His successor shall in all cases have the qualifications as hereinbefore provided.

SEC. 7. Before entering upon the duties of his office, the State Engineer shall take and subscribe to 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 (\$5,000) with not less than two sureties to be approved by the Governor, conditioned for the faithful performance

of his duties and for the delivery to his successor or other person to be appointed by the Governor to receive the same, all maps, papers, books, instruments and other property belonging to the State then in his hands and under his control, or with which he may be chargeable, to such officer.

SEC. 8. The State Engineer shall perform such duties as may be prescribed by law. He shall employ a clerk at a salary not exceeding the sum of eighteen hundred dollars (\$1,800) per annum, and may employ such other assistants and purchase such material as may be necessary for the proper conduct and maintenance of his department, to be paid from the moneys which may be appropriated for such purposes from time to time; by the State Treasurer, on warrants drawn by the State Controller on the certificate of the State Engineer. The State Engineer or any of his assistants when called away from his office on official business, shall be entitled to actual traveling and other necessary expenses, which shall be paid from the funds appropriated for the conduct of his department, by the State Treasurer, on warrants drawn by the State Controller on the certificate of the State Engineer.

SEC. 9. The State Engineer shall prepare and deliver to the Governor on or before December 31st of the year preceding the regular session of the Legislature, and at other times when required by the Governor, a full report of the work in his office, including a detailed statement of the expenditures thereof, with such recommendations for legislation as he may deem advisable.

SEC. 10. The State of Nevada is hereby divided into two water divisions as follows:

Water Division No. 1 shall consist of all the lands embraced within the following counties, to wit: Elko, Eureka, Humboldt, White Pine, Lander and that portion of Nye County north of the Mount Diablo Base Line.

Water Division No. 2 shall consist of all the lands in the State not embraced within the boundaries of Water Division No. 1 as hereinbefore provided.

SEC. 11. There shall be one Superintendent of each water division who shall, as soon as possible after the passage of this Act be appointed by the Governor.

The first and subsequent appointments of the Superintendent of Water Division No. 1 shall be for a period of four years.

The first appointment of the Superintendent of Water Division No. 2 shall be for a period of two years and the subsequent appointments of the said Superintendent shall be for a period of four years.

Each of the said Superintendents shall serve for the period of his appointment unless removed by the Governor for cause shown, and until his successor shall have been appointed and shall have qualified. Each of the said Superintendents shall possess a general knowledge of the principles of hydraulics and of irrigation law and its administration.

Each of the said Superintendents shall receive a salary of three thousand dollars (\$3,000) per annum, payable in equal monthly installments by the State Treasurer on warrants drawn by the State Controller on the certificate of the State Engineer.

SEC. 12. Each of the said Superintendents shall execute the laws relative to the distribution of water in his district and shall have such other powers and perform such other functions as may be prescribed by law, or assigned to him by the Board of Control hereinafter provided for. He shall have authority to make such orders or reasonable regulations not inconsistent with the law, as may be necessary to secure an equitable distribution of water in accordance with the determinations of the Board of Control, adjudications of the courts, or any other provisions of law.

Any person who may deem himself aggrieved by any such order or regulation of such Division Superintendent shall have the right to appeal from the same to the Board of Control by filing with it a copy of the order or regulation complained of, and a statement of the manner in which the same injuriously affects the petitioner's interest. The board shall, after due notice, hear whatever testimony may be adduced by the petitioner, either orally, or by affidavit, and shall have the power to suspend, amend or confirm the order or regulation complained of.

SEC. 13. Before entering upon the duties of his office, each Division Superintendent shall take and subscribe to an official oath faithfully to perform the duties of his office, and shall file with the Secretary of State said oath and his official bond in the penal sum of five thousand dollars (\$5,000), with two or more sureties, to be approved by the Governor and conditioned for the faithful discharge of his duties.

SEC. 14. The State Engineer and the Superintendent of the two water divisions shall constitute a Board of Control, which shall have the supervision of the waters of the State and of their appropriation, distribution and diversion and of the various officers connected therewith. The said Board of Control shall have such other powers and perform such other functions as may be prescribed by law. The decisions of the said board in said matters shall be subject to appeal to the District and Supreme Courts.

The Board of Control shall have an office at the Capital at Carson City, and shall hold two regular meetings each year for the transaction of such business as may come before it, the first of said meetings to begin on the first Monday of April and the second of said meetings to begin on the first Monday in November.

The State Engineer shall be ex officio president of said board, and shall have a right to vote on all questions which may come before it, save in cases where appeals are taken from his decisions as hereinafter provided. A majority of said board shall constitute a quorum to transact business. The board shall have power to adjourn meetings from time to time, and to meet in special session at the call of the president or any two members. Notice of any special meeting must be given by registered mail to each member at least seven days before the date thereof, but such meeting may be held at any time when all the members of the board are present.

SEC. 15. The Clerk of the State Engineer shall be the Secretary of the Board of Control and shall serve in such capacity without additional compensation. He may be required by the board to furnish such bond as it may deem necessary to insure the faithful performance of his duties. He shall perform such duties as may be

imposed by law or shall be required of him by the said board, and he shall keep a true and complete record of the transactions of the said board. Said board may also employ such other assistants and purchase such material and supplies as may be necessary for the proper conduct of its business, to be paid for from the fund appropriated for such purposes, by the State Treasurer on warrants drawn by the State Controller, on the certificate of the Board of Control.

DETERMINATION OF WATER RIGHTS

SEC. 16. In any suit which may be brought in any District Court in the State for the determination of a right or rights to the use of waters of any stream, all persons who claim the right to use the waters of such stream and the stream system of which it is a part, shall be made parties. When any such suit has been filed, the court shall by its order duly entered, direct the State Engineer to furnish a complete hydrographic survey of such stream system, which survey shall be made as provided in Section 20 of this Act, in order to obtain all physical data necessary to the determination of the rights involved. The cost of such suit, including the costs on behalf of the State, and of such surveys, shall be charged against each of the private parties thereto in proportion to the amount of the water right allotted. In the case of any such suit the same may at any time after its inception, in the discretion of the court, be transferred to the Board of Control for determination as in this Act provided.

SEC. 17. For the purpose of advancing the money required for any surveys so ordered by the court, there is hereby appropriated and set apart from any moneys in the State Treasury not otherwise appropriated, the sum of three thousand dollars (\$3,000), to be known as the Hydrographic Fund. Such fund shall be used only for the payment of claims for services rendered, expenses incurred, or materials and supplies furnished under the direction of the State Engineer in the prosecution of said work, which claims shall be paid by the State Treasurer, on warrants drawn by the State Controller upon the certificates of the State Engineer. The amounts paid by the parties to said suit, on account of said surveys, shall be paid into the General Fund.

SEC. 18. Upon a petition to the Board of Control, signed by one or more water users upon any stream system, requesting the determination of the relative rights of the various claimants to the waters thereof, it shall be the duty of the board, if, upon investigation they find the facts and conditions such as to justify, to enter an order granting said petition, and directing the State Engineer to make such an examination as will enable the board to proceed with such determination. As soon as practicable after said order is made and entered, it shall be the duty of the said board to proceed with such determination as hereinafter provided. A water user upon or from any stream or body of water shall be held and deemed to be a water user upon the stream system of which said stream or body of water is a part or tributary.

SEC. 19. As soon as practicable after the Board of Control shall make and enter the order granting the said petition and directing the examination aforesaid by the State Engineer, the board shall

prepare a notice setting forth the fact of the entry of the said order and of the pendency of the said proceedings, which notice shall name a date when the Engineer shall begin the said examination, and shall set forth that all claimants to rights in the waters of the said stream system will, as in this Act provided, be required to make proof of their said claims, which notice shall be published for a period of four consecutive weeks in one or more newspapers of general circulation within the boundaries of the said stream system.

SEC. 20. At the time set in the said notice, the State Engineer, or some qualified assistant, shall proceed to make an examination of the said stream system and of the works diverting water therefrom, said examination to include the measurement of the discharge of said stream, unless proof is available from the measurements of the United States Government, and of the carrying capacity of all ditches and canals diverting water therefrom, a substantially accurate measurement of the lands irrigated and susceptible of irrigation from the said ditches and canals, and to take such other steps and gather such other data and information as may be reasonably ascertained, essential to the proper understanding of the relative rights of the parties interested. The State Engineer shall reduce his said observations and measurements to writing, and shall make them of record in his office, and he shall make, or cause to be made, a map on tracing linen on a scale of not less than two inches to the mile, showing with substantial accuracy the course of the said stream, the location of each ditch or canal diverting water therefrom, the area of each parcel of land upon which the water of the stream has been employed for the irrigation of crops or pasture, and indicating the kind of culture upon each of the said parcels of land, which map shall be prepared as the field work, as above provided, progresses, and which, when completed, shall be filed and made of record in his office. He shall prepare a report of the results of his said examinations, and accompanied by blue-print copies of said map, he shall file the same with the Board of Control, and such report and maps shall thereupon become a part of the record therein, and original evidence to be used in connection with such determination, and shall be exhibited for inspection at the time of taking of proofs and during the period during which such proofs and evidence shall be kept open for inspection in accordance with the provisions of this Act.

SEC. 21. As soon as practicable after the filing of the said report and maps by the State Engineer with the Board of Control, the said board shall fix a time when the Division Superintendent will commence the taking of proofs as to the rights in and to the waters of said stream system, and to fix a time, to be not less than sixty days after the date set for the commencement of the taking of said proofs, within which the said proofs shall be filed with the said Division Superintendent, and to prepare a notice setting forth the date when the said Division Superintendent will commence the taking of said proofs, and the date prior to which the same must be filed, which notice the said board shall cause to be published for a period of four consecutive weeks in one or more newspapers of general circulation within the boundaries of the said stream system, the date of the last publication of said notice to be not less than fifteen (15) days prior to the date fixed for the commencement of

taking of proofs by the said Division Superintendent. At or near the time of the first publication of said notice, it shall be the duty of the said board to send by registered mail to each person, hereinafter designated as claimant, claiming rights in or to the waters of said stream system, in so far as such claimants can be reasonably ascertained, a notice equivalent in terms to the said published notice, setting forth the date when the said Superintendent will commence the said taking of proofs, and the date prior to which said proofs must be filed with said Superintendent. Said notice must be mailed at least thirty days prior to the date fixed for the commencement of taking of said proofs.

SEC. 22. The Board of Control shall, in addition, enclose with the notice to be mailed as aforesaid, blank forms upon which said claimant shall present in writing and in duplicate, all the particulars necessary for the determination of his right in or to the waters of the said stream system, the said statement to include:

- (a) The name and postoffice address of the claimant.
- (b) The nature of the right or use on which the claim is based.
- (c) The time of the initiation of such right and a description of works of diversion and distribution.
- (d) The date of beginning of construction.
- (e) The date when completed.
- (f) The dates of beginning and completion of enlargements.
- (g) The dimensions of the ditch as originally constructed and as enlarged.

(h) The date when water was first used for irrigation or other beneficial purposes, and if used for irrigation, the amount of land reclaimed the first year, the amount in subsequent years, with the dates of reclamation, and the amount and general location of the land such ditch is intended to irrigate.

(i) The character of the soil and the kind of crops cultivated, and such other facts as will show the extent and nature of the right and a compliance with the law in acquiring the same.

SEC. 23. Each claimant shall be required to certify to his statements, under oath, and the Superintendent of the Water Division in which the testimony is taken is hereby authorized to administer such oaths, which shall be done without charge to the claimant, as shall be also the furnishing of blank forms for said statement.

SEC. 24. Upon the date fixed by the board and named in the notice, provided for herein for the commencement of the taking of proofs, the Division Superintendent shall begin to take such proofs, and shall proceed therewith during the period fixed by the said board and named in the said notice, after which no proofs will be received by or filed with the said Division Superintendent; *provided, however,* that the Board of Control may, for cause shown, in its discretion, extend the time within which proofs may be filed. Any person, who shall fail to appear herein and make proof of his claim or rights in or to the waters of said stream system, as required by this Act, prior to the expiration of the period fixed by said board during which proofs may be filed, shall be deemed and held to be in default, and to have no right, title or interest in or to the waters of such stream system.

Any person interested in the water of any stream upon whom

no service of notice shall have been had of the pendency of proceedings for the determination of the relative rights to the use of the water of said stream system, and who shall have no actual knowledge or notice of the pendency of said proceedings, may at any time prior to the expiration of one year after the entry of the determinations of the board, file a petition to intervene in said proceedings. Such petition shall be under oath and shall contain, among other things, all matters required by this Act of claimants who have been duly served with notice of said proceedings, and also a statement that the intervener had no actual knowledge or notice of the pendency of said proceeding. Upon the filing of said petition in intervention, the petitioner shall be allowed to intervene upon such terms as may be equitable, and thereafter shall have all rights vouchsafed by this Act to claimants who have been duly served.

SEC. 25. At the time of submission of proof of appropriation, the Division Superintendent shall collect from such claimant the sum of one dollar (\$1) for the purpose of recording the water-right certificate, when issued, in the office of the County Recorder, together with the additional fee of fifteen cents for each acre of irrigated lands up to and including one hundred acres, ten cents for each acre in excess of one hundred acres and up to and including one thousand acres, and five cents per acre for each acre in excess of one thousand acres; also twenty-five cents for each theoretical horsepower up to and including one hundred horsepower, fifteen cents for each horsepower in excess of one hundred horsepower and up to and including one thousand horsepower, and five cents for each horsepower in excess of one thousand horsepower as set forth in such proof, the minimum fee, however, for any claimant to be five dollars (\$5), also a fee of five dollars (\$5) for any other character of claim to water. All fees collected by the Division Superintendent shall be accounted for and delivered monthly to the Board of Control, and shall be paid by the secretary of said board into the General Fund, except, however, those fees due or to be paid to the County Recorder.

SEC. 26. As soon as practicable after the expiration of the period in which proofs may be filed, the Division Superintendent shall transmit by registered mail, or in person, to the office of the Board of Control, one of each of the duplicate proofs filed with him, and it shall be the duty of the secretary of the said board to at once prepare an abstract of all of the said proofs, which after certification by the Board of Control shall be printed in the State Printing Office. As soon as practicable the Board of Control shall fix a time and place when and where the evidence taken by or filed with such Superintendent shall be open to the inspection of all persons interested, said period of inspection to be not less than ten (10) days and a notice, together with one printed copy of the aforesaid abstract of proofs, shall be sent by registered mail at least thirty (30) days prior to first day of such period of inspection, to each person who has appeared and filed proof as herein provided. Said notice shall set forth that at a time and place named therein, as fixed by the said board, said evidence will be open to such inspection for the period fixed by said board of aforesaid. The Division Superintendent shall be present at the time and place indicated in said notice, and allow, during said period, any person interested to inspect such evi-

dence and proofs as have been filed with him in accordance with this Act.

SEC. 27. Any person interested may contest the statements and proofs of claims filed with the Division Superintendent by any claimant to the waters of such stream system, as herein provided, and any claimants to water under application for permit made to the State Engineer, while not required to be a party, may intervene, but all persons failing to so contest or intervene, shall be deemed to have acquiesced in, and acknowledged all claims to the right in and to the waters of said stream system not contested by them. Each person so contesting, or intervening, shall be denominated the contestant, and the claimant whose rights shall be contested, the contestee, and such contest shall be commenced by filing a notice of contest with the Division Superintendent, within ten (10) days from the last day of the period fixed in the notice for inspection, or such further time as for good cause shown may be allowed by the Division Superintendent upon application made prior to the expiration of said ten (10) days. Such notice of contest shall state with reasonable certainty the grounds of the proposed contest, and shall be verified by the affidavit of the contestant, his agent or attorney, and a copy thereof shall be prepared and filed with the said Superintendent for service on each contestee named therein. Such notice of contest, together with the contestant's statement and proof of claim, theretofore filed therein, shall constitute the complaint of such contestant against such contestee, and the statement and proof of the contestee named in such notice shall constitute his answer thereto. Such contestee also may set up any new matter he may have as a defense to the allegations of contestant's statement and proof of claim and notice of contest, by answer, in which case contestant may reply thereto.

SEC. 28. The Division Superintendent shall fix a time and place for the hearing of such contest, which date shall not be less than thirty (30) nor more than sixty (60) days from the date the notice of such hearing is served on the person whose rights shall have been contested. Said notice may be sent by registered mail to said person, and the receipt thereof shall constitute valid and legal service. Said notice may also be served and returns thereof made in the same manner as summons are made in civil actions in the District Court, but such service may be served by any person, qualified and competent to serve subpoenas in civil actions, appointed by the Division Superintendent. Division Superintendents shall have power to adjourn hearings from time to time upon reasonable notice to all the parties interested, and to issue subpoenas and compel the attendance of witnesses to testify upon such hearings, which shall be served in the same manner as subpoenas issued out of the District Courts of the State, and shall have power to compel said witnesses, so subpoenaed, to testify and give evidence in said matter, and to punish for contempts committed in his presence, or for failure to so testify. Said witnesses shall receive fees as in civil cases, the costs to be taxed in the same manner as in civil actions in this State. The evidence in such proceeding shall be confined to the subjects enumerated in the notice of contest and answer and reply, when the same are permitted to be filed. All testimony taken at such hear-

ing shall be reported and transcribed in its entirety. The Board of Control shall make rules, not in conflict herewith, governing the practice and procedure in such contests, which shall be furnished upon application to any interested party in such contest.

Sec. 29. The Superintendent shall require a deposit of five dollars (\$5), from each party for each day he shall be so engaged in taking evidence of such contest. Upon the final determination of the matter by the Board of Control, an order shall be entered directing that the money so deposited shall be refunded to the person or persons in whose favor such contest shall be determined, and that all moneys deposited by other parties therein shall be turned over by the Superintendent to the Board of Control who shall pay the same into the General Fund upon adjournment of the next regular meeting of the board after such determination.

Sec. 30. Upon the completion of the hearing of contests, the Division Superintendent shall transmit in person, or by registered mail, to the Board of Control, all evidence and proofs in his possession, together with a full transcript, in duplicate, of all evidence and testimony taken in all contests, which shall be filed with the said board.

Sec. 31. As soon as practicable after the receipt and filing of such evidence, proofs and transcripts with the Board of Control, as hereinbefore provided, it shall be the duty of the said board to make and cause to be entered of record in its office, an order determining and establishing the several rights in and to the waters of the said stream system, which order shall set forth the name and postoffice address of each owner of said right, the priority, extent, and purpose of such right, and if such water be for irrigation purposes, a description of the lands, by legal subdivision, where possible, to which the said right is appurtenant. The determination of the board shall be in full force and effect from the date of its entry in the records of the board, unless and until its operation shall be stayed by a stay bond as provided for by this Act. As soon as practicable thereafter, a certified copy of the said order, together with the original evidence and transcripts of testimony filed with the board as aforesaid, duly certified by the secretary of said board, shall be filed with the clerk of the county in which the said stream system is situated, and if said stream system, or any part thereof, is situated within the boundaries of more than one county, then the same shall be transmitted to the clerk of such one of said counties as the Board of Control shall determine, and the District Court in and for the said county shall have jurisdiction of said proceedings. A certified copy of the order shall also be filed in the office of the County Clerk of each county within which the said stream system, or any part thereof is situate. Upon the filing of the certified copy of the order of the board, evidence and transcript with the District Court, of the county in which the determination is to be had, the board shall procure an order from said District Court, or any judge thereof, fixing the time at which the determination shall be heard in said court. Copies of this order, certified by the clerk of said court, shall be filed by the board as soon as practicable in the office of the County Clerk of each county in which said determination is filed.

Sec. 32. From and after the filing of the evidence and tran-

script and order of determination in the District Court, the proceedings shall be as nearly as may be like those in civil actions. Within thirty days from the filing of such evidence and order in the District Court, or within such further time as the court may for good cause allow, any party may file exceptions to the determination. If no exceptions shall be filed, the court shall on the day set for hearing enter a decree affirming the determination of the board.

All parties may be heard by counsel upon the consideration of the exceptions. The court may, if necessary, remand the case for such further evidence to be taken by the Superintendent of the Water Division as it may direct, and may require a further determination by the board. After the hearing, the court shall enter a decree affirming or modifying the order of the Board of Control. Upon the hearing, the court may assess and adjudge against any party such costs as it may deem just. Appeals may be taken to the Supreme Court from such decree in the same manner and with the same effect as in other civil cases, except that notice of appeal must be served and filed within sixty days from the entry of the decree.

Sec. 33. The Clerk of the District Court, immediately upon the entry of any decree by the District Court or by the judge thereof, shall transmit a certified copy of said decree to the Secretary of the Board of Control. The secretary shall immediately enter the same upon the records of such office and the State Engineer shall forthwith issue to the superintendent or superintendents of water divisions instructions in compliance with the said decree, and in execution thereof.

Sec. 34. During the time the hearing of the order of the Board of Control is pending in the District Court, and until a certified copy of the judgment, order or decree of the District Court is transmitted to the Board of Control, the division of water from the stream involved in such appeal shall be made in accordance with the order of the board.

Sec. 35. At any time after the determination of the board has been entered of record, the operation thereof may be stayed in whole or in part by any party by filing a bond in the District Court wherein such determination is pending in such amount as the judge thereof may prescribe, conditioned that such party will pay all damages that may accrue by reason of such determination not being enforced. Immediately upon the filing and approval of such bond, the Clerk of the District Court shall transmit to the Board of Control a certified copy of such bond, which shall be recorded in the records of such board, and the State Engineer shall immediately give notice thereof to the superintendent of the proper water divisions.

Sec. 36. Within six months from the date of the decree of the District Court determining the rights upon any stream, or, if appealed, within six months from the decision of the Supreme Court, the Board of Control or any party interested, may apply to the District Court for a rehearing upon grounds to be stated in the application. Thereupon, if, in the discretion of the court, it shall appear that there are good grounds for the rehearing, the District Court, or judge thereof, shall make an order fixing a time and place when such application shall be heard. The Clerk of the District Court

shall, at the expense of the petitioner, forthwith mail written notice of said application to the Board of Control and to every party interested, and state in such notice the time and place when such application will be heard.

SEC. 37. The members of the Board of Control may administer oaths in the performance of their official duties.

SEC. 38. The Secretary of the Board of Control shall collect the following fees, which shall be paid in advance, and accounted for to the board, which fees shall be paid into the General Fund of the State Treasury by such board at the adjournment of each regular meeting: For making transcripts of the records of the Board of Control or of papers or documents filed with said board, one dollar for the first folio, and ten cents for each additional folio; for attaching certificate and seal of the board to each transcript, one dollar.

SEC. 39. Upon the final determination of the relative rights in and to the waters of any stream system, it shall be the duty of the Secretary of the Board of Control to issue to each person represented in such determination a certificate to be signed by the President of the Board of Control, and attested under seal by the secretary of said board, setting forth the name and postoffice address of the owner of the right, the priority, extent and purpose of such right; and if such water be for irrigation purposes, a description of the land, by legal subdivision when possible, to which said water is appurtenant. Such certificate shall be transmitted by the President, or other members of the Board of Control, in person or by registered mail, to the County Recorder of the county in which said right is located, and it shall be the duty of the County Recorder upon the receipt of the recording fee of one dollar, collected as hereinbefore provided, to record the same in a book especially prepared and kept for that purpose, and thereupon immediately transmit the certificates to the respective owners.

SEC. 40. The Board of Control shall have authority and power in making a final determination as to the rights to the waters of any stream, to fix a time limit for the completion of all appropriations of water from such stream, where such rights of appropriation were initiated prior to March 1, 1905, and such appropriators having been duly notified as provided in this Act, must appear and submit their statements and proofs of claim, or they shall be deemed and held to be in default, and to have abandoned or to have no right, title or interest in or to the waters of such stream. In determining rights of such appropriators the board shall prescribe such a reasonable time for the completion of such appropriations, and the application of the water appropriated to a beneficial use, as will enable such appropriators acting in good faith and with due diligence to complete the same. The findings of said board shall provide for the submission of proof or evidence as to the completion of such appropriation and the amount of water actually applied to beneficial use, upon the expiration of such time limit, and shall, in accordance with such proof, enter supplemental findings, establishing and determining such rights of appropriation, in so far as the same shall have been completed; and certificates of water right shall be issued in accordance with such supplemental findings and order of determination of said board; but this section shall not be construed to confer any

rights of appropriations upon parties who shall have abandoned their said appropriations or failed to use due diligence in the application of the water to a beneficial use and in the completion of their appropriations; and all such appropriators, who shall fail to complete their said appropriations within the limit of time fixed by said board in said findings, or such further time granted upon application made prior to the expiration of such time limit, as such board shall find equitable and just, shall be deemed to have abandoned their rights of appropriation, and rights acquired by virtue thereof waived, and such appropriators shall be deemed and held to have no right, title or interest in or to the waters of such stream by virtue of their said appropriations.

SEC. 41. The words "stream system" as used in this Act, shall be interpreted as including any stream together with its tributaries and all streams or bodies of water to which the same may be tributary.

SEC. 42. The Board or Control shall have the power to make and carry into effect such reasonable rules and regulations for the furnishing to claimants of blue prints of particular parcels of land shown on the map prepared by the State Engineer, and for such supplementary surveys and examinations or such inspection by the State Engineer or the Division Superintendent, as the case may be, as may be required, to the end that examinations and surveys of the State Engineer may be made, in so far as practicable, available to the claimant for attachment to the proofs to be filed by them.

APPORTIONMENT OF WATER

SEC. 43. The Board of Control shall divide each water division into water districts and said water districts are to be so constituted as to assure the best protection for the water user, and the most economical supervision on the part of the State. Said water districts shall not be created until a necessity therefor shall arise, and shall be created from time to time as the claims thereof from the streams of the State shall be determined.

SEC. 44. It shall be the duty of each Division Superintendent to divide, or cause to be divided the waters of the natural streams or other sources of supply in each district within his water division, among the several ditches and reservoirs taking water therefrom, according to the rights of each respectively, in whole or in part, and to shut and fasten, or cause to be shut and fastened, the head-gates of ditches, and to regulate, or cause to be regulated, the controlling works of reservoirs, in time of scarcity of water, as may be necessary by reason of the rights existing from said streams of said district.

The Division Superintendent shall have authority to regulate the distribution of water among the various users under any partnership ditch or reservoir, where rights have been determined, in accordance with existing decrees.

The Division Superintendent shall, as near as may be, divide, regulate and control the use of the water of all streams within each water division in his water district by such closing, or partial closing, of the head-gates as will prevent the waste of water, or its use in excess of the volume to which the owner of the right is lawfully

entitled, and any person who may be injured by the action of the said Division Superintendent shall have the right to appeal to the District Court for an injunction. Such injunction shall only be issued in case it can be shown at the hearing that the Division Superintendent has failed to carry into effect the order of the Board of Control or decrees of court determining the existing rights to the use of water.

Whenever, in the pursuance of his duties, the Division Superintendent regulates, or causes to be regulated, a head-gate to a ditch, or the controlling works of reservoirs, a written notice properly dated and signed by said superintendent, or some duly authorized assistant, setting forth the fact that such head-gate, or controlling works, has been properly regulated, and is wholly under his control, shall be posted at said head-gate, or controlling works, and such notice shall be a legal notice to all parties interested in the diversion and distribution of the water of such ditch or reservoir.

It shall be the duty of the District Attorney to appear for, or in behalf of, the Division Superintendent, or any duly authorized assistant, in any case which may arise in the pursuance of the official duties of any such officer within the jurisdiction of said District Attorney.

It shall be the duty of the Division Superintendent to submit such reports of said matters to the Board of Control as may be required of him by the said board.

SEC. 45. Any person who shall wilfully open, close, change or interfere with any lawfully established head-gate or water-box without authority, or who shall wilfully use water or conduct water into or through his ditch which has been lawfully denied him by the Division Superintendent, or any of his duly authorized assistants, shall be deemed guilty of a misdemeanor.

The possession or use of water, when the same shall have been lawfully denied by the Division Superintendent, or other competent authority, shall be *prima facie* evidence of the guilt of the person using it.

SEC. 46. The owner or owners of any ditch or canal shall maintain, to the satisfaction of the Division Superintendent of the water division in which the works are located, a substantial head-gate at the point where the water is diverted, which shall be of such construction that it can be locked and kept closed by the said Division Superintendent, or his assistants, and such owner shall construct and maintain, when required by the Division Superintendent, suitable measuring devices at such points along such ditch as may be necessary for the purpose of assisting the said Division Superintendent, or his assistants, in determining the amount of water that is to be diverted into said ditch, or taken from it by the various users.

Any and every owner or manager of a reservoir, located across or upon the bed of a natural stream, shall be required to construct and maintain, when required by the Division Superintendent, a measuring device of a plan to be approved by the State Engineer, below such reservoir, and a measuring device to be approved as above, on each or every stream, or source of supply discharging into such reservoir, for the purpose of assisting the Division Super-

intendent or his assistants, in determining the amount of water to which appropriators are entitled, and thereafter diverting it for such appropriator's use.

When it may be necessary for the protection of other water users, the Division Superintendent may require flumes to be installed along the line of any ditch. If any such owner or owners of works for the diversion and distribution of water shall refuse or neglect to construct and install such head-gates, flumes or measuring devices after ten days' notice the Division Superintendent may close such works, and the same shall not be opened or any water diverted from the source of supply, under the penalties prescribed by law for the opening of head-gates lawfully closed, until the requirements of the Division Superintendent as to such head-gates, flumes, or measuring devices have been complied with, and if any owner or manager of a reservoir located across the bed of a natural stream shall neglect or refuse to install such measuring device after ten days' notice by the Division Superintendent, such superintendent may open the sluice-gate, or outlet of such reservoir, and the same shall not be closed under penalties of the law for changing or interfering with head-gates until the requirements of the Division Superintendent as to such measuring devices are complied with.

SEC. 47. The Division Superintendent, or his assistants within the district for which such assistant is appointed, shall have power to arrest any person violating any of the provisions of this Act, and to turn them over to the Sheriff, or other competent police officer within the county, and immediately on delivering any such person so arrested into the custody of the Sheriff, it shall be the duty of the Division Superintendent, or his attendant making such arrest, to immediately, in writing, and upon oath, make complaint before the proper Justice of the Peace against the person so arrested.

SEC. 48. The Division Superintendent shall have power to appoint one or more assistants, who shall be known as Water Commissioners, in each water district, who, under the general direction of the Division Superintendent, shall execute the laws prescribed in sections 43 to 47, inclusive, of this Act. Such assistants shall be appointed when and for such time as, in the judgment of the Division Superintendent, a necessity for their services exists. The entire compensation of such assistants, including traveling and other expenses, shall not exceed the sum of five dollars (\$5), for each day that such assistant may be actually employed on said duties, and the claims of such assistants, certified to by the said Division Superintendent, and the President of the Board of Control, shall be paid by the county in which the water district for which said appointment is made, is situated.

STATE WATER RIGHT SURVEYORS

SEC. 49. The position of State Water Right Surveyor is hereby created.

Every person desiring the appointment as State Water Right Surveyor of this State, must present to the State Engineer a certificate that he is a practical surveyor, familiar with the methods of measuring the flow of water in open channels, and a person of good moral standing, together with his oath to support the Constitution of

the State and the United States, and to faithfully discharge the duties of a State Water Right Surveyor as defined in this Act.

SEC. 50. After having satisfied himself that such person possesses the qualifications hereinbefore provided, the State Engineer shall, on receipt of such certificate and oath, and upon the filing by the applicant for such appointment, of a good and sufficient bond in the sum of five hundred dollars, (\$500), for the faithful performance of his duties in connection with any application for permit, any permit to appropriate the public waters, or any proof thereunder, appoint such person as a State Water Right Surveyor, to serve for a period of two years, unless sooner removed by the State Engineer for cause, which may be for incompetence, malfeasance or neglect of duty. As many qualified surveyors as may apply, and who shall comply with the provisions of this Act relating thereto, shall be appointed.

No State Water Right Surveyor shall receive compensation from the State for any service performed in pursuance of any order of the State Engineer, as provided in this Act, except that the State Engineer may employ such Water Right Surveyor as other assistants in his department are employed to perform such services as are purely public in their nature.

SEC. 51. The State Engineer may require any and all applicants for said position to pass an examination of their qualifications, but any such person who may possess a diploma from any engineering department of the Nevada State University, upon submission of proof of good moral character, and after compliance with all other provisions of this Act, shall be appointed without examination.

SEC. 52. A list of the names and addresses, and dates of appointment of all persons appointed as State Water Right Surveyor shall be recorded in the office of the State Engineer in a book especially kept for such purpose.

APPROPRIATION OF WATER

SEC. 53. Any person desiring to appropriate any of the public waters, or to change the place of diversion, manner of use or place of use of water already appropriated, shall before performing any work in connection with such appropriation, make an application to the State Engineer for a permit to make the same.

No application shall be for the water of more than one source to be used for more than one purpose. Each application for a permit to appropriate water shall contain the following information.

(a) The name and postoffice address of the applicant, and if the applicant be a corporation, the date and place of incorporation.

(b) The name of the source from which the appropriation is to be made.

(c) The amount of water which it is desired to appropriate, expressed in terms of cubic feet per second except in application for permit to store water where the amount shall be expressed in acre-feet.

(d) The purpose for which the appropriation is to be made.

(e) A substantially accurate description of the location of the place at which the water is to be diverted from its source, and if

any of such water is to be returned to the source, a description of the location of the place of return.

(f) A description of the proposed works.

(g) The estimated cost of such works.

(h) The estimated time required to construct said works, and the estimated time required to complete the application of the water to beneficial use.

(i) The signature of the applicant or his properly authorized agent.

In addition to the foregoing, the application shall contain if for irrigation purposes, except in case of application for permit to store water, the number of acres to be irrigated and a description by legal subdivisions, where possible, of the lands to be irrigated; if for power purposes, the vertical head under which the water will be applied, the location of the proposed power-house, and, as near as may be, the use to which the said power is to be applied; if for municipal supply, or for domestic use, the approximate number of persons to be served, and the approximate future requirements; if for mining purposes, the proposed method of applying and utilizing the water; if for stock watering purposes, the approximate number and character of animals to be watered; if for any purpose contemplating the storage of waters, in addition to the information required in applications naming the said purpose, it shall give the dimensions and location of the proposed dam, the capacity of the proposed reservoir and a description of the land to be submerged by the impounded waters. Every application for permit to change the place of diversion, manner of use or place of use of water already appropriated, shall contain such information as may be necessary to a full understanding of the proposed change, as may be required by the State Engineer. All applications for permit shall be accompanied by such maps and drawings, and such other data, as may hereafter be prescribed by the State Engineer, with the approval of the Board of Control, and such accompanying data shall be considered as a part of the application.

SEC. 54. Upon receipt of an application, which shall be upon a blank form to be prescribed by the State Engineer, and supplied the applicant without charge, it shall be the duty of the State Engineer to make an endorsement thereon of the date of its receipt, and to keep a record of the same. If upon examination the application is found to be defective, it shall be returned for correction or completion with advice of the reasons therefor, and the date of the return thereof shall be endorsed upon the application and made a record of his office. No application shall lose its priority of filing on account of such defects, provided the application, properly corrected and accompanied by such maps and drawings, as may be required, is filed in the office of the State Engineer within sixty (60) days from the date of said return to applicant. Any application returned for correction, or completion, not refiled in proper form within the said sixty days shall be canceled. All applications which shall comply with the provisions of the Act shall be recorded in a suitable book kept for that purpose.

SEC. 55. Within ten days after the acceptance of any application in proper form, the State Engineer shall advise the applicant

by registered mail of the amount of the cost of publishing a notice of said application, which is hereby fixed in the sum of ten dollars (\$10), and it shall be the duty of the said applicant within fifteen days of the mailing of such advice by the State Engineer, to deposit with the State Engineer the said sum. On receipt of said deposit the State Engineer shall cause to be published for the period of four consecutive weeks in some newspaper of general circulation in the county in which the water is to be diverted, a notice of such application, which shall set forth that said application has been filed, the date of said filing, the name and address of the applicant, the name of the source from which the appropriation is to be made, the location of the place of diversion, and the purpose for which said water is to be appropriated, to which shall be added by the publisher the date of first publication, and the date of last publication thereof. Upon proof of such publication, the State Engineer shall pay for the same from the moneys deposited by the applicant for such purpose. Should the applicant, after said advice by the State Engineer, fail to deposit the amount required for such publication within the time hereinbefore provided, the said application shall be canceled and no further proceedings shall be had thereunder.

Sec. 56. Any person interested may, within thirty (30) days from the date of last publication of the said notice of application, file with the State Engineer a written protest against the granting of said application, setting forth with reasonable certainty the grounds of such protest, which shall be verified by the affidavit of the protestant, his agent or attorney. On receipt of a protest, as hereinbefore provided, it shall be the duty of the State Engineer to advise the applicant whose application has been protested of the fact that said protest has been filed with him, which advice shall be sent by registered mail. The State Engineer shall duly consider the said protest, and may, in his discretion, hold hearings and require the filing of such evidence as he may deem necessary to a full understanding of the rights involved; *provided, however*, that no hearing thereon shall be had except after due notice by registered mail to both the applicant and protestant, which notice shall give the time and place at which the said hearing is to be held, which notice shall be mailed at least fifteen days prior to the date set for said hearing.

Sec. 57. It shall be the duty of the State Engineer to approve all applications made in proper form where all fees, as in this Act provided, have been paid, which contemplate the application of water to beneficial use, and where the proposed use or change does not tend to impair the value of existing rights, or be otherwise detrimental to the public welfare. But where there is no unappropriated water in the proposed source of supply, or where the proposed use or change conflicts with existing rights, or threatens to prove detrimental to the public interests, it shall be the duty of the State Engineer to reject said application and refuse to issue the permit asked for. When any application is ready for approval it shall be the duty of the State Engineer to advise the applicant by registered mail of such fact, and of the amount of fee required for approving same. Should the applicant within thirty days of the mailing of said advice by the State Engineer fail to deposit with the State

Engineer the said fee, the said application shall be canceled and no further proceedings shall be had thereunder.

Sec. 58. The refusal or approval of an application shall be endorsed thereon, and a record made of such endorsement in the State Engineer's office: the application so endorsed shall be returned to the applicant. If approved, the applicant shall be authorized on receipt thereof, to proceed with the construction of the necessary works and to take all steps required to apply the water to beneficial use and to perfect the proposed appropriation. If the application is refused the applicant shall take no steps toward the prosecution of the proposed work or the diversion and use of the public water so long as such refusal shall continue in force.

Sec. 59. Before either approving or rejecting the application, the State Engineer may require such additional information as will enable him to properly guard the public interest, and may in case of application proposing to divert more than ten cubic feet per second of water, require a statement of the following facts: In case of incorporated companies he may require the submission of the articles of incorporation, and names and the places of residence of directors and officers, and the amount of its authorized and of its paid-up capital. If the applicant is not an incorporated company, he may require a statement as to the name or names of the party or parties proposing to construct the work, and a showing of facts necessary to enable him to determine whether or not they have the financial ability to carry out the proposed work, and whether or not the said application has been made in good faith.

Sec. 60. In his indorsement of approval upon any application the State Engineer shall set a time prior to which actual construction work shall begin, which shall not be more than one year from the date of such approval; a time prior to which the construction of the said works must be completed, which shall be within five years of the date of such approval, and a time prior to which the complete application of water to a beneficial use must be made, which time shall not exceed ten years from the date of the said approval. He may limit the applicant to a less amount of water than that applied for, to a less period of time for the completion of work, and a less period of time for the perfecting of the application than named in the application. The State Engineer shall have authority, for good cause shown, to extend the time within which irrigation or other work shall be completed, or water applied to a beneficial use, under any permit therefor issued by said Engineer; *provided, however*, that application for such extension must in all cases be made prior to the time set in the application limiting the period which it is desired to extend.

Sec. 61. Any application for permit or any permit to appropriate water, may be assigned subject to the conditions of the permit, but no such assignment shall be binding except between the parties thereto, unless filed for record in the office of the State Engineer.

Sec. 62. It shall be the duty of any person holding a permit from the State Engineer, on or before thirty (30) days after the date set for the commencement of work as endorsed thereon, to file with

the State Engineer the statement setting forth the time when, the place where, and the amount of such work as may have been performed by him thereunder in connection with such appropriation, and it shall be the further duty of the applicant within thirty (30) days after the date set for the completion of such work to file in detail, a description of the said works as actually constructed, which statement shall be verified by the affidavit of the applicant, his agent, or his attorney.

Should any applicant fail, prior to the date set for such filing in his permit to file with the State Engineer, proof of commencement of work, or should the said applicant fail to file within thirty (30) days of the date set prior to which proof of completion of the work must be made, said proof of completion of work, as hereinbefore provided, the State Engineer shall, in either case, advise the holder of said permit, by registered mail, that the same is held for cancellation, and should the said holder within thirty days after the mailing of such advice fail to file the required affidavit with the State Engineer, the said permit shall be canceled and no further proceedings shall be had thereunder.

SEC. 63. If, in the judgment of the State Engineer, the holder of any permit to appropriate the public water is not proceeding in good faith and with reasonable diligence to perfect said appropriation, the State Engineer may require at any time the submission of such proof and evidence as may be necessary to show a compliance with the law, and the State Engineer shall, after duly considering said matter, if, in his judgment, the said holder of a permit is not proceeding in good faith and with reasonable diligence to perfect the said appropriation, cancel the said permit, and advise the holder of said permit of said cancellation.

SEC. 64. Every person holding a permit from the State Engineer to appropriate the public waters who has completed the work necessary to effect the said appropriation and has made proof thereof, as in this Act provided, shall, on or before the date set in such permit, limiting the time in which the water appropriated thereunder must be applied to beneficial use, apply to the State Engineer for an order directing a State Water Right Surveyor to make an examination of such appropriation on the premises, and it shall be the duty of the State Engineer upon the receipt of such application to issue an order to a State Water Right Surveyor, who may be designated by the said applicant, directing the said surveyor to make an examination of the said appropriation.

SEC. 65. Within sixty (60) days after the receipt of an order from the State Engineer, as provided in Section 64, it shall be the duty of the said State Water Right Surveyor to make an examination of the said appropriation, which examination shall include:

- (a) The location of the works of diversion of distribution and of the capacity of said works.
- (b) A measurement of the water actually applied to beneficial use.
- (c) A measurement of the water returned to the source after such use, if there be any such water.
- (d) If the appropriation be for irrigation, a measurement of the lands actually irrigated with the water appropriated.

(e) Such further examination as may be necessary to determine the nature and extent of the appropriation as may be required by the State Engineer.

Such Water Right Surveyor shall reduce his said observations to writing in a form prescribed by the State Engineer, and shall certify to the same under oath.

SEC. 66. It shall be the further duty of the said State Water Right Surveyor, in accordance with such regulations as may be hereafter prescribed by the State Engineer, with the approval of the Board of Control, to make a map showing the source from which the appropriation is made; the location of the works of diversion and distribution as actually constructed, and if the said appropriation be for irrigation purposes, the land upon which the water has been actually applied, together with a certificate of the said surveyor that the said map was prepared from actual survey and determinations made by him, or under his direction. The said report and map shall be filed by the said State Water Right Surveyor with the State Engineer, within ninety (90) days of the date of mailing of the said order directing said examination, unless an additional length of time shall be allowed by the State Engineer in which to file said report and map.

SEC. 67. Upon receipt of the said report and map from the State Water Right Surveyor, in proper form as provided by this Act and the regulations thereunder, and after a receipt from the holder of such permit of a certificate, that all costs of the said examination have been paid, it shall be the duty of the State Engineer to approve the said report and map and to refer the matter to the Board of Control, which shall issue a certificate of appropriation setting forth the name and address of the appropriator, the date of the appropriation; the name of the source from which the appropriation is made; the amount of the appropriation, and if the purpose thereof be for irrigation, a description of the lands, by legal subdivision, when possible, to which the said water is appurtenant, which certificate, shall, within thirty days after its issuance, be sent by registered mail to the Recorder of the county in which such water is diverted from its source, as well as to the Recorder of the county in which the water is used, to be recorded in books specially kept for that purpose, and the fee for recording such certificate, which is hereby fixed in the sum of one dollar for each county in which said record is made, shall be paid in advance to the Board of Control by the party in whose favor the certificate is issued.

SEC. 68. The following fees shall be collected by the State Engineer in advance, and shall be accounted for and paid by him into the General Fund of the State Treasury, on or before the 10th day of each month:

- (a) For examining and filing an application for permit to appropriate water, five dollars (\$5).
- (b) For examining and filing an application for permit to change place of diversion, manner of use, or place of use, twenty-five dollars (\$25), which shall include the cost of permit should the same issue thereunder.
- (c) For issuing and recording permit to appropriate water for irrigation purposes; five cents per acre for each acre to be irrigated,

up to and including one hundred acres, and three cents for each acre in excess of one hundred acres up to and including one thousand acres, and two cents for each acre in excess of one thousand acres.

(d) For issuing and recording permit for power purposes, twenty-five cents for each theoretical horsepower to be developed up to and including one hundred horsepower, and fifteen cents for each horsepower in excess of one hundred horsepower, up to and including one thousand horsepower, and ten cents for each horsepower in excess of one thousand.

(e) For issuing and recording permit to store water, two cents for each acre-foot of water to be stored, up to and including one thousand acre-feet, and one cent for each acre-foot in excess of one thousand.

(f) For issuing and recording permit to appropriate water for any other purpose, \$5 for each second-foot of water applied for, or fraction thereof.

(g) For filing secondary permit under reservoir permit, \$5; for approving and recording secondary permits under reservoir permits, \$5.

(h) For filing proof of commencement of work, \$1.

(i) For filing proof of completion of work under any permit, \$1.

(j) For filing any protest, affidavit, or any other water-right instrument or paper, \$1.

(k) For making copy of any document recorded or filed in his office, one dollar for the first hundred words and ten cents for each additional one hundred words, or fraction thereof; where the amount exceeds \$5, then only the actual cost in excess of that amount shall be charged.

(l) For certifying to copies of documents, records or maps, one dollar for each certificate.

(m) For blue-print copy of any drawing or map, ten cents per square foot.

(n) For such other work as may be required of his office, actual cost of the work.

SEC. 69. Any person feeling himself aggrieved by the action of the State Engineer, may appeal to the Board of Control for relief, which board may modify the decisions of the State Engineer, if it shall appear that he has abused the authority reposed in him by law. Such appeal shall be taken within thirty days from the date of such decision by the State Engineer, and shall be perfected when appellant shall have filed in the office of the board a copy of the order appealed from, together with a petition setting forth the appellant's reason for appealing, and said appeal shall be heard and determined upon such competent proof as shall be adduced by the appellant and such like proofs as shall be adduced by the State Engineer. The State Engineer shall not sit as a member of the board on such appeal.

Any person feeling himself aggrieved by any order or determination of the Board of Control in cases embracing such appeals from the State Engineer, may, within six months from the date of such action by the Board of Control, and notice thereof to the parties directly interested, take an appeal to the District Court in and for the county in which the greatest use of water is proposed to be made

under the application or permit, which action shall be begun and prosecuted in all respects like the ordinary civil actions in this State.

Any party feeling himself aggrieved by the decision of the court may have the same reviewed in any court having appellate jurisdiction of such decisions, by appeal or writ of error, in the manner provided by law.

SEC. 70. All applications for reservoir permits shall be subject to the provisions of Sections 53 to 68, both inclusive, except that an enumeration of any lands proposed to be irrigated under this Act shall not be required under the primary permit, but the party or parties proposing to apply to a beneficial use the water stored in any such reservoir shall file an application for permit to be known herein as the secondary permit, in compliance with the provisions of Sections 53 to 68, both inclusive, except that no notice of such application shall be published. Said application shall refer to said reservoir for a supply of water and shall show by documentary evidence that an agreement has been entered into with the owner of the reservoir for a permanent and sufficient interest in such reservoir, to impound enough water for the purpose set forth in said application.

When beneficial use has been completed and perfected under the secondary permit, and after the holder thereof shall have made proofs of the commencement and completion of his work, and of the application of water to beneficial use, as in the case of other permits, as provided in this Act, final certificate of appropriation shall issue as other certificates are issued, except that said certificate shall refer to both the works described in the secondary permit and the reservoir described in the primary permit.

SEC. 71. Whenever the owner, manager or lessee of a reservoir constructed under the provisions of this Act shall desire to use the bed of a stream or other watercourse for the purpose of carrying stored or impounded water from the reservoir to the consumer thereof, he shall, in writing, notify the Division Superintendent having jurisdiction of the district in which the stored or impounded water is to be used, giving the date when it is proposed to discharge water from said reservoir, its volume, and the names of all the persons and ditches entitled to its use, it shall then be the duty of the said Division Superintendent, or his assistant, to close the said ditches or head-gates, of all ditches from the stored or watercourse not entitled to the use of such stored water as will enable those having the right to secure the volume to which they are entitled. The Division Superintendent shall keep a true and distinct account of the time spent by him in the discharge of his duties, as defined in this section, and to present a certified statement thereof to the County Commissioners of the county wherein the expense is incurred. Said County Commissioners shall present a bill of one-half the expenses so incurred to the reservoir owner, manager or lessee, and if such owner, manager, or lessee shall neglect, for thirty days after the presentation of such bill of costs, to pay the same, the said costs shall be made a charge upon the said reservoir and shall be collected as delinquent taxes until payment of such bill of costs has been made.

SEC. 72. The Attorney-General and the District Attorney of

up to and including one hundred acres, and three cents for each acre in excess of one hundred acres up to and including one thousand acres, and two cents for each acre in excess of one thousand acres.

(d) For issuing and recording permit for power purposes, twenty-five cents for each theoretical horsepower to be developed up to and including one hundred horsepower, and fifteen cents for each horsepower in excess of one hundred horsepower, up to and including one thousand horsepower, and ten cents for each horsepower in excess of one thousand.

(e) For issuing and recording permit to store water, two cents for each acre-foot of water to be stored, up to and including one thousand acre-feet, and one cent for each acre-foot in excess of one thousand.

(f) For issuing and recording permit to appropriate water for any other purpose, \$5 for each second-foot of water applied for, or fraction thereof.

(g) For filing secondary permit under reservoir permit, \$5; for approving and recording secondary permits under reservoir permits, \$5.

(h) For filing proof of commencement of work, \$1.

(i) For filing proof of completion of work under any permit, \$1.

(j) For filing any protest, affidavit, or any other water-right instrument or paper, \$1.

(k) For making copy of any document recorded or filed in his office, one dollar for the first hundred words and ten cents for each additional one hundred words, or fraction thereof; where the amount exceeds \$5, then only the actual cost in excess of that amount shall be charged.

(l) For certifying to copies of documents, records or maps, one dollar for each certificate.

(m) For blue-print copy of any drawing or map, ten cents per square foot.

(n) For such other work as may be required of his office, actual cost of the work.

Sec. 69. Any person feeling himself aggrieved by the action of the State Engineer, may appeal to the Board of Control for relief, which board may modify the decisions of the State Engineer, if it shall appear that he has abused the authority reposed in him by law. Such appeal shall be taken within thirty days from the date of such decision by the State Engineer, and shall be perfected when appellant shall have filed in the office of the board a copy of the order appealed from, together with a petition setting forth the appellant's reason for appealing, and said appeal shall be heard and determined upon such competent proof as shall be adduced by the appellant and such like proofs as shall be adduced by the State Engineer. The State Engineer shall not sit as a member of the board on such appeal.

Any person feeling himself aggrieved by any order or determination of the Board of Control in cases embracing such appeals from the State Engineer, may, within six months from the date of such action by the Board of Control, and notice thereof to the parties directly interested, take an appeal to the District Court in and for the county in which the greatest use of water is proposed to be made

under the application or permit, which action shall be begun and prosecuted in all respects like the ordinary civil actions in this State.

Any party feeling himself aggrieved by the decision of the court may have the same reviewed in any court having appellate jurisdiction of such decisions, by appeal or writ of error, in the manner provided by law.

Sec. 70. All applications for reservoir permits shall be subject to the provisions of Sections 53 to 68, both inclusive, except that an enumeration of any lands proposed to be irrigated under this Act shall not be required under the primary permit, but the party or parties proposing to apply to a beneficial use the water stored in any such reservoir shall file an application for permit to be known herein as the secondary permit, in compliance with the provisions of Sections 53 to 68, both inclusive, except that no notice of such application shall be published. Said application shall refer to said reservoir for a supply of water and shall show by documentary evidence that an agreement has been entered into with the owner of the reservoir for a permanent and sufficient interest in such reservoir, to impound enough water for the purpose set forth in said application.

When beneficial use has been completed and perfected under the secondary permit, and after the holder thereof shall have made proofs of the commencement and completion of his work, and of the application of water to beneficial use, as in the case of other permits, as provided in this Act, final certificate of appropriation shall issue as other certificates are issued, except that said certificate shall refer to both the works described in the secondary permit and the reservoir described in the primary permit.

Sec. 71. Whenever the owner, manager or lessee of a reservoir constructed under the provisions of this Act shall desire to use the bed of a stream or other watercourse for the purpose of carrying stored or impounded water from the reservoir to the consumer thereof, he shall, in writing, notify the Division Superintendent having jurisdiction of the district in which the stored or impounded water is to be used, giving the date when it is proposed to discharge water from said reservoir, its volume, and the names of all the persons and ditches entitled to its use, it shall then be the duty of the said Division Superintendent, or his assistant, to close the said ditches or head-gates, of all ditches from the stored or watercourse not entitled to the use of such stored water as will enable those having the right to secure the volume to which they are entitled. The Division Superintendent shall keep a true and distinct account of the time spent by him in the discharge of his duties, as defined in this section, and to present a certified statement thereof to the County Commissioners of the county wherein the expense is incurred. Said County Commissioners shall present a bill of one-half the expenses so incurred to the reservoir owner, manager or lessee, and if such owner, manager, or lessee shall neglect, for thirty days after the presentation of such bill of costs, to pay the same, the said costs shall be made a charge upon the said reservoir and shall be collected as delinquent taxes until payment of such bill of costs has been made.

Sec. 72. The Attorney-General and the District Attorney of

the county in which legal questions arise, shall be the legal advisers of the State Engineer and of the Board of Control, and shall perform any and all legal duties necessary in connection with their work without any further compensation than their salaries as fixed by law.

SEC. 73. In all cases where ditches are owned by two or more persons, and one or more of such persons shall fail or neglect to do a proportionate share of the work necessary for the proper maintenance and operation of such ditch or ditches, or to construct suitable head-gates, or other devices at the point where water is diverted from the main ditch, such owner or owners desiring the performance of such work, may, after giving ten days' written notice to such other owner or owners who have failed to perform such proportionate share of the work necessary for the operation and maintenance of said ditch or ditches, perform such share of the work, and recover therefor from such person or persons in default the reasonable expense of such work.

SEC. 74. Upon the failure of any coowner to pay his proportionate share of such expense, as mentioned in the preceding section, within thirty days after receiving a statement of the same as performed by his coowner or owners, such person or persons so performing such labor may secure payment of said claim by filing an itemized and sworn statement thereof, setting forth the date of the performance and the nature of the labor so performed, with the County Clerk of the county wherein said ditch is situated, and when so filed it shall constitute a valid lien against the interest of such person or persons in default, which said lien may be established and enforced in the same manner as provided by law for the enforcement of mechanics' liens.

SEC. 75. The unauthorized use of water to which another person is entitled, or the wilful waste of water to the detriment of another, shall be a misdemeanor, and the possession or use of such water without legal right, shall be *prima facie* evidence of the guilt of the person using or diverting it.

SEC. 76. Whenever any appropriator of water has the lawful right of way for the storage, diversion, or carriage of water, it shall be unlawful to place or maintain any obstruction that shall interfere with the use of his works, or prevent convenient access thereto. Any violation of the provisions of this section shall be a misdemeanor.

SEC. 77. All violations of the provisions of this Act declared herein to be a misdemeanor, shall be punished by a fine not exceeding two hundred and fifty dollars (\$250), and not less than ten dollars (\$10), or by imprisonment in the county jail not exceeding six months, or by both such fine and imprisonment.

SEC. 78. Nothing in this Act contained shall impair the vested right of any person to the use of water, nor shall the right of any person to take and use water be impaired or affected by any of the provisions of this Act where appropriations have been initiated in accordance with the law prior to the approval of this Act. Any and all appropriations based upon applications and permits now on file in the State Engineer's office, shall be perfected in accordance with the laws in force at the time of their filing.

SEC. 79. Each Division Superintendent shall reside in the water district from which he is appointed, and when called away from his home in the conduct of his official business shall be entitled to actual traveling and living expenses, to be paid by the State Treasurer on warrants drawn by the State Controller on the certificate of the Secretary of the Board of Control, approved by the President thereof.

SEC. 80. All Acts and parts Acts in conflict with this Act are hereby repealed.

SEC. 81. The sum of fifty thousand dollars (\$50,000) is hereby appropriated to carry out the provisions of this Act.

SEC. 82. This Act shall take its effect from and after its passage and approval.

CONCLUSION

For more than forty years prior to the enactment of the Irrigation Code of 1903, water users in this State effected their appropriations under no regulations whatever or in attempted compliance with laws, the impracticability of which has been demonstrated by their short and useless existence as operative measures.

The appropriators of very early priority on any stream have, perhaps, a definite knowledge of the value and extent of their rights, but there are few others who possess more than a vague and indeterminate idea of the equity they possess in the intricately interrelated rights from their source of water supply apart from empirical data gained in a primitive method of apportionment in which every user helped himself as liberally as conditions would permit.

That distressful conditions must, as a matter of course, follow the uncontrolled use of water needs no argument at this time. The protests against the granting of applications for permits to make new appropriations give eloquent expression of the constant fear of fatal invasion of older rights by new appropriations, and until all rights from important streams are determined and defined, this department will continue to stand between the Scylla of injunction by downstream appropriators when permits to appropriate water above them are issued and the Charybdis of stagnated irrigation development should a policy of rejecting applications for new rights be adopted.

With an irrigation code, such as that suggested in this report, upon the statutes, I will look with extreme optimism on the agricultural future of Nevada. A speedy adjudication of water rights will serve not only to relieve acute situations on many of our streams where bitter litigation is now imminent, but it will give, as well, an impetus to new appropriations, which at this time cannot be initiated with any confident knowledge of their value.

I desire to express my appreciation of the cooperation extended me by the assistants in this department and especially of the services rendered by Mr. J. R. Van Nagell, Assistant Engineer, and Miss K. A. Collins, Clerk.

Acknowledgments are also due Hon. J. G. McCarthy, State Printer, and his assistant, Will U. Mackey, for the prompt and efficient manner in which they have executed the work required of them by this department.

Respectfully submitted,

EMMET D. BOYLE,

State Engineer.

APPENDIX

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 $\frac{1}{4}$ 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 1896. 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 $\frac{1}{2}$, Sec. 3; 96 acres in E part of W $\frac{1}{2}$, Sec. 3.

Nolan irrigated 47 acres in W $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 10; 63 acres in S $\frac{1}{2}$, Sec. 3; and 47 acres in E $\frac{1}{2}$ 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 $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 1, T. 12 N. R. 19 E, lying E of Rocky Slough, and all of the S $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 1, lying E of Island Slough.

Prior to 1866, above land was irrigated by means of dams in Rock 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 $\frac{1}{2}$, 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 $\frac{1}{2}$, 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 $\frac{1}{2}$ 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 1908.

Sec. 27, T. 13 N. R. 20 E: 14 acres in SW cor. 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 $\frac{1}{2}$ of E $\frac{1}{2}$ 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 $\frac{1}{2}$, 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 1896, 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 $\frac{1}{2}$ 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 1896.

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 $\frac{1}{2}$ of S $\frac{1}{2}$ Sec. 18 irrigated from Emigrant Ditch in 1867; 173 acres in N $\frac{1}{2}$ of S $\frac{1}{2}$ were irrigated in 1888; 76 acres in W $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ of NE $\frac{1}{4}$ were irrigated in 1895.

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 Nos. 1, 2 and 3, Cohn East Fork, Klauber N. Fork No. 2, Noteware, Home Ranch Nos. 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 $\frac{1}{2}$ of NW $\frac{1}{4}$ were irrigated from Lightle Ditch in 1860; 80 acres in S $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 1858-59.

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 $\frac{1}{2}$ E of slough irrigated in 1858-59.

Sec. 24, T. 13 N. R. 19 E: 123 acres in W $\frac{1}{2}$, 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 1858-59.

Sec. 14, T. 13 N. R. 19 E: 165 acres in S $\frac{1}{2}$ 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 $\frac{1}{2}$ 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
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 (begun 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 $\frac{1}{4}$ of SE $\frac{1}{4}$, 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 $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 33, and 30 acres in E $\frac{1}{2}$ 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 (begun 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 $\frac{1}{2}$ 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 1880.

Fritz Fricke, Gardnerville, Nevada, claims water through Fricke Ditch (constructed in spring, 1890) 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 Company 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.

Bernard 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. Haugner, 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 $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 8; 121 acres in SW $\frac{1}{4}$, Sec. 8, being all of said $\frac{1}{4}$ N of Hogrefe Slough; 78 acres in S $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 7; 37 acres in N $\frac{1}{2}$ of N $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 7, was irrigated in 1863. SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 8, and E $\frac{1}{2}$ 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 (begun in 1862 and completed in 1863) to irrigate 68 acres in E $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 5, and 50 acres in W $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$, 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 $\frac{1}{2}$, Sec. 23; 19 acres in N $\frac{1}{2}$, 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 (begun January, 1895, and completed May, 1895) 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 Carson 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 7, in 1864, and balance of N $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 1895.

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 (begun 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 $\frac{1}{2}$ 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.

Bertram 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 (begun 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. 8, T. 12 N., R. 20 E. 10 acres of above tract were irrigated by L. Thompson, in 1888, and balance of tract in 1889.

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 $\frac{1}{2}$ 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 71 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 $\frac{3}{4}$ mile and extended in March, 1874, about $\frac{1}{4}$ 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, 1861, 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 1850; 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, 1895, and completed to length of 293 rods. Extended $\frac{1}{2}$ miles 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 Lonis 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. Pettigrew, 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, 1899, and enlarged to present size in 1895) 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 Rohlf, 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 Roser 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 Sattelmeyer, 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 Sattelmeyer, Gardnerville, Nevada, claims water through Highflyer Ditch (commenced Nov., 1888, completed Feb., 1889) 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 Deidrich Bartels in 1889.

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 $\frac{1}{2}$ 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; 79 acres N and E of East Carson River, in N $\frac{1}{2}$ 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 (begun in fall, 1865, and completed April, 1866, and enlarged June, 1866) 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 (begun 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 (begun 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 $\frac{1}{2}$ 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 (begun 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 1898.

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 $\frac{1}{2}$ 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 Winkelman, 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 34, in spring, 1866. Balance of W $\frac{1}{2}$ 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 $\frac{1}{2}$ 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, California, 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ of 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 $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 19, T. 12 N, R. 20 E.

Part of this tract was irrigated by waste 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 $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 34; 50 acres in 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 1865, 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 1864) 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 Milich 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 Milich 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 $\frac{1}{4}$ 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 (commenced 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 Nos. 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: 89 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 1856) 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 33 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 1963 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 1859.

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 $\frac{1}{2}$ of NE $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 35; and 18 acres in SE cor. of N $\frac{1}{2}$ 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, were 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 $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 35, T. 13 N, R. 19 E. Waste water has been used since 1864.

Neddenreip & Heise, Frederickburg, California, and Gardnerville, Nevada, claim water through West Carson Ditch (constructed in 1863), to irrigate 304 acres in S $\frac{1}{2}$ of Sec. 31, T. 12 N, R. 20 E; 80 acres in E $\frac{1}{2}$ 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 (com-

structed in 1877) and Jones Company Ditch (constructed in 1862) to irrigate 416 acres in E $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 14; most of E $\frac{1}{2}$, 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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; E 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. 14; 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 $\frac{1}{2}$ of E $\frac{1}{2}$ 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 A. 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 $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 14, 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 27 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 $\frac{1}{2}$ 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 253 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 SE $\frac{1}{4}$, 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 $\frac{1}{2}$ of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 18; 5 acres in S $\frac{1}{2}$ 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 $\frac{1}{2}$ 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. 18, 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 $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 31; 78 acres in E $\frac{1}{2}$ 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, Nevada, 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 $\frac{1}{2}$ 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. Sattelmeyer, 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 Selze in 1860. Entire tract was under irrigation by Irwin in 1875.

H. W. Sattelmeyer, Sheridan, Nevada, claims water through Sattelmeyer and Dressler Ditch (constructed 1860 and extended 1865) and Heide 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. Sattelmeyer, 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 NE $\frac{1}{4}$, Sec. 32; and SW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 28, T. 12 N., R. 20 E.; and 72 acres in W $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 29, T. 12 N., R. 20 E.

M. Laveroni irrigated part of W $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 29, in 1870. All of tract in W $\frac{1}{2}$, NE $\frac{1}{4}$, Sec. 5, was irrigated by 1880, by means of dam. 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 $\frac{1}{2}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Sec. 14; and triangular strip in SW cor. of N $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 14, T. 12 N., R. 19 E.

Duncan irrigated part of tract in 1855 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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). Cross pond near Centerville, and waste water from Heize lands, to irrigate 23 acres in E $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 12, T. 12 N., R. 19 E.; 41 acres in E $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 23, 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 150 acres in SW $\frac{1}{4}$, Sec. 18, T. 12 N., R. 20 E. 100 acres in NW $\frac{1}{4}$, Sec. 18; 20 acres in E $\frac{1}{2}$ 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, are 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 1853 from slough, now Big Ditch. Entire tract was under irrigation by 1854. 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 150 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; 20 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. 13 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 1800; 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 1895; 10 acres in central part of 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 1908.

Peter Cassinelli, Dayton, Nevada, claims water through the Fish and Devencenzi Ditch (constructed in 1862, extended $\frac{1}{2}$ 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 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 1890 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 $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 35; 6 acres in SE cor. NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 35; 28 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; 0 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; 79 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 $\frac{1}{2}$ 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. Caseretti; 15 acres in E $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 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 $\frac{1}{2}$ 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; 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. 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 1905.

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. SW $\frac{1}{4}$ 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 Tacchilla; 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 of 1904 and the remainder will be in 1905.

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 $\frac{1}{2}$ 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 $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 18; 24 acres in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18; 65 acres in S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 18; 25 acres in E $\frac{1}{2}$ 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 $\frac{1}{2}$ 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; 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 $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 18; and 42 acres in N $\frac{1}{2}$ 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 $\frac{1}{4}$ SE $\frac{1}{4}$ 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 $\frac{1}{2}$ W $\frac{1}{2}$ 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; 26 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.

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 1898.

Patrick Venturi and Lorenzo Venturi, Dayton, Nevada, claim water through Berrett 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; 2 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 36; 13 acres in N $\frac{1}{2}$ S $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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. 1; 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31; 20 acres in N $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 1806) 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 2.7 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 2.7 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 NW $\frac{1}{4}$ 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 $\frac{1}{2}$ 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 1895; 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 $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 11 have been irrigated for pasture purposes since 1895.

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. Dickerhoof 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 Soroles & 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 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 1896 to 1899. Watered from 1899 to 1903. Will be cropped again in 1903.

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 1890. 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 1896. 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 $\frac{1}{4}$ 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 1890 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 $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 13; 40 acres in W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12; 75 acres in E $\frac{1}{2}$ Sec. 11; 70 acres in Sec. 2, all in T. 16 S, R. 67 E.

88 acres in E $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 13 and E $\frac{1}{2}$ 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 $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12 have been watered since 1880 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 1880 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 1880 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 1.6 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. McNeil. 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 B. Whitmore.

U. W. Perkins claims water through the Overton Canal to irrigate 22 $\frac{1}{2}$ acres in S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 19, T. 16 S. R. 68 E. 10 acres in S $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 1905 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 $\frac{1}{2}$ 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 1890.

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 11 $\frac{1}{4}$ 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 $\frac{1}{2}$ 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 H. 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 $\frac{1}{2}$ 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 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 $\frac{1}{2}$ of NW $\frac{1}{4}$ and N $\frac{1}{2}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ of NE $\frac{1}{4}$ Sec. 26, all in T. 14 S. R. 63 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 $\frac{1}{2}$ 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 to irrigate 305 acres in Secs. 11 and 14, T. 17 S. R. 68 E. This land was first irrigated by Chas. Ryers 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 $\frac{1}{2}$ 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 Bonnelli 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 $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 34 and N $\frac{1}{2}$ 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 IN NEVADA

Following are the findings as amended and corrected after hearing:

Mrs. M. Allum, Yerington, Nevada: 30 acres, priority 1896, .48 second-foot.
From Sweetman Ditch, East Fork, Walker River.
James Atcheson, sued as James Acheson: 80 acres, priority 1861, 1.28 second-foot; 160 acres, priority 1865, 2.56 second-foot; 240 acres, priority 1878, 3.84 second-foot.
All from Atcheson's ditches on Sweetwater Creek.
Wm. Becker, Yerington, Nevada: 40 acres, priority 1888, .64 second-foot; 80 acres, priority 1897, 1.28 second-foot.
All from Hall and Kneirim Ditches, East Fork.
R. S. Brooks, Yerington, Nevada: 65 acres, 1872, .78 second-foot; 135 acres, 1874, 1.8 second-foot.
All from Merritt Ditch, from Main Walker River.
Henry Boerlin, Fletcher, Nevada: 160 acres, 1887, 2.56 second-foot.
From Henry Boerlin's Ditches on East Fork.
Henry Baker, Yerington, Nevada: 91 acres, priority 1877, 1.46 second-foot; 39 acres, priority 1880, .62 second-foot.
Baker & Snyder Ditch, East Fork of the Walker River.
J. B. Gallagher, per Henry Brisson: 130 acres, priority 1877, 1.5 second-foot; 160 acres, priority 1896, 1.92 second-foot; 8 acres, priority 1904, .09 second-foot.
From Spragg, Alcorn & Buley Ditch, Main Walker.
J. O. Birmingham, Yerington, Nevada: 110 acres, 1869, 1.32 second-foot; 100 acres, 1874, 1.92 second-foot; 80 acres, 1878, .96 second-foot; 120 acres, 1900, 1.44 second-foot.
All from the McLeod Ditch, from the Main Walker River.
D. J. Butler: 40 acres, 1890, .64 second-foot.
From Jasper Daniels Ditch, East Fork.
Mrs. Agnes Compton, successor to James Compton, Sweetwater, Nevada: 250 acres, 1861, 4.00 second-foot.
From James Compton Ditch, Sweetwater Creek.
E. S. Cross, Yerington, Nevada: 32 acres, 1894, .51 second-foot; 43 acres, 1900, .69 second-foot.
From Wilson Tunnel Ditch from West Walker.
P. J. Conway, Sweetwater, Nevada: 120 acres, 1860, 1.92 second-foot; 100 acres, 1870, 1.6 second-foot; 100 acres, 1880, 1.6 second-foot; 120 acres, 1890, 1.96 second-foot, Conway Ditches, East Fork; 80 acres, 1861, 1.28 second-foot, Conway Ditches, Sweetwater Ditch.
Battista Cremetti, Yerington, Nevada, successor to W. H. Metscher: 60 acres, 1870, .96 second-foot; 40 acres, 1875, .64 second-foot; 30 acres, 1895, .48 second-foot; 15 acres, 1904, .24 second-foot.
Baker and Snyder Ditch, East Fork.
Henry, John and Thomas Carney, Smith, Nevada: 15 acres, 1897, .24 second-foot.
Rivers Simpson Ditch, West Fork.
I. Cohn, successor to Joseph Nudelman, Wellington, Nevada; 600 acres, 1877, 9.60 second-foot.
McTarnahan Ditch and Pierce Erwin to West Fork.
A Charlebois, sued as C. Charlebois, Yerington, Nevada: 40 acres, 1879, .64 second-foot, 200 acres, 1885, 3.20 second-foot; 50 acres, 1890, .80 second-foot; 60 acres, 1895, .96 second-foot.
Charlebois Ditches, East Fork.
Margaret A. Dickinson: 80 acres, 1884, 1.28 second-foot; 36 acres, 1890, .57 second-foot.
Harry Feakins Ditch, West Fork.
Ulisse and Modesto Delmonico, successors to S. E. Burbank, Yerington, Nevada: 246 acres, 1871, 2.94 second-foot; 214 acres, 1875, 2.57 second-foot.
From Nichol Ditch on Main Walker.

Harriet Estes, Yerington, Nevada: 8 acres, in 1895, .13 second-foot; 12 acres, 1905, .19 second-foot.

From Sweetman Ditch, East Fork.

G. F. Feigenapan, sued as F. Feigenspan, Yerington, Nevada: 140 acres, 1872, 1.68 second-foot; 70 acres, 1880, .84 second-foot; 25 acres, 1904, .30 second-foot.

Merritt Ditch, Main Walker.

Dora E. Fulstone and John F. Fredericks, successors to William Fulstone, Sweetwater, Nevada: 130 acres, 1862, 2.08 second-foot; 100 acres, 1865, 1.6 second-foot; 100 acres, 1870, 1.6 second-foot; 100 acres, 1875, 1.6 second-foot; 100 acres, 1880, 1.6 second-foot; 100 acres, 1885, 1.6 second-foot.

Fulstone & Fredericks Ditches, East Fork.

M. Fallon: 250 acres, 1860, 4.00 second-foot; 330 acres, 1864, 5.30 second-foot.

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-foot; 260 acres, 1865, pasture 4.16 second-foot; 40 acres, 1875, pasture .64 second-foot; 20 acres, 1900, pasture .32 second-foot.

Smith Ditch, West Fork Walker River.

A. W. Gander, Wellington, Nevada: 80 acres, 1878, 1.28 second-foot.

McTarnahan Ditch, West Fork.

J. B. Gallagher, per J. C. Farral: 90 acres, 1873, 1.08 second-foot; 50 acres, 1880, .60 second-foot; 50 acres, 1880, .60 second-foot.

Spragg, Alcorn & Buley Ditch, Main Walker River.

A. W. Green, Yerington, Nevada: 20 acres, 1899, .32 second-foot.

Baker & Snyder Ditch, East Walker.

M. J. Green, Yerington, Nevada: 15 acres, 1890, .24 second-foot.

Baker & Snyder Ditch, East Walker River.

Geo. A. Green, Fletcher, Nevada: 360 acres, 1860, 5.76 second-foot; 400 acres, 1874, 6.40 second-foot.

The Green Ditches from Bodie and Rough Creek.

S. W. Gregory, Wabuska, Nevada, successor to H. F. Swasey: 250 acres, 1873, 3.00 second-foot.

Gold Hill Ditch, Main Walker.

Pat Gallagher, Yerington, Nevada: 70 acres, 1869, .84 second-foot, Campbell Ditch: 313 acres, 1870, 3.76 second-foot; 20 acres, 1880, .24 second-foot; 15 acres, 1893, .18 second-foot; 5 acres, 1897, .06 second-foot; 25 acres, 1904, .30 second-foot.

Campbell and Spragg, Buley and Alcorn Ditches, Main Walker, one-half from each ditch.

Lamira Glann, successor to Jessie Glann, sued as Jesse Glenn: 9 acres, 1867, .14 second-foot; 31 acres, 1875, .50 second-foot; 10 acres, 1895, .16 second-foot.

Glann Ditch.

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

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

J. F. and C. F. Holland: 250 acres, 1868, 3.00 second-foot; 130 acres, 1873, 1.96 second-foot.

Nichol Ditch, Main Walker.

Mrs. Adeline Hilbun: 10 acres, 1873, .12 second-foot; 10 acres, 1902, .12 second-foot.

Hilbun Ditch, main stream.

Mary Hoyer, sued as Mary Hoy: 10 acres, 1863, 0.16 second-foot; 66 acres, 1882, 1.05 second-foot.

Wellington Ditch, West Fork.

Thomas Hall: 58 acres, 1892, .93 second-foot; 25 acres, 1901, .4 second-foot.

Jasper Daniels Ditch, East Fork.

Chas. B. Johnston, sued as Chas. Johnston: 33 acres, 1874, .40 second-foot; 42 acres, 1897, .50 second-foot.

Nichol Ditch, Main Walker.

J. B. Gallagher, per James Johnston: 33 acres, 1871, .40 second-foot; 70 acres, 1875, .84 second-foot; 80 acres, 1890, .96 second-foot.

Merritt Ditch, Main Walker.

J. G. Kaufman, successor to Jasper Daniels: 50 acres, 1871, .80 second-foot; 80 acres, 1883, 1.28 second-foot.

Jasper Daniels Ditch, East Fork.

Hattie F. Kimmel: 30 acres, 1868, .48 second-foot; 90 acres, 1903, 1.44 second-foot.

Jasper Daniels Ditch, East Walker.

Lyman B. Logan: 140 acres, 1869, 2.24 second-foot; 20 acres, 1905, .32 second-foot.

Jasper Daniels Ditch, East Walker.
Lyon County, for the 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. Gruli: 67 acres, 1895, 1.07 second-feet.
Gruli Ditches, East Walker.
J. C. Mills: 80 acres, 1872, .96 second-feet; 75 acres, 1877, .90 second-feet.
Merritt Ditch, main stream.
J. B. Gallagher, per Mrs. L. Meadows: 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 Man: 22 acres, 1904, .26 second-feet.
Spragg, Alcorn and Buley 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 Stock Company, successor to James Nichol: 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 and Joseph Nudelman, Wellington, Nevada: 15 acres, 1862, .19 second-feet; 970 acres, 1883, 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.
Spragg, Alcorn & Buley, Main Walker.
Geo. H. 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. Peatrous and Allen 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; 320 acres, 1892, 3.54 second-feet; 130 acres, 1897, 1.56 second-feet.
Spragg, Alcorn and Buley Ditch, Main Walker.
Pacific Livestock Company, under Campbell Ditch:
80 acres, 1868, .96 second-feet. 230 acres, 1887, 2.76 second-feet. Campbell Ranch.
50 acres, 1878, .60 second-feet, 110 acres, 1891, 1.32 second-feet. Cummings Ranch.
40 acres, 1878, .48 second-feet, 60 acres, 1891, .72 second-feet. Knapp Ranch.
100 acres, 1863, 1.20 second-feet. 25 acres, 1865, .30 second-feet. 200 acres, 1883, 2.40 second-feet. 400 acres, 1891, 4.80 second-feet. McLeod Ditch.
145 acres, 1865, 1.74 second-feet. 640 acres, 1870, 7.68 second-feet. 300 acres, 1875, 3.60 second-feet. 510 acres, 1878, 6.12 second-feet. 660 acres, 1885, 7.92 second-feet. 1,410 acres, 1890, 16.92 second-feet. 200 acres, 1900, 2.40 second-feet. Spragg, Buley & Alcorn Ditch.
500 acres, 1861, 6.00 second-feet. 200 acres, 1864, 2.40 second-feet. 610 acres, 1874, 7.32 second-feet. 440 acres, 1878, 5.28 second-feet. 700 acres, 1883, 8.40 second-feet. 1,000 acres, 1888, 12.00 second-feet. 2,000 acres, 1893, 24.00 second-feet. 1890 acres, 1900, 22.68 second-feet. Joggles Ditch.
100 acres, 1878, 1.20 second-feet. 100 acres, 1883, 1.20 second-feet. 100 acres, 1888, 1.20 second-feet. 20 acres, 1891, 0.24 second-feet. Gold Hill Ditch.
120 acres, 1869, 1.44 second-feet. 70 acres, 1875, 0.84 second-feet. 380 acres, 1881, 4.56 second-feet. 220 acres, 1885, 2.64 second-feet. 220 acres, 1890, 2.64 second-feet. 310 acres, 1895, 3.72 second-feet. Merritt Ditch.

480 acres, 1864, 5.76 second-feet. 50 acres, 1870, 0.60 second-feet. 80 acres, 1875, 0.96 second-feet. 100 acres, 1880, 1.20 second-feet. 100 acres, 1885, 1.20 second-feet. 100 acres, 1890, 1.20 second-feet. 100 acres, 1895, 1.20 second-feet. Lane & Johnson Ditch.
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. Peterson, 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, sued as Nelson Polli, successor to J. Justi: 100 acres, 1881, 1.6 second-feet; 40 acres, 1893, .64 second-feet.
Poli's Ditch, on East Fork.
Chas. C. 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, 1893, .18 second-feet; 20 acres, 1900, .24 second-feet; 20 acres, 1906, .24 second-feet.
Spragg, Buley & Alcorn Ditch, Main Walker.
J. A. Rogers: 5 acres, 1861, .08 second-feet; 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, sued as Z. Rabinell: 50 acres, 1885, .80 second-feet.
Ravenelle Ditch, East Fork.
W. H. Roach, sued as W. R. 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.
Frank P. Shirley, successor in interest to Mary Boland Shaw, sued as Mary T. Shaw: 105 acres, 1898, 1.26 second-feet; 155 acres, 1900, 1.86 second-feet.
Nichol Ditch, main stream.
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.
John W. and Frank Simpson, successor to The Simpson Co.: 20 acres, 1860, 0.34 second-feet. 354 acres, 1862, 5.66 second-feet. 204 acres, 1870, 3.26 second-feet. 63 acres, 1875, 1.04 second-feet. 530 acres, 1885, 8.48 second-feet. Desert Creek.
1,693 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.
Elizabeth A. Simpson, Wellington: 150 acres, 1866, 2.54 second-feet; 243 acres, 1878, 3.88 second-feet; 10 acres, 1890, 0.16 second-feet.
Mitchell & Fuller, West Fork.
Sarah E. Strosnider, sued as Sarah Strosnider: 160 acres, 1879, 2.56 second-feet; 150 acres, 185, 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, 1860, 2.56 second-feet.
Jasper Daniels Ditch, 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, .8 second-feet.
Wilson Tunnel Ditch, East Fork.
H. W. Schacht, sued as Wm. Schacht: 80 acres, 1888, 1.28 second-feet.
Baker & Snyder Ditch.
C. C. Turner: 32 acres, 1884, 0.50 second-feet.
Wellington Ditch, West Fork.
Antone Tamagni, successor to DeWitt Crowinshield, 40 acres, 1873, 0.48 second-feet, 70 acres, 1878, 0.84 second-feet.

Nichol Ditch, main stream.
 J. B. Gallagher, per Alex Vein: 35 acres, 1873, .40 second-foot; 15 acres, 1879, .18 second-foot; 40 acres, 1885, .48 second-foot; 62 acres, 1905, .74 second-foot.
 Spragg, Alcorn & Buley Ditch, Main Walker.
 G. W., J. I. and David Wilson & J. W. Wilson, sued as Wm. J. Wilson:
 160 acres, 1861, 1.60 second-foot, 60 acres, 1864, .96 second-foot, Wheeler Ditch.
 60 acres, 1862, .96 second-foot, River Ditch.
 60 acres, 1863, .96 second-foot, 80 acres, 1869, 1.28 second-foot, 130 acres, 1877, 2.08 second-foot, 130 acres, 1890, 2.08 second-foot, Wilson Ditch.
 20 acres, 1868, .32 second-foot, 575 acres, 1872, 9.20 second-foot, Lee & Sanders Ditch.
 40 acres, 1868, 7.04 second-foot, Kelly-Alkali Ditch.
 30 acres, 1875, .48 second-foot, 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-foot; 412 acres, 1879, 4.94 second-foot; 17 acres, 1885, .20 second-foot.
 Merritt Ditch, Main Walker.
 J. B. Gallagher, per Fred Welling: 80 acres, 1885, .96 second-foot.
 Spragg, Alcorn & Buley Ditch, Main Walker.
 J. B. Gallagher, per Mrs. Anne Warren: 90 acres, 1890, 1.08 second-foot; 80 acres, 1898, .96 second-foot; 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-foot; 295.8 acres, 1872, 3.55 second-foot; 512.8 acres, 1875, 6.15 second-foot; 625.2 acres, 1883, 7.50 second-foot; 85.8 acres, 1886, 1.03 second-foot.
 Geo. W. Webster: 100 acres, 1862, 1.60 second foot; 110 acres, 1877, 1.76 second-foot; 75 acres, 1887, 1.20 second-foot; 40 acres, 1900, 0.64 second-foot; 45 acres, 1906, 0.72 second-foot.
 Wheeler Ditches, Nos. 1 and 2, and Webster Bros. Ditch, East Fork.
 Hamilton Wise, sued as Curtis Wise: 70 acres, 1883, 1.12 second feet; 70 acres, 1891, 1.12 second-foot.
 Baker Ditch, East Fork.
 J. B. Gallagher, per Fred Wade: 40 acres, 1905, 0.48 second-foot.
 Spragg, Alcorn & Buley Ditch, Main Walker.
 W. R. Penrose, per John G. Young: 40 acres, 1881, 0.48 second-foot.
 Gold Hill Ditch, Main Walker.
 Leon and Frank Yparraguirre, successors to Geo. Atcheson: 320 acres, 1861, 5.12 second-foot; 160 acres, 1865, 2.56 second foot; 80 acres, 1870, 1.30 second-foot; 320 acres, 1880, 5.12 second-foot; 320 acres, 1885, 5.12 second-foot.
 Sweetwater Ditches on Sweetwater Creek.
 Mickey Ditch Co.: 282 acres, 1865, 4.58 second-foot; 521 acres, 1870, 6.25 second-foot; 443 acres, 1875, 5.31 second foot; 70 acres, 1880, .84 second foot; 103 acres, 1885, 1.24 second-foot; 135 acres, 1895, 1.62 second-foot; 25 acres, 1900, 30 second-foot.
 By the following-named persons: Mrs. E. B. Osborne, David W. Melarkey, F. F. Lucas, C. E. Osburn, T. F. Fitzpatrick, Homer Lancaster, Lydia E. Lancaster, James Lancaster, Joe Scirine, successor to J. M. Houston; J. C. Gallagher, S. E. Burbank, M. Bovard.
 Greenwood Ditch Company: 577 acres, 1865, 6.92 second-foot; 150 acres, 1870, 1.80 second-foot; 575 acres, 1875, 6.90 second-foot; 727 acres, 1880, 8.72 second-foot; 231 acres, 1885, 2.77 second-foot; 200 acres, 1890, 2.40 second-foot; 197 acres, 1895, 2.36 second-foot; 7 acres, 1905, .08 second-foot.
 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, Jose C. Matthews, F. J. Matthews, J. B. Gallagher, H. M. and W. A. Pursel, H. C. Keema, G. B. Waido, 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-foot; 807 acres, 1870, 9.68 second-foot; 667 acres, 1875, 8.00 second-foot; 323 acres, 1880, 3.87 second foot; 160 acres, 1885, 1.92 second-foot; 70 acres, 1890, 0.84 second-foot; 85 acres, 1895, 1.02 second-foot.
 By the following-named persons: David Paquint, F. W. Downey, Henry Hansen, Sam F. White, R. C. Scheel, B. H. Reymers, Antone Scosaa, successor to Lemuel Jones; John B. Gallagher, James West, Hugh Brady, E. Hernalben, successor to James Walters; Mrs. Ada Freeman, C. Hernalben, 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-foot; 388 acres, 1880, 4.65 second-foot; 175 acres, 1885, 2.10 second-foot.
 By the following-named persons: Geo. W. Kneirim, successor to Geo. I. 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-foot; 31 acres, 1869, 0.37 second-foot; 450 acres, 1878, 5.40 second-foot; 160 acres, 1885, 1.92 second-foot; 47 acres, 1892, 0.56 second-foot; 295 acres, 1897, 3.54 second-foot.
 By the following-named persons: Joseph P. Lynch and Sophia E. Lynch (his wife), John McVicar (sued as John McVicker), F. B. (sued as Frank), J. S. (sued as Jay Mann) and May Mann, H. M. Schooley and Margaret Schooley (his wife), C. C. and Carrie L. Tidd, G. S. Simpson, Plymouth Company, successors to J. W. O'Banion, J. W. Carter, successor to Fred Mc. H. Burner, L. R. Ames, successor to Chas. McCarter.

	Name	Acres	Second-foot
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
	Pacific Livestock Company	500	6.00
1862	David G. W., J. I. and J. W. Wilson	100	1.60
	Leon and Frank Yparraguirre	320	5.12
	J. A. Rogers	5	.08
	Dora E. Fulstone & John F. Fredericks	130	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	80	.96
	George W. Webster	100	1.60
1863	H. B. Gage and wife	120	1.96
	Mary Hoye	10	.18
	Angus McLeod	355	4.26
	J. W. O'Banion	970	11.68
	Pacific Livestock Company	100	1.20
	H. C. Peterson	220	3.52
	J. A. Rogers	95	1.50
	I. A. Stroanider	80	1.28
	David G. W., J. I. and J. W. Wilson	60	.96
	Spragg & Woodcock Ditch Company	65	.78
1864	M. Fallon	330	5.30
	I. D. Morris	15	.24
	Pacific Livestock Company	680	8.16
	David G. W., J. I. and J. W. Wilson	60	.96
	West Walker River Ditch Company	970	11.64
	Greenwood Ditch Company	577	6.92
	James Atcheson	160	2.56
	Fox Ditch Company	885	10.62
	Dora E. Fulstone & John F. Fredericks	100	1.60
	H. B. Gage and wife	280	4.16
1865	J. E. Gignoux	100	1.60
	Pacific Livestock Company	170	2.04
	Charles Snyder	160	1.92
	Leon and Frank Yparraguirre	160	2.56
	Mickey Ditch Company	382	4.58
	Elizabeth A. Simpson	159	2.54
	Lamira Glann	9	.14
	J. B. Gallagher	122	1.48
	J. F. and C. F. Holland	250	3.00
	C. F. Meisner	60	.72
1866	Nichol Land and Stock Company	366	4.40
	J. W. O'Banion	190	2.08
	Pacific Livestock Company	80	.96
	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
	Pacific Livestock Company	120	1.44
	Charles Snyder	400	4.80
1869	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

REPORT OF STATE ENGINEER

Name	Acres	Second-feet
Greenwood Ditch Company.....	150	1.80
Battista Cremetti.....	60	.96
Fox Ditch Company.....	807	9.68
Dora E. Fulstone & John F. Fredericks.....	100	1.60
Spragg & Woodcock Ditch Company.....	555	6.66
Pat Gallagher.....	313	3.76
J. B. Gallagher.....	222	2.66
I. D. Morris.....	40	.64
Angus McLeod.....	165	1.98
Pacific Livestock Company.....	690	8.28
J. A. Rogers.....	150	2.40
W. H. Roach.....	75	1.20
John W. and Frank W. Simpson.....	204	3.26
Chas. Snyder.....	240	2.88
Leon and Frank Yparraguire.....	80	1.30
1871. Ulisse and Modesto Delmonico.....	246	2.94
James Johnston (J. B. G.).....	33	.40
J. G. Kaufman.....	50	.80
1872. R. S. Brooks.....	65	.78
C. 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
U. S. Gov. for Walker River Indian Reservation.....	295.80	3.55
1873. Antone Tamagni.....	40	.48
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 Hilbun.....	10	.12
Perazzo Bros. (J. B. G.).....	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
Pacific Livestock Company.....	610	7.32
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
Ulisse and Modesto Delmonico.....	214	2.57
Fox Ditch Company.....	667	8.00
Dora E. Fulstone & John F. Fredericks.....	100	1.60
H. B. Gage and wife.....	40	.64
Lamira Glann.....	31	.50
James Johnston (J. B. G.).....	70	.84
Pacific Livestock Company.....	450	5.40
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
U. S. Gov., 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 H. 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. Antone Tamagni.....	70	.84
James Atcheson.....	240	3.84
J. C. Birmingham.....	80	.96
A. W. Gander.....	80	1.28
Nichol Land and Stock Company.....	179	2.15

REPORT OF STATE ENGINEER

Name	Acres	Second-feet
J. W. O'Banion.....	255	4.08
Pacific Livestock Company.....	1,140	13.68
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
Sarah E. 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
P. J. Conway.....	100	1.60
Greenwood Ditch Company.....	727	8.72
G. F. Feigenspan.....	70	.94
Fox Ditch Company.....	323	3.87
Dora E. Fulstone & John F. 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. L. Meadows (J. B. G.).....	30	.36
W. H. Morgan.....	16	.26
Mrs. Ellen Melarkey.....	40	.64
Pacific Livestock Company.....	100	1.20
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
Leon and Frank Yparraguire.....	320	5.12
J. B. Gallagher.....	55	.66
1881. Pacific Livestock Company.....	380	4.56
Nalsen Poli.....	100	1.60
John G. Young, per W. R. Penrose.....	40	.48
1882. Mary Hove.....	66	1.05
Perazzo Bros. (J. B. G.).....	240	2.88
G. S. Simpson.....	130	2.08
1883. J. G. Kaufman.....	80	1.28
George H. Plummer.....	128	2.05
Pacific Livestock Company.....	1,000	12.00
W. F. and G. M. Reading.....	71	1.13
F. O. Stickney.....	45	.72
U. S. Gov., 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.....	105	1.24
A. Charlebois.....	200	3.20
Greenwood Ditch Company.....	231	2.77
Dora E. Fulstone & John F. Fredericks.....	100	1.60
Fox Ditch Company.....	160	1.92
Lyon County, for the Poor Farm.....	95	1.14
Mrs. Ellen Melarkey.....	40	.64
T. G. Nichol.....	17	.20
Spragg & Woodcock Ditch Company.....	175	2.10
Perazzo Bros. (J. B. G.).....	120	1.44
West Walker River Ditch Company.....	160	1.92
Pacific Livestock Company.....	990	11.76
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
Leon and Frank Yparraguire.....	320	5.12
1886. Walker River Indian Reservation.....	85.80	1.03
1887. Henry Boerlin.....	160	2.56

	Name	Acres	Second-feet
	Pacific Livestock Company	230	2.76
	W. M. Rollins (J. B. G.)	65	.78
	I. A. Stroenider	15	.24
	T. C. Sharp	40	.64
	Geo. W. Webster	75	1.20
1888	Wm. Becker	40	.64
	Pacific Livestock Company	1,100	13.20
	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
	D. J. Butler	40	.64
	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
	J. E. Gignoux	150	2.40
	Pacific Livestock Company	1,730	20.76
	Simpson Bros.	1,693	20.31
	Mrs. E. A. Simpson	10	.16
	David, G. W., J. I. and J. W. Wilson	130	2.08
1891	Pacific Livestock Company	590	7.08
	W. R. Penrose	320	3.84
	Hamilton Wise	70	1.12
1892	Thomas Hall	58	.68
	Perazzo Bros. (J. B. G.)	320	3.84
	O. A. Perry	90	1.08
	West Walker River Ditch Company	47	.56
1893	Pat Gallagher	15	.18
	Pacific Livestock Company	2,000	24.00
	Nelson Poli	40	.64
1894	E. S. Cross	32	.51
	H. S. Morgan	92	1.46
	George H. Plummer	300	4.80
	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. Matthews	67	1.07
	W. H. Morgan	6	.10
	T. G. Nichol	14	.17
	Pacific Livestock Company	410	4.92
	Morris Pursel	80	1.28
	W. M. Rollins (J. B. G.)	15	.18
	Frank W. and John W. Simpson	468	5.61
1896	Mrs. M. Allum	30	.48
	Henry Brisson (J. B. G.)	160	1.92
1897	Wm. Becker	80	1.28
	Henry, John and Thomas Carney	15	.24
	Pat Gallagher	5	.06
	Chas. B. Johnston	42	.50
	Perazzo Bros. (J. B. G.)	130	1.56
	I. A. Stroenider	170	2.72
	West Walker River Ditch Company	295	3.54
1898	Hattie F. Krezmel	30	.48
	Frank P. Shirley	105	1.26
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. Robison	15	.24
	F. O. Stickney	10	.16
1900	Frank P. Shirley	155	1.86
	Mickey Ditch Company	25	.30
	J. O. Birmingham	120	1.44
	E. S. Cross	43	.69
	H. B. Gage and wife	20	.32
	Lyon County, for the Poor Farm	5	.06
	Pacific Livestock Company	2,090	25.08

	Name	Acres	Second-feet
	Morris Pursel	43	.69
	W. M. Rollins (J. B. G.)	20	.24
	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	25	.40
	Mrs. L. Meadows (J. B. G.)	15	.18
1902	Mrs. Adeline Hilbun	10	.12
	T. M. McGowan	105	1.68
	Nichol Land and Stock Company	9	.11
1903	Hattie F. Krezmel	90	1.44
	David, G. W., J. I. and J. W. Wilson	30	.48
1904	Henry Brisson (J. B. G.)	8	.09
	Battista Cremetti	15	.24
	G. F. Feigenspan	25	.30
	Pat Gallagher	22	.30
	Philip 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
	John W. and Frank W. Simpson	200	2.40
	Alex Vein (J. B. G.)	28	.74
	Fred Wade (J. B. G.)	40	.48
1906	W. M. Rollins (J. B. G.)	20	.24
	George W. Webster	45	.72
1907	T. M. McGowan	20	.32

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